INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

WEST LOS ANGELES DISTRICT YARD PROJECT

LOS ANGELES DEPARTMENT OF WATER AND POWER

Environmental Services

111 North Hope Street, Room 1044

Los Angeles, California 90012

With Assistance From

DUDEK

38 North Marengo Avenue

Pasadena, California 91101

JUNE 2020

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ACRONYMS AND ABBREVIATIONS

Acronym/ Abbreviation	Definition
AB	Assembly Bill
ACOE	Army Corps of Engineers
ALUC	Airport Land Use Commission
APN	Assessor's Parcel Number
AQMP	Air Quality Management Plan
BGS	below the ground surface
CAP	Climate Action Plan
CARB	California Air Resources Board
CDFG	California Department of Fish and Game
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CNDDB	California Natural Diversity Data Base
CNPS	California Native Plant Society
CO	carbon monoxide
CO2E	carbon dioxide equivalent
CR	California rare
CRPR	California Rare Plant Rank
CWA	Clean Water Act
EIR	Environmental Impact Report
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Map
FT	federally threatened
GHG	greenhouse gas
IS	Initial Study
LACM	Natural History Museum of Los Angeles County
LADWP	Los Angeles Department of Water and Power
MG	million-gallon
MT	metric tons
NO2	nitrogen dioxide
O3	ozone
OHWM	ordinary high water mark
PM10	particulate matter with a diameter less than or equal to 10 microns (coarse particulate matter)
PM2.5	particulate matter with a diameter less than or equal to 2.5 microns (fine particulate matter)
RWQCB	Regional Water Quality Control Board
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District

Acronym/ Abbreviation	Definition
SO2	sulfur dioxide
SR-	state route
SSC	state species of special concern
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
WL	Watch List

1 INTRODUCTION

1.1 Project Overview

The West Los Angeles District Yard Project (proposed project) is a facility improvement project proposed by the Los Angeles Department of Water and Power (LADWP). The project would demolish six structures on the project site, including the West Los Angeles Distribution Headquarters (i.e., district office), warehouse, break room, locker room, fleet shop, and surface parking. One new building, totaling approximately 92,000 square feet, would be constructed in place of the demolished buildings, which would include a warehouse, administration office, electric trouble office, service planning office, and fleet shop. The new building would consolidate all of the functions of the demolished buildings as well as house the relocated Service Planning group at the project site. A two level above-ground parking structure with a total of 154 parking stalls would be constructed adjacent to the new building and would be connected by a horizontal assembly. Beneath the proposed new building, a single-level underground parking structure with a total of 389 parking stalls would also be constructed. An additional 12 public parking spaces would be provided at grade for the Service Planning group, outside of the security gate. Additionally, the gantry crane located within the existing yard would be relocated toward the southeast section of the District Yard closer to the driveway, to allow access to Olympic Boulevard. The existing unleaded and diesel fuel tanks at the on-site fueling station, which is also located along the access driveway that connects the project site to Olympic Boulevard, would remain aboveground. All fleet vehicle parking, which totals 154 oversized parking spaces, would be located in the above-ground parking structure.

1.2 California Environmental Quality Act

The California Environmental Quality Act (CEQA) applies to proposed projects initiated by, funded by, or requiring discretionary approvals from state or local government agencies. The proposed project constitutes a project as defined by CEQA (California Public Resources Code, Section 21065). LADWP, as a municipal utility, would implement and operate the proposed project and will therefore act as the CEQA lead agency.

An Initial Study (IS) has been prepared by LADWP as the lead agency in accordance with CEQA guidelines to determine if the proposed project could have the potential to cause significant adverse environmental impacts and to determine whether an Environmental Impact Report (EIR) or a Negative Declaration or Mitigated Negative Declaration (MND) should be prepared for the Proposed Project. An MND is prepared for a project when an Initial Study has identified potentially significant effects on the environment, but (1) revisions in the project plans or proposals made by, or agreed to by, the applicant before the proposed Negative Declaration and Initial Study are released for public review would avoid the effects or mitigate the effects to a point where clearly no significant effect on the environment would occur, and (2) there is no substantial evidence in light of the whole record before the public agency that the project, as revised, may have a significant effect on the environment.

The Initial Study determined that the implementation of the proposed project could cause some potentially significant impacts on the environment, but as shown in the environmental analysis contained in this MND, all of the project's potentially significant impacts would be reduced to less than significant levels through the implementation of mitigation measures. Consequently, the analysis contained herein concludes that an MND shall be prepared for the proposed project. The MND is composed of four sections. Section 1 provides the introduction to the proposed project, general information about the contents of the MND and information about the Lead Agency. Section 2 provides a description of the proposed project components and information about their construction and operation. Section 3 includes the CEQA Initial Study checklist, which provides the assessment of potential environmental impacts and the applicability of mitigation measures to reduce potentially significant impacts to less than significant. Section 4 provides a list of the Lead Agency staff and consultants involved in preparing the environmental review documents for the proposed project. The MND also includes several appendices that contain technical resource reports related to air quality and greenhouse gas (GHG) emissions, cultural resources, geology and soils, paleontology, hazards and hazardous materials, noise, and traffic.

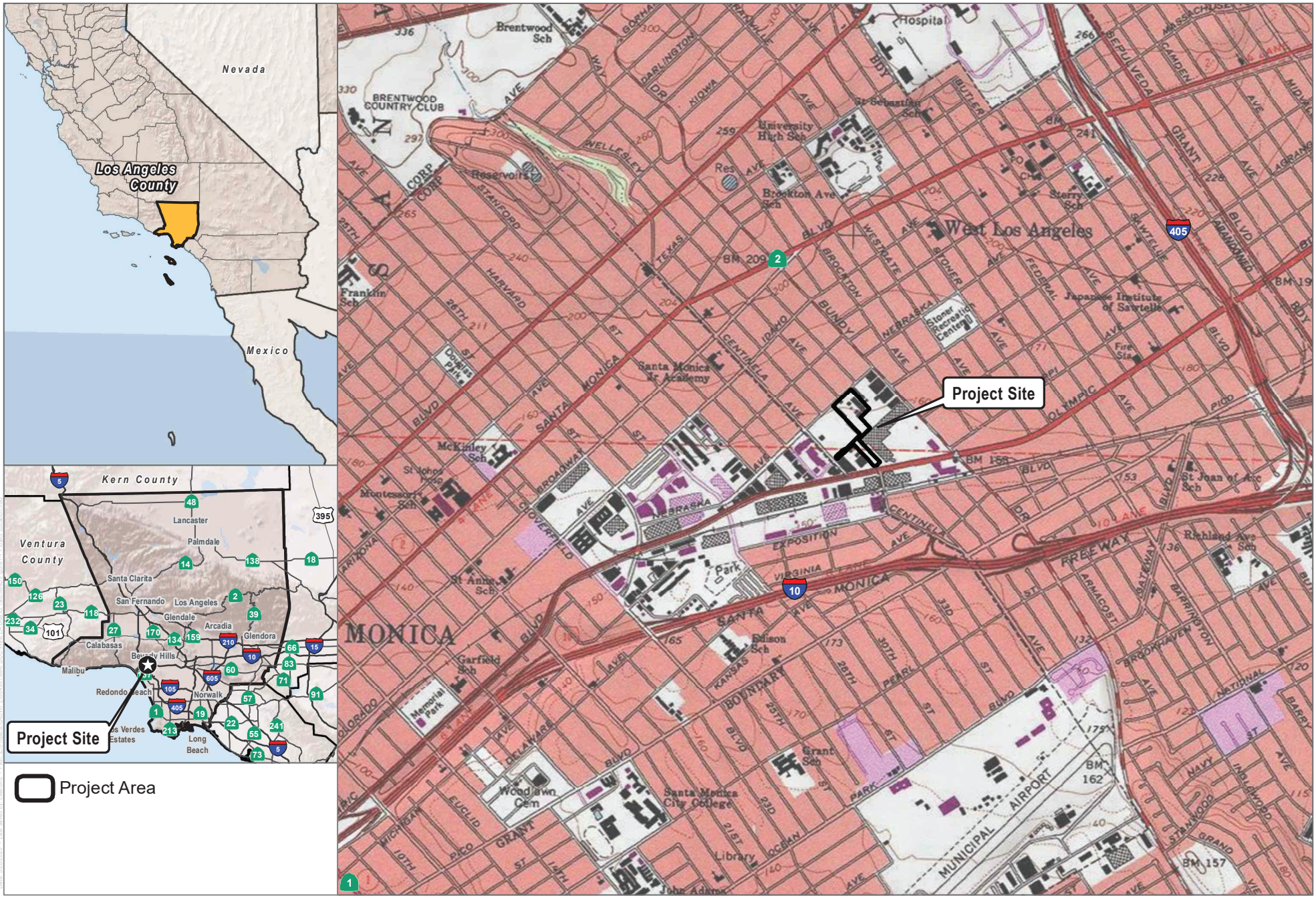
1.3 Project Location

The 6.3-acre project site is located at 12300 Nebraska Avenue in the City of Los Angeles (City). The project site is within the city block that is bound by Nebraska Avenue to the northwest, Bundy Drive to the northeast, Centinela Avenue to the southwest, and Olympic Boulevard to the southeast (see Figure 1-1, Project Location). Access to the project site is available from the west via Nebraska Avenue, from the south via Centinela Avenue, and from the east via Olympic Boulevard, which has direct access to the Interstate (I) 405. Centinela Avenue also represents the boundary between the City of Los Angeles and the City of Santa Monica. The project is located in Council District No. 11 and in the West Los Angeles Community Plan (Community Plan) Area.

1.4 Environmental Setting

The proposed project would occur on an assessor's parcel numbers (APNs) 4259018901 and 4259019900, and a portion of 4259018902, which are all owned and operated by LADWP. The existing West Los Angeles District Yard is developed with LADWP facilities and surface parking under existing conditions. The site is currently used as the West Los Angeles Service Center and includes the district office (3,893 square feet), warehouse/tool room (8,647 square feet), warehouse (5,890 square feet), electric trouble and break room (2,880 square feet), locker room (2,837 square feet), and fleet shop (6,161 square feet). Outdoor storage areas are located along the fences on both sides of the access driveway from Olympic Blvd, and along the western perimeter of the project site. An above ground fueling station is also located in this access driveway. This fueling station includes unleaded and diesel fuel tanks, which would remain above ground as part of the proposed project. A total of 120 employees are currently assigned to this facility, including 105 fleet services employees.

Existing residential development abuts the project site to northwest; the LADWP Receiving Station K (i.e., a high-voltage substation that connects power plants and local distribution lines) is located to the southwest, with industrial uses located further south in the City of Santa Monica; and commercial development and offices are located to the east and northeast.



SOURCE: USGS 7.5-Minute Series Beverly Hills Quadrangle

Los Angeles Department of Water & Power

0 1,000 2,000 Feet

FIGURE 1

Project Location

West LA District Yard Project

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SOURCE: DigtialGlobe 2016

Los Angeles Department of Water & Power

0 200 400 Feet

FIGURE 1-2

Surrounding Land Uses

West LA District Yard Project

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2 PROJECT DESCRIPTION

2.1 Proposed Facilities

The proposed project is a facility improvement project being proposed by the LADWP. The purpose of this project is to repair and replace aging infrastructure, improve safety, provide functional efficiency, integrate sustainability into the project design, and enhance site beautification. The current facilities are unable to meet increasing customer demands and do not have adequate storage capacity for existing equipment. Additionally, the current site layout does not allow for adequate free space for fleet vehicles to maneuver around. Furthermore, the Service Planning group, who meets with new public clients and manages requests for new electrical connections, desires to relocate from their existing location in Lincoln Heights to the District Yard site to provide these services in a more convenient location. The proposed project would allow for more capacity to accommodate employees and more open space for vehicles, thereby preventing congestion at the facility and improving overall operating conditions, workflow, and safety. The project would involve the demolition of all existing structures and the construction of a new three-story, 92,000 square-foot building on the same site as the existing West Los Angeles District Yard. During construction, approximately half of the employees would temporary relocate to the Palms Yard, located at 2311 South Fairfax Avenue, Los Angeles 90016, with the remaining employees temporarily relocating to a yard site in the western portion of Los Angeles World Airport (LAX).

The structures proposed to be demolished include the existing district office, warehouse, break room, locker room, and fleet shop. One new three-story, approximately 92,000 square-foot building would be constructed on site adjacent to the northern portion of the property, which would include the following uses (approximate square footage):

- Administration – 54,000 square feet
- Warehouse – 16,000 square feet
- Fleet Services – 13,000 square feet
- Electric Trouble Services – 1,100 square feet
- Services Planning – 8,600 square feet
- Security – 15 square feet

Outdoor areas would be reconfigured to allow for newly striped vehicle parking areas and trash receptacles, as well as designated exterior storage areas (30,000 square feet). The new building would consolidate all of the functions of the demolished buildings (see Figure 2-1, Site Plan) as well as accommodate the relocated Services Planning group.

The existing gantry crane located at the yard would be relocated to the entrance driveway that provides access to Olympic Boulevard, as shown in Figure 2-2, Concept Plan. The existing fueling station and the unleaded and diesel fuel tanks that are part of the existing fueling station would remain above ground.

The majority of the surface parking areas would be demolished to construct an approximately 145,000 square-foot, one-level underground parking structure located beneath the new building on the project site. The underground parking structure would include a total of 389 parking spaces for employee and fleet vehicles. A two-story above ground parking structure would also be constructed directly to the south of the new building. The above ground parking structure would be approximately 156,000 square-feet. A total of 154 parking spaces would be included in the above ground parking structure and would be used by a variety of LADWP fleet vehicles. Additionally, 12 public parking spaces would be included outside the Services Planning office. All parking spaces would include electric vehicle charging stations. A new security gate would be constructed at the northernmost driveway from Nebraska Avenue.

The new consolidated services building would range from two to three stories in height with gray and earth-tone color exteriors. Building elevations and the overall concept design for the site is shown in Figure 2-3A and Figure 2-3B, Building Elevations. Photovoltaic solar panels would be installed on top of the new building and parking structure. Additionally, solar canopies would be installed over the outdoor storage area.

On-site vehicle circulation would be altered to require all departmental vehicles to access the site via Olympic Boulevard, Centinela Avenue, and the northernmost driveway from Nebraska Avenue. Employee access would be from the new primary driveway from Nebraska Avenue; employees would be required to enter past the security gate into the subterranean parking garage. Public access to the project site would be provided via the southernmost driveway from Nebraska Avenue, and would lead to the public parking spaces outside of the proposed Service Planning offices.

An expansion of the existing driveway within the off-site right-of-way along Nebraska Avenue would be required. To accommodate the driveway expansion, one existing street tree is proposed to be removed. New trees would be added to the project site in the landscape designated areas. No other off-site utility or infrastructure improvements are required.

2.2 Construction

Construction vehicle access to the yard would be restricted to the entrances located on Centinela Avenue and Olympic Boulevard; only employees would be allowed access to the yard via Nebraska Avenue during construction.

Equipment used for the construction of the proposed project would include a minimum of two excavators with thumb attachments, two dozers, one or two drill rigs, two cranes, one backhoe, one forklift, one padfoot compactor, one soil compactor, one loader, one bobcat with broom attachment, one water truck, two dump trucks, and one flatbed truck. The hours of operation for construction equipment are assumed to be 8 hours a day. It is assumed there would be an average of 12 workers present daily during demolition and an average of 30 workers per day during construction.

Construction of the proposed project would require the removal of approximately 100,000 cubic yards of soils, which would be exported from the site via haul trucks. Excavation is anticipated to last approximately five months and would require a total of approximately 5,000 total haul truck trips, assuming each truck would haul 20 cubic yards of soil, which would equate to approximately 65 truck trips per day.

It is assumed that two to four daily vendor trips would be required, on average, during construction of the project. Best management practices (BMPs) such as silt fencing, sand bags, filter fabrics, drain sock, and water trucks for dust control would be implemented during construction of the proposed project.

2.3 Operations

The West Los Angeles service area for this facility is bound to the north by Mulholland Drive, to the south by Imperial Highway, to the east by Robertson Boulevard, and to the west by Vista Del Mar Boulevard. The facility currently accommodates 120 employees; however, upon operation, the proposed project would accommodate approximately 375 employees. The proposed project would operate during the following hours:

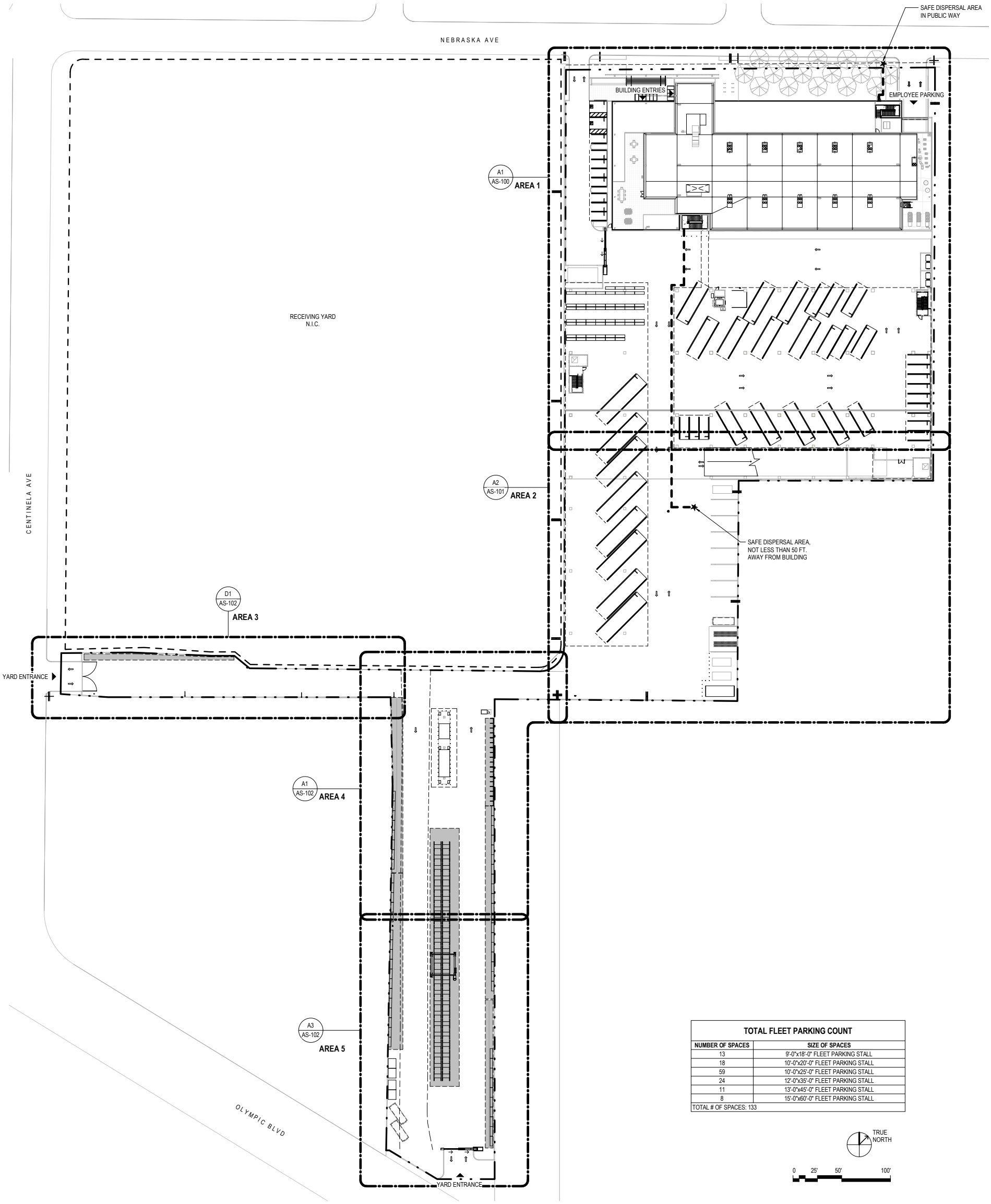
- Monday and Friday: 6:30 a.m. – 4:00 p.m.
    - District/Service Center Personnel: 287
    - Security: 2
    - Supply Chain Services Warehouse: 6
    - Fleet Maintenance: 2
- Monday and Friday: 7:00 p.m. – 3:00 p.m.
    - Electric Trouble: 10
- Monday and Friday: 3:00 p.m. – 11:00 p.m.
    - Electric Trouble: 10
    - Security: 2
    - Fleet Maintenance: 8
- Monday and Friday: 11:00 p.m. – 7:00 a.m.
    - Electric Trouble: 10
    - Security: 2
- Saturday and every other Sunday: 6:30 a.m. – 4:30 p.m.
    - Weekend staffing is on a volunteer basis. On average, there are approximately 150 employees during this shift.
- Saturday and Sunday: 7:00 a.m. – 3:00 p.m.; 3:00 p.m. – 11:00 p.m.; 11:00p.m. – 7:00 a.m.
    - Electric Trouble: 10
    - Security: 2

During project operation, employees would enter the site via a new primary driveway from Nebraska Avenue. Employees that leave the site during shift hours as part of their job (e.g., fleet employees), would exit the project site via the driveway that connects to the project site to Olympic Boulevard. Upon returning to the site, these vehicles would access the site via either Olympic Boulevard or Centinela Avenue.

2.4 Approvals Required for the Project

The following permits and approvals may be required for the proposed project:

- Design drawings approval by Department of Cultural Affairs, City of Los Angeles
- Design drawing and cost estimate approval by Los Angeles Department of Water and Power Board of Commissioners



TOTAL FLEET PARKING COUNT

NUMBER OF SPACES	SIZE OF SPACES
13	9'-0"x18'-0" FLEET PARKING STALL
18	10'-0"x20'-0" FLEET PARKING STALL
59	10'-0"x25'-0" FLEET PARKING STALL
24	12'-0"x35'-0" FLEET PARKING STALL
11	13'-0"x45'-0" FLEET PARKING STALL
8	15'-0"x60'-0" FLEET PARKING STALL
TOTAL # OF SPACES: 133	

SOURCE: HDR 2020

Los Angeles Department of Water & Power

0 100 200 Feet

FIGURE 2-1

Site Plan

West LA District Yard Project

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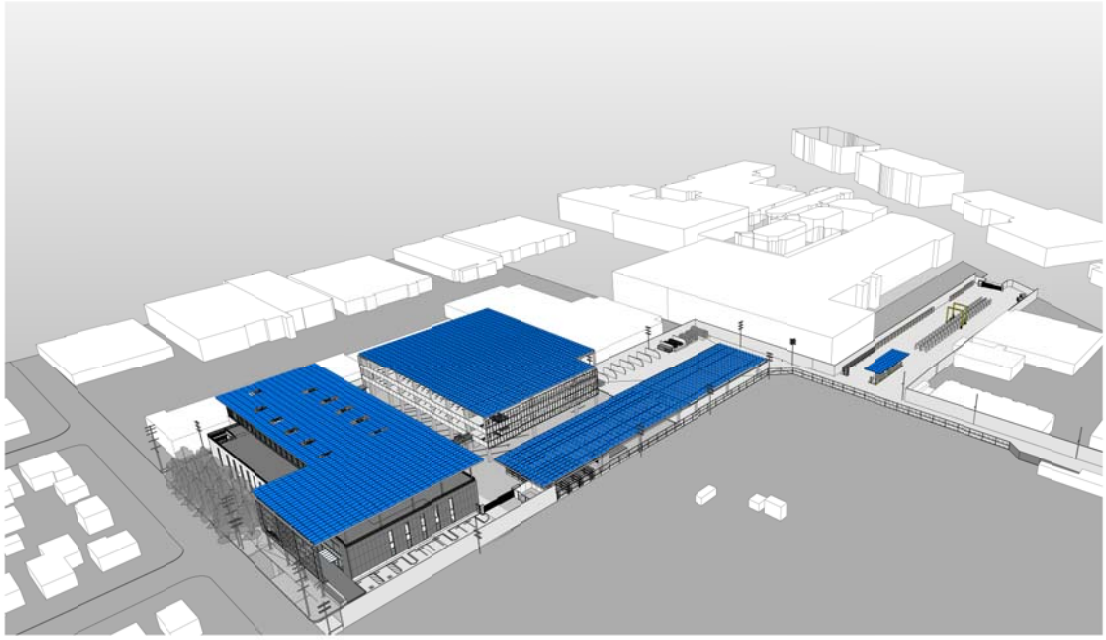
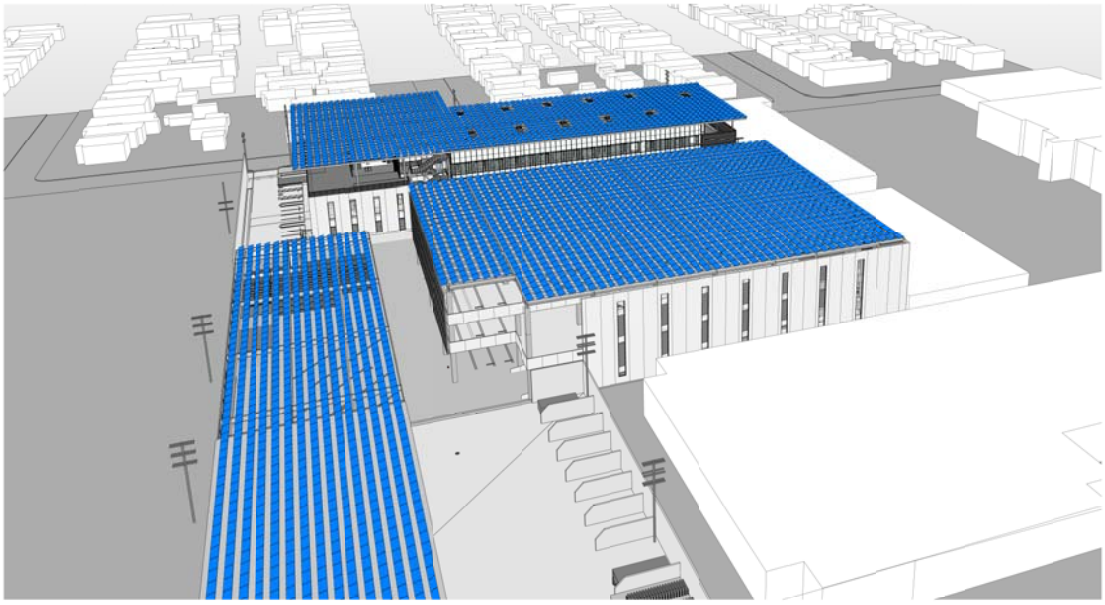


C2 AERIAL VIEW LOOKING SOUTHEAST



A2 AERIAL VIEW LOOKING NORTHEAST

SOURCE: HDR 2020

Los Angeles Department of Water & Power

FIGURE 2-2

Concept Plan

West LA District Yard Project

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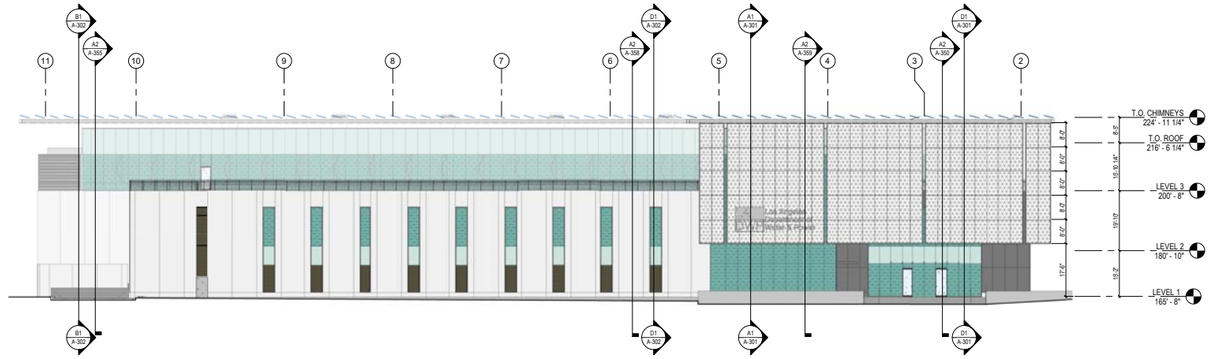
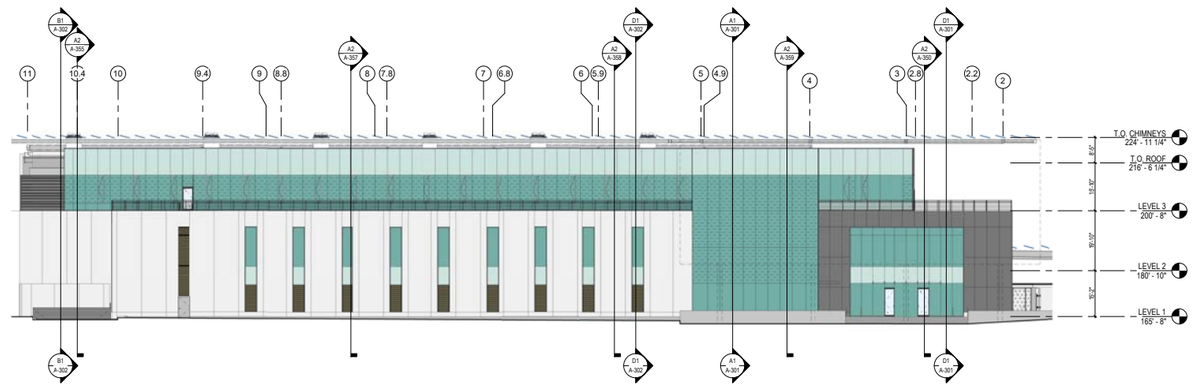
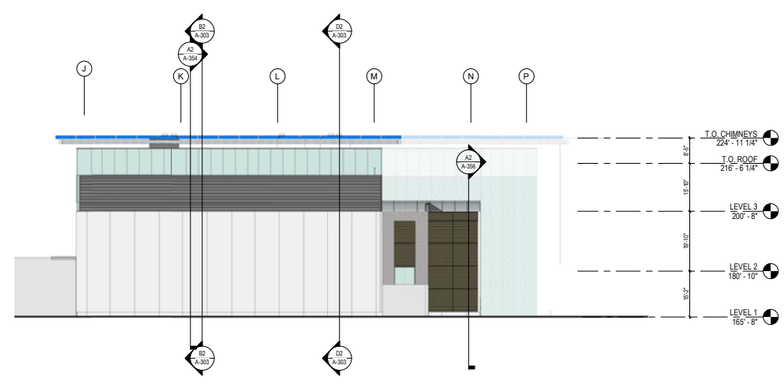


C1 NORTH ELEVATION
1/16" = 1'-0"



B1 NORTH ELEVATION (WITHOUT SCRIM IN FOREGROUND)
1/16" = 1'-0"

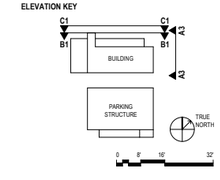


A3 EAST ELEVATION
1/16" = 1'-0"

MATERIAL KEY LEGEND

- VISION SOLAR BAN 70XL
- VISION / ELECTROCHROMIC GLASS
- VISION SOLAR BAN 70XL WITH BACKPAN
- PRECAST COMPOSITE CONCRETE PANEL
- EXPANDED METAL PANEL
- INSULATED CORRUGATED METAL PANEL
- CORRUGATED PERFORATED METAL PANEL
- PORCELAIN TILE
- PV ARRAY
- ARCHITECTURAL LOUVER
- WOVEN WIRE MESH

ELEVATION KEY



SOURCE: HDR 2020

Los Angeles Department of Water & Power

FIGURE 2-3A

Building Elevations

West LA District Yard Project

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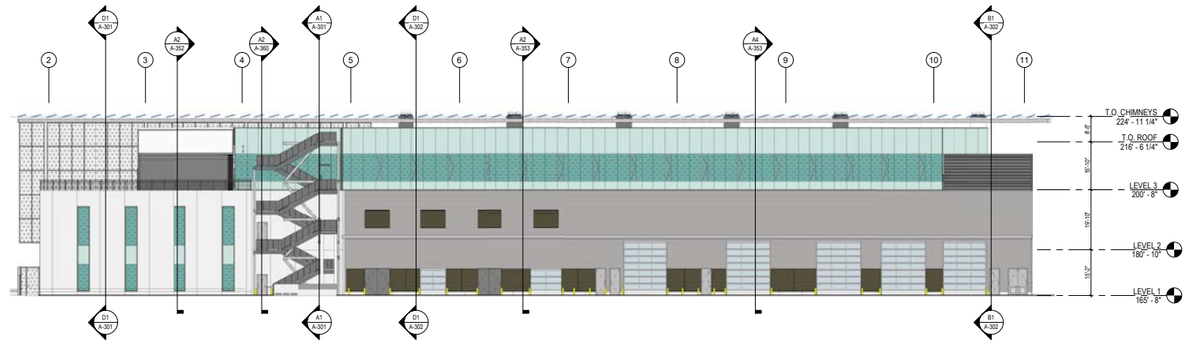
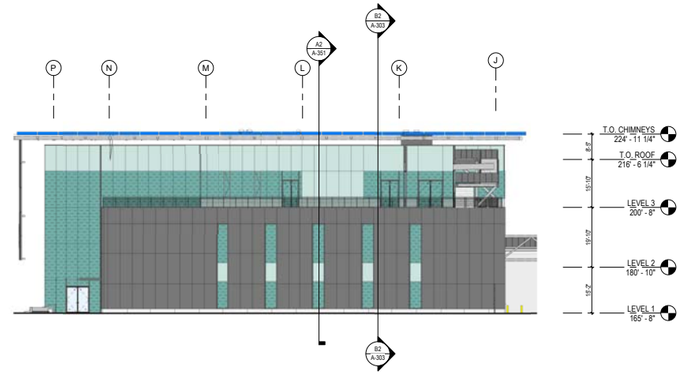


C1 SOUTH ELEVATION
1/16" = 1'-0"

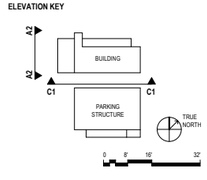


A2 WEST ELEVATION
1/16" = 1'-0"

MATERIAL KEY LEGEND

- VISION SOLAR BAN 70XL
- VISION / ELECTROCHROMIC GLASS
- VISION SOLAR BAN 70XL WITH BACKPAN
- PRECAST COMPOSITE CONCRETE PANEL
- EXPANDED METAL PANEL
- INSULATED CORRUGATED METAL PANEL
- CORRUGATED PERFORATED METAL PANEL
- PORCELAIN TILE
- PV ARRAY
- ARCHITECTURAL LOUVER
- WOVEN WIRE MESH

ELEVATION KEY



SOURCE: HDR 2020

Los Angeles Department of Water & Power

FIGURE 2-3B

Building Elevations

West LA District Yard Project

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3 INITIAL STUDY CHECKLIST

The following discussion of potential environmental effects was completed in accordance with Section 15063(d)(3) of the CEQA Guidelines (2019) to determine if the proposed project may have a significant effect on the environment.

1. Project title:

West Los Angeles District Yard Project

2. Lead agency name and address:

Los Angeles Department of Water and Power
Environmental Services
111 North Hope Street, Room 1044
Los Angeles, California 90012

3. Contact person and phone number:

Aiden Leong
Environmental Planning and Assessment
Los Angeles Department of Water and Power
213.367.0706

4. Project location:

12300 Nebraska Avenue
Los Angeles, California 90025

5. Project sponsor's name and address:

Los Angeles Department of Water and Power
111 North Hope Street
Los Angeles, California 90012

6. City Council District:

District 11

7. Neighborhood Council District

West Los Angeles Neighborhood Council

8. General plan designation:

- Public Facilities

9. Zoning:

- Q(PF)-1XL – Public Facilities Zone
- ZI-2452: Transit Priority Area in the City of Los Angeles

10. Description of project:

Refer to Chapter 2 of this IS/MND

11. Surrounding land uses and setting:

Refer to Section 1.4 of this IS/MND

12. Other public agencies whose approval is required:

Refer to Section 2.4 of this IS/MND

13. 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?

On September 1, 2017, LADWP submitted a Sacred Lands File & Native American Contacts List Request to the Native American Heritage Commission (NAHC). The NAHC responded on September 7, 2017, indicating that the search did not identify any Native American resources in the vicinity of the project site but that the surrounding area is sensitive for cultural resources. Because the Sacred Lands File (SLF) search does not include an exhaustive list of Native American cultural resources, the NAHC suggested contacting Native American individuals and/or tribal organizations who may have direct knowledge of cultural resources in or near the project. The NAHC provided the contact information of the five persons and entities to contact along with the SLF search results. Tribal groups on this list were contacted on September 11, 2017. One response was received by Andrew Salas of the Gabrieleno Band of Mission Indians – Kizh Nation requesting that a Gabrieleno Band of Mission Indians – Kizh Nation Native Monitor be present during all ground disturbances. See Section 3.17 for further details.

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 checklists on the following pages.

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

DETERMINATION

On the basis of this initial evaluation:

☐ I find that the proposed 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 revisions in the project have been made by or agreed to by the project proponent. 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 "potentially significant impact" or "potentially significant unless mitigated" impact 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 the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it 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, because all potentially significant effects (a) have been analyzed adequately in an earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature _____ Date _____

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. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an Environmental Impact Report (EIR) is required.
4. "Negative Declaration: Less Than Significant With 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 "Earlier Analyses," as described in (5) below, may be cross-referenced).
5. Earlier analyses 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). In this case, a brief discussion should identify the following:
    a. Earlier Analysis Used. Identify and state where they are available for review.
    b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
    c. Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
7. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.

8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
9. The explanation of each issue should identify:
   a. The significance criteria or threshold, if any, used to evaluate each question; and
   b. The mitigation measure identified, if any, to reduce the impact to less than significance.

3.1 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 areas, 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?	☐	☐	☒	☐

a) Would the project have a substantial adverse effect on a scenic vista?

No Impact. Scenic vistas generally refer to views of expansive open space areas or other natural features, such as mountains, undeveloped hillsides, large natural water bodies, or coastlines. Less commonly, certain urban settings or features, such as a striking or renowned skyline, may also represent a scenic vista. Under CEQA, scenic vistas also generally, although not exclusively, refer to views that are publically accessible, rather than those available to a limited number of private entities (such as residences, private property etc.). There are no views of scenic vistas on, or surrounding, the project site.

Views of the Santa Monica Mountains to the northwest would not be considered a scenic vista because, although the mountains are visible from the larger roadways (Bundy Drive and Centinela Avenue) in

proximity to the project site, views are almost completely obscured by prevailing development, urban hardscaping, and ornamental landscaping.

Although not exclusively considered scenic vistas, the Community Plan designates Wilshire Boulevard, Santa Monica Boulevard, and Avenue of the Stars as Scenic Highways and specifically states that the land contiguous to a these scenic highways is considered a constituent part of the community's Scenic Corridors (City of Los Angeles 2013). However, the project site is located approximately 0.79-mile from Wilshire Boulevard; 0.44-mile from Santa Monica Boulevard; and 3 miles from Avenue of the Stars. Thus, the project site is not located along any of the roadways designated as Scenic Highways and thus is not considered to be located within a Scenic Corridor (City of Los Angeles 2013). Furthermore, the project is located in a highly developed are in the City of Los Angeles and is already developed with LADWP facilities. As such, no impacts to scenic vistas would occur.

b) Would the project substantially damage scenic resources including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

No Impact. The proposed project is located in a highly developed area of the City. No designated State Scenic Highways are present near the project site. The nearest designated State Scenic Highway is State Route (SR) 2, located approximately 21 miles northeast of the project site, where is traverses through the San Gabriel Mountains from La Canada Flintridge to San Bernardino County (USGS 2019). As such, the project would not substantially damage scenic resources including, but not limited to, trees, rock outcropping, and historic buildings within a state scenic highway.

Although Wilshire Boulevard, Santa Monica Boulevard, and Avenue of the Stars are designated as Scenic Highways in the Community Plan, the proposed project is not located along these roadways, and the site is not visible from these locations (City of Los Angeles 2013). As such, the project would not substantially damage scenic resources including, but not limited to, trees, rock outcropping, and historic buildings within a local scenic highway or scenic corridor. Thus, no impact to scenic highways would occur as a result of the proposed project.

c) In non-urbanized areas, would the project 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?

Less Than Significant Impact. The project site is located in an urbanized area and is already developed with LADWP facilities. The visual quality of the project site is low to moderate under existing conditions due to the aging infrastructure onsite. The purpose of the proposed project is to repair and replace this aging infrastructure, improve safety, provide functional efficiency, integrate sustainability into the project design, and enhance site beautification.

Surrounding land uses consist of one to two story single-family residential units to the west and northwest, one to two story commercial and office structures to the north, and commercial and office two to three story structures of various design to the east. A few eight to ten story commercial structures are also present further to the north of the site. As shown in Figure 2-3, the proposed project would be one to two stories, with neutral (white, beige, and brown) exterior finishes. The building design would be rectangular and geometric (see Figures 2-3A and 2-3B, Building Elevations) and would not include the construction of any infrastructure that would be visually incompatible with the aesthetic of the surrounding development.

The project site is zoned (Q)PF-1XL (Public Facility) (City of Los Angeles 2017). The proposed project would involve improvements to the existing LADWP facilities on-site and would not include any project components that would conflict with the existing zoning. Additionally, the project would be consistent with all City regulations governing scenic quality, including Sections 12.40 of the City of Los Angeles Municipal Code (LAMC), which regulates landscape design. As such, the project would not conflict with applicable zoning and other regulations governing scenic quality. Further, the project would enhance the visual quality of the site by replacing the existing outdated structures with new and improved facilities and landscaping. As such, impacts would be less than significant.

d) Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

Less than Significant Impact. During project construction, the increased presence of construction equipment and materials, including traffic control signage, may result in a slight increase in daytime glare; however, these impacts would be short-term and temporary in nature. Per Section 41.40 of the LAMC, it is expected that construction of the proposed project would only occur during daytime hours, generally between 7:00 am and 9:00 pm, Monday through Friday and between 8:00 am and 6:00 pm on Saturdays with no construction on Sundays and public holidays. As such, no sources of nighttime light or glare are anticipated on or around the site during construction of the proposed project.

During operation of the proposed project, staff is usually present on site Monday and Friday from 6:30 am – 11:00 pm, Tuesday and Thursday from 6:30 am – 7:00 pm, Saturday and every other Sunday from 6:30 am – 4:30 pm. These hours of operation would not change from the hours of operation already existing on the site and, as such, interior building lighting as a result of project operation would not significantly change when compared to existing conditions. The proposed project's design would incorporate some reflective materials, such as metal and glass to the site. However, the project's design would not include large expanses of glass or other highly reflective materials that would generate unusual amounts of light or reflective glare on, or around, the project site when compared to existing operational activities. The proposed project would include photovoltaic solar panels, which can produce significant glare in some scenarios. However, the photovoltaic panels associated with the proposed project would be located on rooftops (out of public viewer

locations) and would be covered with anti-reflective coatings. Additionally, the proposed project would comply with the LAMC Section 93.0117, which specifically regulates the installation of outdoor lighting that has the potential to direct light and glare towards residential property.

As such, new sources of light and glare would not adversely affect day or nighttime views in the area and impacts would be less than significant.

References

City of Los Angeles. 2013. West Los Angeles Community Plan. Accessed, August 26, 2019. https://planning.lacity.org/odocument/f6f2e01c-7383-4e75-8547-7ac98810a917/West_Los_Angeles_Community_Plan.pdf.

USGS (United States Geological Survey). 2019. California Scenic Highways (ArcGIS database). Accessed: August 26, 2019. https://www.arcgis.com/home/webmap/viewer.html?useExisting=1&layers=f0259b1ad0fe4093a5604c9b838a486a.

3.2 Agriculture and Forestry Resources

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 non-agricultural 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 non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

a) Would the project 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 non-agricultural use?

No Impact. According to the California Department of Conservation's (DOC) Important Farmland Finder database, the project site is not located on or near land that is designated as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program (FMMP; DOC 2019a). As such, the proposed project would not convert Farmland to a non-agricultural use, and no impact would occur.

b) Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract?

No Impact. The project site is Zoned (Q)PF-1XL (Public Facility) and designated as Public Facilities in the General Plan (City of Los Angeles 2017). The Project site is not subject to a Williamson Act contact (DOC 2015). As such, the proposed project would not conflict with existing zoning for agricultural use, or a Williamson Act contract. No impact would occur.

c) Would the project 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))?

No Impact. The project site is located in a fully developed, urban area and is not considered forest land, timberland, or a timberland production zone as defined in the California Public Resources Code or Government Code. As such, the proposed project would not conflict with existing zoning for, or cause rezoning for, forest land, timberland, or timberland zoned Timberland Production. No impact would occur.

d) Would the project result in the loss of forest land or conversion of forest land to non-forest use?

No Impact. As described under Section 3.2(c), the project site does not contain forest land. Thus, the proposed project would not result in the loss of forest land or conversion of forest land to non-forest use. No impact would occur.

e) Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?

No Impact. There is no farmland or forest land within the project site or on adjacent parcels. The project would involve the demolition of existing LADWP facilities and construction of new LADWP buildings in their place in order to be able to accommodate the planned staffing increase at the yard, as well as improve the

working conditions at the project site. Thus, it would not contribute to growth that may lead to the conversion of farmland or forest land. There would be no potential for construction or operation of the proposed project to convert farmland to non-agricultural use or forest land to non-forest use, either directly or indirectly. No impact would occur.

References

DOC (California Department of Conservation). 2019a. California Important Farmland Finder database. Accessed August 11 2017. http://maps.conservation.ca.gov/ciff/

DOC (California Department of Conservation). 2016. Los Angeles County Williamson Act FY. [map]. Accessed August 26, 2019. ftp://ftp.consrv.ca.gov/pub/dlrp/wa/.

City of Los Angeles. 2019. Zimas. "Planning and Zoning." Web Map Application. Accessed August 26, 2019. http://zimas.lacity.org/

3.3 Air Quality

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?	☐	☐	☒	☐

a) Would the project conflict with or obstruct implementation of the applicable air quality plan?

Less Than Significant Impact. The project site is located within the South Coast Air Basin (SCAB), which is a 6,745-square-mile area bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. It includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. The project site is within the jurisdictional boundaries of the South Coast Air Quality Management District (SCAQMD).

The SCAQMD administers the Air Quality Management Plan (AQMP) for the SCAB, which is a comprehensive document outlining an air pollution control program for attaining all National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS). The SCAQMD implements control measures included in the AQMP as regulations to control or reduce criteria pollutant emissions from stationary sources or equipment. On March 3, 2017, the SCAQMD approved the 2016 AQMP, which includes strategies to meet the NAAQS for the 8-hour O_3 standard by 2032, the annual $PM_{2.5}$ standard by 2021-2025, the 1-hour O_3 standard by 2023, and the 24-hour $PM_{2.5}$ standard by 2019. In its role as the local air quality regulatory agency, SCAQMD also provides guidance on how environmental analyses should be prepared. This includes recommended thresholds of significance for evaluating air quality impacts. The 2016 AQMP is a regional blueprint for achieving air quality standards and healthful air. The 2016 AQMP represents a new approach, focusing on available, proven, and cost-effective alternatives to traditional strategies while seeking to achieve multiple goals in partnership with other entities promoting reductions in greenhouse gas (GHG) emissions and toxic risk, as well as efficiencies in energy use, transportation, and goods movement (SCAQMD 2017). Because mobile sources are the principal contributor to the SCAB's air quality challenges, the SCAQMD has been and will continue to be closely engaged with the California Air Resources Board (CARB) and the U.S. Environmental Protection Agency (EPA), who have primary responsibility for these sources. 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.

On April 7, 2016, the Southern California Association of Governments (SCAG's) Regional Council adopted the *2016–2040 Regional Transportation Plan/Sustainable Communities Strategy: A Plan for Mobility, Accessibility, Sustainability, and High Quality of Life* (2016-2040 RTP/SCS). The 2016-2040 RTP/SCS is a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals (SCAG 2016a). The SCAQMD 2016 AQMP applies the updated SCAG growth forecasts assumed in the 2016-2040 RTP/SCS.

The SCAQMD has established criteria for determining consistency with the 2016 AQMP in Chapter 12, Sections 12.2 and 12.3, of the SCAQMD *CEQA Air Quality Handbook* (CEQA Handbook). The criteria are as follows:

- **Consistency Criterion No. 1:** The proposed project will not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay the timely attainment of air quality standards of the interim emissions reductions specified in the AQMP.
- **Consistency Criterion No. 2:** The proposed project will not exceed the assumptions in the AQMP or increments based on the year of project buildout and phase (SCAQMD 1993).

Consistency Criterion No. 1

Section 3.3(b) evaluates the project's potential impacts in regard to CEQA Guidelines, Appendix G, Threshold 2 (the project's potential to violate any air quality standard or contribute substantially to an existing or projected air quality violation impact analysis). As discussed in the following text, the project would not result in a significant and unavoidable impact associated with the violation of an air quality standard. Because the project would not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, the project would not conflict with Consistency Criterion No. 1 of the CEQA Handbook (SCAQMD 1993).

Consistency Criterion No. 2

While striving to achieve the NAAQS for ozone (O_3) and particulate matter with an aerodynamic diameter less than or equal to 2.5 microns ($PM_{2.5}$; fine particulate matter) and the CAAQS for O_3, and particulate matter with a diameter less than or equal to 10 microns (PM_{10}; coarse particulate matter), and $PM_{2.5}$ through a variety of air quality control measures, the 2016 AQMP also accommodates planned growth in the SCAB. Projects are considered consistent with, and would not conflict with or obstruct implementation of, the AQMP if the growth in socioeconomic factors (e.g., population, employment) is consistent with the underlying regional plans used to develop the AQMP (per Consistency Criterion No. 2 of the SCAQMD CEQA Handbook).

The SCAQMD primarily uses demographic growth forecasts for various socioeconomic categories (e.g., population, housing, employment by industry) developed by the SCAG for its RTP/SCS (SCAG 2016), which is based on general plans for cities and counties in the SCAB, for the development of the AQMP emissions inventory (SCAQMD 2017).[1] The SCAG 2016 RTP/SCS, and associated Regional Growth Forecast, are generally consistent with the local plans; therefore, the 2016 AQMP is generally consistent with local government plans. If a proposed project involves development that is greater than that anticipated in the General Plan and SCAG's growth projections, the project might conflict with the AQMP and may contribute to a potentially significant cumulative impact on air quality.

As discussed in section 3.14, Population and Housing, the project would be consistent with the existing land use and zoning designations. Therefore, the proposed project would not exceed the anticipated level of

[1] Information necessary to produce the emission inventory for the SCAB is obtained from the SCAQMD and other governmental agencies, including CARB, Caltrans, and SCAG. Each of these agencies is responsible for collecting data (e.g., industry growth factors, socio-economic projections, travel activity levels, emission factors, emission speciation profile, and emissions) and developing methodologies (e.g., model and demographic forecast improvements) required to generate a comprehensive emissions inventory. SCAG incorporates these data into their Travel Demand Model for estimating/projecting vehicle miles traveled and driving speeds. SCAG's socio-economic and transportation activities projections in their 2016 RTP/SCS are integrated in the 2016 AQMP (SCAQMD 2017).

development in the City's General Plan for the site and the project would be consistent t at a regional level with the underlying growth forecasts in the AQMP. Accordingly, the project would meet Consistency Criterion No. 2 of the SCAQMD CEQA Air Quality Handbook. Therefore, implementation of the project would not result in a conflict with, or obstruct implementation of, the applicable air quality plan (i.e., the 2016 AQMP).

Summary

As described previously, the project would not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, and would not conflict with Consistency Criterion No. 1. Implementation of the project would not exceed the demographic growth forecasts in the SCAG 2016 RTP/SCS; therefore, the project would also be consistent with the SCAQMD 2016 AQMP, which based future emission estimates on the SCAG 2016 RTP/SCS. Thus, the project would not conflict with Consistency Criterion No. 2. Based on these considerations, impacts related to the project's potential to conflict with or obstruct implementation of the applicable air quality plan would be less than significant.

b) Would the project 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 with Mitigation Incorporated. A quantitative analysis was conducted to determine whether construction and operation of the project would result in emissions of criteria air pollutants from mobile, area, and energy sources that may cause exceedances of the NAAQS or CAAQS or contribute to existing nonattainment of ambient air quality standards. The following discussion identifies potential short- and long-term impacts that would result from implementation of the project.

SCAB Attainment Designation. An area is designated as in attainment when it is in compliance with the NAAQS and/or the CAAQS. These standards are set by the EPA or CARB, respectively, for the maximum level of a given air pollutant that can exist in the outdoor air without unacceptable effects on human health or the public welfare. The criteria pollutants of primary concern that are considered in this air quality assessment include O_3, nitrogen dioxide (NO_2), CO, sulfur dioxide (SO_2), PM_{10}, and $PM_{2.5}$. Although there are no ambient standards for volatile organic compounds (VOCs) or oxides of nitrogen (NO_x), they are important as precursors to O_3.

The SCAB is designated as a nonattainment area for federal and state O_3 standards and federal and state $PM_{2.5}$ standards. The SCAB is designated as a nonattainment area for state PM_{10} standards; however, it is designated as an attainment area for federal PM_{10} standards. The SCAB is designated as an attainment area for federal and state CO standards, federal and state NO_2 standards, and federal and state SO_2 standards. While the SCAB has been designated as nonattainment for the federal rolling 3-month average lead standard, it is designated attainment for the state lead standard (EPA 2016a; CARB 2016).

SCAQMD Thresholds. Construction and operation of the project would result in emissions of criteria air pollutants for which CARB and the EPA have adopted ambient air quality standards (i.e., the NAAQS and CAAQS). Projects that emit these pollutants have the potential to cause or contribute to violations of these standards. The SCAQMD has adopted significance thresholds, which, if exceeded, would indicate the potential to contribute to violations of the NAAQS or the CAAQS. The relevant SCAQMD thresholds are shown in Table 3.3-1.

A project would result in a substantial contribution to an existing air quality violation of the federal or state standards for O_3, which is a nonattainment pollutant, if the project's construction or operational emissions would exceed the SCAQMD VOC or NO_x thresholds shown in Table 3.3-1. These emission-based thresholds for O_3 precursors are intended to serve as a surrogate for an "ozone significance threshold" (i.e., the potential for adverse O_3 impacts to occur) because O_3 itself is not emitted directly, and the effects of an individual project's emissions of O_3 precursors (VOC and NO_x) on O_3 levels in ambient air cannot be determined through air quality models or other quantitative methods.

Table 3.3-1. SCAQMD Air Quality Significance Thresholds

Criteria Pollutants Mass Daily Thresholds		
Pollutant	*Construction (pounds per day)*	*Operation (pounds per day)*
VOCs[b]	75	55
NO_x	100	55
CO	550	550
SO_x	150	150
PM_{10}	150	150
$PM_{2.5}$	55	55
Pb[a]	3	3
Toxic Air Contaminants and Odor Thresholds		
Toxic Air Contaminants	Maximum incremental cancer risk ≥ 10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas ≥ 1 in 1 million) Chronic and acute hazard index ≥ 1.0 (project increment)	
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	
Greenhouse Gases	10,000 MT/yr CO_2e for industrial facilities	

Table 3.3-1. SCAQMD Air Quality Significance Thresholds

Ambient Air Quality Standards for Criteria Pollutants[c]	
NO_2 1-hour Average NO_2 Annual Arithmetic Mean	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 0.10 ppm (federal)[e] 0.03 ppm (state)
CO 1-hour Average CO 8-hour Average	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 20 ppm (state) and 25 ppm (federal) 9.0 ppm (state/federal)
PM_{10} 24-hour Average PM_{10} Annual Average	10.4 $\mu g/m^3$ (construction)[d] 2.5 $\mu g/m^3$ (operation) 1.0 $\mu g/m^3$
$PM_{2.5}$ 24-hour Average	10.4 $\mu g/m^3$ (construction)[d] 2.5 $\mu g/m^3$ (operation)
Sulfate 24-hour Average	25 $\mu g/m^3$ (state)

Source: SCAQMD 2015.

Notes: VOC = volatile organic compound; lb/day = pounds per day; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; Pb = lead; NO_2 = nitrogen dioxide; MT/year = metric tons per year; CO_2e = carbon dioxide equivalent; ppm = parts per million; μg/m3 = micrograms per cubic meter; ROG = reactive organic gases; SCAQMD = South Coast Air Quality Management District. GHG thresholds for industrial projects, as added in the March 2015 revision to the SCAQMD Air Quality Significance Thresholds, were not included in Table 3.3-2, as they will be addressed in Section 3.8, Greenhouse Gas Emissions.

a The phaseout of leaded gasoline started in 1976. Since gasoline no longer contains lead, the Project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.

b The definition of VOC includes ROG compounds and additional organic compounds not included in the definition of ROG. However, for the purposes of this evaluation, VOC and ROG will be considered synonymous.

c Ambient air quality standards for criteria pollutants based on SCAQMD Rule 1303, Table A-2, unless otherwise stated.

d Ambient air quality threshold based on SCAQMD Rule 403.

e In January 2010, the EPA proposed a new 1-hour national air quality standard of 0.10 ppm for NO_2, which is more stringent than the state's current 1-hour threshold of 0.18 ppm. For the purposes of conducting a conservative analysis, the more stringent national one-hour standard for NO_2 is used as a threshold in the evaluation of the project's air quality impacts.

Construction Emissions. Construction of the project would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment, soil disturbance, and VOC off-gassing) and off-site sources (i.e., on-road haul trucks, vendor trucks, and worker vehicle trips). Construction emissions can vary substantially from day to day, depending on the level of activity and the specific type of operation, and for dust, the prevailing weather conditions. Therefore, such emission levels can only be approximately estimated, with a corresponding uncertainty in precise ambient air quality impacts.

Emissions from the construction phase of the project were estimated using CalEEMod, Version 2016.3.2. CalEEMod input parameters, including the land use type used to represent the project and size, construction schedule, and anticipated construction equipment utilization, were based on information provided by LADWP and default model assumptions. For the purpose of conservatively estimating project emissions, it is assumed

that construction of the project would start in April 2021[2] and would last approximately four years. The construction phasing schedule and duration is as follows:

- Demolition: (April 2021 – August 2021)
- Site Preparation:(April 2021)
- Shoring Phase One: (April 2021 – August 2021)
- Excavation: (August 2021 – December 2021)
- Shoring Phase Two: (August 2021 – September 2021)
- Concrete Foundations: (October 2021 – December 2021)
- Building Construction: (February 2022 – April 2024)
- Architectural Coating (December 2023 – April 2024)
- Concrete Paving (January 2024 – April 2024)

The vehicle trip assumptions and construction equipment mix used for estimating the project-generated emissions are shown in Table 3.3-2, Construction Scenario Assumptions.

Table 3.3-2. Construction Scenario Assumptions

Construction Phase	Average Daily Workers Trips	Average Daily Delivery Truck Trips	Total Haul Truck Trips	Equipment	Quantity	Usage Hours
Demolition	26	0	138	Forklifts	2	6
				Cranes	1	4
				Excavators	1	8
				Skid Steer Loaders	1	8
Site Preparation	10	0	0	Aerial Lifts	1	8
				Cranes	1	8
Shoring One	56	0	0	Air Compressors	2	8
				Generator Sets	2	8
Excavation	28	0	10,000	Crane	1	3
				Excavator	1	3

[2] The analysis assumes a construction start date of April 2021, which represents the earliest date construction would initiate. Assuming the earliest start date for construction represents the worst-case scenario for criteria air pollutant and GHG emissions, because equipment and vehicle emission factors for later years would be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years.

Table 3.3-2. Construction Scenario Assumptions

Construction Phase	Average Daily Workers Trips	Average Daily Delivery Truck Trips	Total Haul Truck Trips	Equipment	Quantity	Usage Hours
				Concrete Saws	1	8
				Forklifts	1	8
				Generator Sets	1	8
Shoring Two	4	0	0	Horizontal Drill Rig	1	8
Concrete Foundations	26	0	0	Cranes	2	8
				Excavators	2	8
				Forklifts	2	8
				Generator Sets	1	8
				Tractors/Loaders/Backhoes	2	8
				Welders	1	8
Trenching	8	0	0	Excavators	1	8
				Tractors/Loaders/Backhoes	2	8
Building Construction	124	52	0	Crane	2	7
				Forklift	3	8
				Generator Sets	1	8
				Rollers	1	8
				Tractors/Loaders/Backhoes	3	7
				Welders	1	8
Concrete Paving	18	0	0	Cement and Mortar Mixers	2	6
				Graders	1	8
				Rollers	2	6
				Rubber Tired Loaders	1	8
				Tractors/Loaders/Backhoes	1	8
Architectural Coating	26	0	0	Air Compressor	1	6

Notes: See Appendix A for details.

Implementation of the project would generate construction-related air pollutant emissions from entrained dust, equipment and vehicle exhaust emissions, and architectural coatings. Entrained dust results from the exposure of earth surfaces to wind from the direct disturbance and movement of soil, resulting in course PM_{10} and $PM_{2.5}$ emissions. Grading would require the export of 100,000 cubic yards of soil over the course of the grading phase. It was conservatively assumed there would be 10,000 haul truck trips during the excavation phase. The project would be required to comply with SCAQMD Rule 403 to control dust emissions generated during construction activities. Standard construction practices required under Rule 403 would be employed to reduce fugitive dust

emissions, including watering of the active sites approximately three times daily depending on weather conditions. Internal combustion engines used by construction equipment and on-road vehicles would result in emissions of VOCs, NO_x, CO, PM_{10}, $PM_{2.5}$, and minimal emissions of sulfur oxides (SO_x). The application of architectural coatings, such as exterior application/interior paint and other finishes, would also produce VOC emissions, and the Project shall comply with SCAQMD Rule 1113, which proscribes the sale or application of high-VOC-content architectural coatings. Details of the construction emission assumptions and calculations are included in Appendix A. Table 3.3-3 shows the estimated maximum daily construction emissions associated with the construction of the project.

Table 3.3-3. Estimated Maximum Daily Construction Emissions – Unmitigated

Year	VOCs	NOx	CO	SOx	PM101	PM2.51
	Pounds per Day					
2020	10.17	125.28	78.07	0.23	9.92	4.18
2021	2.82	25.90	25.27	0.06	1.78	0.53
2022	13.24	24.44	27.29	0.07	2.14	0.68
2024	14.27	34.58	36.90	0.09	2.37	0.76
Maximum	***14.27***	***125.28***	***78.07***	***0.23***	***9.92***	***4.18***
SCAQMD Pollutant Threshold	*75*	*100*	*550*	*150*	*150*	*55*
Threshold Exceeded?	**No**	**Yes**	**No**	**No**	**No**	**No**

Source: See Appendix A for complete results.
Notes: VOC = volatile organic compound; NOx = oxides of nitrogen; CO = carbon monoxide; SOx = sulfur oxides; PM10 = coarse particulate matter; PM2.5 = fine particulate matter.
1 These emissions reflect CalEEMod "mitigated" output, which accounts for compliance with SCAQMD Rule 403 (Fugitive Dust).

As shown in Table 3.3-3, maximum daily construction emissions would not exceed the SCAQMD construction thresholds for VOC, CO, SO_x, PM_{10}, or $PM_{2.5}$. However, the maximum daily construction threshold would be exceeded for NO_x. This is a potentially significant impact.

Implementation of mitigation measure **MM-AQ-1**, which requires Tier 4 Final or better diesel engines, except where Tier 4 Final or better engines are not available for specific construction equipment, would reduce this impact.

MM-AQ-1 To reduce the potential for mass emissions of NO_x as a result of the construction of the project, the applicant shall do the following:

Equip heavy-duty diesel-powered construction equipment with Tier 4 Final or better diesel engines, except where Tier 4 Final or better engines are not available for specific construction equipment. LADWP shall verify and approve all pieces within the construction fleet that would not meet Tier 4 Final standards.

Table 3.3-4 shows the estimated maximum daily construction emissions associated with the construction of the project after the inclusion of MM-AQ-1.

Table 3.3-4. Estimated Maximum Daily Construction Emissions – Mitigated

Year	VOCs[1]	NO_x[1]	CO[1]	SO_x	PM_{10}[1]	$PM_{2.5}$[1]
	Pounds per Day					
2020	2.72	37.06	84.90	0.23	9.92	4.18
2021	1.05	7.57	27.10	0.06	1.78	0.53
2022	11.63	7.77	29.31	0.07	2.14	0.68
2024	11.92	8.81	41.62	0.09	2.37	0.76
Maximum	***11.92***	***37.08***	***84.90***	***0.23***	***9.92***	***4.18***
SCAQMD Pollutant Threshold	*75*	*100*	*550*	*150*	*150*	*55*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Source: See Appendix A for complete results.
Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter.
1 These emissions reflect CalEEMod "mitigated" output, which accounts for compliance with SCAQMD Rule 403 (Fugitive Dust) and Tier 4 Final engines in construction equipment.

As shown in Table 3.3-4, maximum daily construction emissions would not exceed the SCAQMD construction thresholds for VOC, NO_x CO, SO_x, PM_{10}, or $PM_{2.5}$ after inclusion of MM-AQ-1. Therefore, impacts would be **less than significant with mitigation incorporated.**

Operational Emissions. Operation of the project would produce VOC, NO_x, CO, SO_x, PM_{10}, and $PM_{2.5}$ emissions from stationary sources, area sources, including natural gas combustion and use of consumer products, and mobile sources (motor vehicle trips to and from the project). The project would primarily affect air quality through vehicular traffic generated by LADWP employees. Emissions of criteria air pollutants were estimated using CalEEMod. Project buildout was assumed to occur in 2024. Existing criteria air pollutants emissions from operational activities at the project site were estimated in CalEEMod using default values based on the existing facilities including the fleet shop, warehouse and administrative land uses.

Emissions associated with daily traffic were modeled using trip generation rates provided in the Traffic Impact Analysis prepared for the project (Appendix F). The project was assumed to generate 1,030 daily trips, as discussed in the Traffic Impact Analysis. CalEEMod default trip rates, trip percentages, and trip purpose percentages vary by CalEEMod land use type. CalEEMod default data for temperature, variable start information, and emission factors were conservatively assumed for the model inputs. Project-related traffic was assumed to consist of a mixture of vehicles in accordance with the model outputs for traffic. Emission factors representing the vehicle mix and emissions for 2024 were used to represent project buildout.

CalEEMod was used to estimate emissions from the area sources, which include natural gas appliances, space and water heating, gasoline-powered landscape maintenance equipment, use of consumer products, and architectural coatings for maintenance of buildings. The estimated operational area source emissions were based on land use defaults of the project. CalEEMod was also used to calculate emissions associated with forklift and loader operation. It was assumed that three forklifts and four loaders would operate on site for 6 hours a day.

Table 3.3-5 presents the maximum daily emissions associated with operation of the existing facility and of the proposed project. The values shown are the maximum summer or winter daily emissions results from CalEEMod. Complete details of the emissions calculations are provided in Appendix A.

Table 3.3-5. Estimated Daily Maximum Operational Emissions (2026)

Emissions Source	VOCs	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Existing						
Area	0.68	<0.01	<0.01	<0.01	<0.01	<0.01
Energy	0.01	0.06	0.05	<0.01	<0.01	<0.01
Mobile	1.07	5.48	14.94	0.05	4.08	1.13
Off-road equipment	0.69	6.68	6.90	0.01	0.44	0.41
Total Existing Emissions	*2.44*	*12.22*	*21.90*	*0.06*	*4.53*	*1.54*
Proposed						
Area	2.15	<0.01	0.07	0.00	<0.01	<0.01
Energy	0.03	0.24	0.20	<0.01	0.02	0.02
Mobile	1.68	7.83	24.49	0.10	9.01	2.46
Off-road equipment	0.86	8.43	12.34	0.02	0.42	0.39
*Total **Proposed Emissions***	*4.72*	*16.50*	*37.10*	*0.12*	*9.45*	*2.86*
Net Emissions	***2.28***	***4.28***	***15.20***	***0.06***	***4.92***	***1.32***
SCAQMD Pollutant Threshold	55	55	550	150	150	55
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Source: See Appendix A for complete results.
Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; a dash (—) represents information that is not available.

As shown in Table 3.3-5, the total net daily operational emissions from operation of the project would not exceed the SCAQMD operational significance thresholds for VOC, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$ and impacts would be less than significant.

Air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and the SCAQMD develops and implements plans for future attainment of ambient air quality standards. In considering cumulative impacts from the project, the analysis must specifically evaluate

a project's contribution to the cumulative increase in pollutants for which the SCAB is designated as nonattainment for the CAAQS and NAAQS. If a project's emissions would exceed the SCAQMD significance thresholds, it would be considered to have a cumulatively considerable contribution to nonattainment status in the SCAB. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant (SCAQMD 2003).

The SCAB is a nonattainment area for O_3 and $PM_{2.5}$ under the NAAQS and is a nonattainment area for O_3, PM_{10}, and $PM_{2.5}$ under the CAAQS. The nonattainment status is the result of cumulative emissions from various sources of air pollutants and their precursors within the SCAB including motor vehicles, off-road equipment, and commercial and industrial facilities. Construction and operation of the project would generate VOC and NO_x emissions (which are precursors to O_3) and emissions of PM_{10} and $PM_{2.5}$. However, as indicated in Tables 3.3-3 and 3.3-4, project-generated construction and operational emissions (with implementation of MM-AQ-1), respectively, would not exceed the SCAQMD emission-based significance thresholds for VOC, NO_x, PM_{10}, or $PM_{2.5}$; therefore, the project would not cause a cumulatively significant impact.

Cumulative localized impacts could occur if the construction of a project component were to occur concurrently with another project. Construction schedules for potential future projects near the planning area are currently unknown; therefore, potential construction impacts associated with two simultaneous projects are speculative. The CEQA Guidelines state that if a particular impact is too speculative for evaluation, the agency should note its conclusion and terminate discussion of the impact (14 CCR 15145). However, air pollutant emissions associated with construction activity would be reduced through implementation of control measures required by SCAQMD. Cumulative PM_{10} and $PM_{2.5}$ construction emissions would be reduced because all future projects would be subject to SCAQMD Rule 403 (Fugitive Dust), which sets forth general and specific requirements for all construction sites in SCAQMD. The maximum daily PM_{10} and $PM_{2.5}$ emissions would not exceed the significance thresholds during project construction activities, although fugitive dust, as well as vehicle and equipment exhaust, generated during project construction would contribute to the SCAB's nonattainment designation for PM_{10} and $PM_{2.5}$; however, this contribution would not be considered cumulatively considerable.

Furthermore, the project would not conflict with growth assumptions in the SCAQMD 2016 AQMP, which addresses the cumulative emissions in the SCAB. In 2026, upon buildout of the project. Therefore, the project would be consistent at a regional level with the underlying growth forecasts in the AQMP.

Based on the above considerations, the project would not result in a cumulatively considerable contribution to the nonattainment pollutants in the SCAB, and this impact would be less than significant.

c) Would the project expose sensitive receptors to substantial pollutant concentrations?

Less Than Significant Impact. Sensitive receptors include residential land uses, schools, open space and parks, recreational facilities, hospitals, resident care facilities, daycare facilities, or other facilities that may house individuals with health conditions that would be affected by poor air quality.

Localized Significance Thresholds Analysis. The SCAQMD recommends the evaluation of localized NO_2, CO, PM_{10}, and $PM_{2.5}$ construction-related impacts on sensitive receptors in the immediate vicinity of a project site. Residences in the Project area would be located 75 feet from the northwest boundary of the project site. These residents would be considered sensitive receptors that could be affected by construction-generated air pollutant emissions.

The project site is located in Source Receptor Area 2 (Northwest Coastal LA County). The maximum number of acres disturbed on the peak day was estimated using the "Fact Sheet for Applying CalEEMod to Localized Significance Thresholds" (SCAQMD 2011), which provides estimated acres per 8-hour day for crawler tractors, graders, rubber tired dozers, and scrapers. Based on the SCAQMD guidance, and assuming an excavator can grade 0.5 acres per 8-hour day (similar to graders, dozers, and tractors), it was estimated that the maximum acres on the project site that would be disturbed by off-road equipment would be 3.5 acre per day (three rubber tired dozer, and four tractors/loaders/backhoes). The closest receptors to construction activity would be the residents located 23 meters (75 feet) south of the project site; therefore, the SCAQMD Localized Significance Threshold (LST) thresholds for 25 meters (82 feet) was assumed.

Construction activities associated with the project would result in temporary sources of on-site fugitive dust and construction equipment emissions. Off-site emissions from vendor trucks, haul trucks, and worker vehicle trips are not included in the LST analysis (SCAQMD 2008). The SCAQMD LST Methodology specifies the maximum allowable daily emissions that would satisfy the localized significance criteria. The maximum daily on-site construction emissions are compared to the allowable emission rates for Source Receptor Area 2 in Table 3.3-6. Additional details of the LST analysis are provided in Appendix A.

Table 3.3-6. Localized Significance Threshold Analysis for Construction Emissions

Year	NO_2	CO	PM_{10}	$PM_{2.5}$
	Pounds per day (on-site)			
2020	65.30	39.01	7.04	3.27
2021	20.98	19.86	1.06	0.99
2023	2.64	21.69	0.07	0.07
2024	11.52	9.54	0.46	0.42
Maximum Daily On Site Emissions	65.30	39.01	7.04	3.27
SCAQMD LST Criteria	135	1,179	10	6
Threshold Exceeded?	**No**	**No**	**No**	**No**

Source: SCAQMD 2008.
Notes: LST = Localized Significance Threshold; lb/day = pounds per day; NO_2 = nitrogen dioxide; CO = carbon monoxide; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter.
Construction emissions estimates are rounded to the nearest pound.
LSTs were determined based on the values for Source Receptor Area 6, a 5-acre site, at a distance of 100 meters from the nearest sensitive receptor.

As shown in Table 3.3-6, construction activities would not generate substantial emissions of pollutants to sensitive receptors. Impacts to sensitive receptors in the vicinity of project construction would be **less than significant**.

Carbon Monoxide Hotspots. Traffic-congested roadways and intersections have the potential to generate localized high levels of CO. Localized areas where ambient concentrations exceed federal and/or state standards for CO are termed CO "hotspots." CO transport is extremely limited and disperses rapidly with distance from the source. Under certain extreme meteorological conditions, however, CO concentrations near a congested roadway or intersection may reach unhealthy levels, affecting sensitive receptors. Typically, high CO concentrations are associated with severely congested intersections operating at an unacceptable level of service (LOS) (LOS E or worse is unacceptable). Projects contributing to adverse traffic impacts may result in the formation of a CO hotspot. Additional analysis of CO hotspot impacts would be conducted if a project would result in a significant impact or contribute to an adverse traffic impact at a signalized intersection that would potentially subject sensitive receptors to CO hotspots.

Projects contributing to adverse traffic impacts may result in the formation of CO hotspots. To verify that the project would not cause or contribute to a violation of the CO standard, a screening evaluation of the potential for CO hotspots was conducted. The traffic impact study for the proposed project, which is included in this IS/MND as Appendix F, evaluated whether there would be a decrease in the level of service (LOS) (i.e., increased congestion) at the intersections affected by the project. The potential for CO hotspots was evaluated based on the results of the traffic impact study. The California Department of Transportation Institute of Transportation Studies Transportation Project-Level Carbon Monoxide Protocol (CO Protocol; Caltrans 2010) was followed for this analysis. CO hotspots are typically evaluated when (1) the LOS of an intersection decreases

to LOS E or worse; (2) signalization and/or channelization is added to an intersection; and (3) sensitive receptors such as residences, schools, and hospitals are located in the vicinity of the affected intersection or roadway segment. The project's traffic impact study evaluated eight intersections under AM and PM peak hours. As determined by the traffic impact study, LOS at these intersections would not decrease to LOS E or worse as a result of the project; therefore, further analysis is not required. Accordingly, the proposed project would not generate traffic that would contribute to potential adverse traffic impacts that may result in the formation of CO hotspots. In addition, due to continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the SCAB is steadily decreasing. Based on these considerations, the proposed project would result in **a less than significant impact** to air quality with regard to potential CO hotspots.

Toxic Air Contaminants. Toxic air contaminants (TACs) are defined as substances that may cause or contribute to an increase in deaths or in serious illness, or that may pose a present or potential hazard to human health. As discussed under the LST analysis, the nearest sensitive receptors to the proposed project are residences located approximately 75 feet to the northwest of the project site.

Health effects from carcinogenic air toxics are usually described in terms of cancer risk. The SCAQMD recommends an incremental cancer risk threshold of 10 in 1 million. "Incremental cancer risk" is the net increased likelihood that a person continuously exposed to concentrations of TACs resulting from a project over a 9-, 30-, and 70-year exposure period will contract cancer based on the use of standard Office of Environmental Health Hazard Assessment (OEHHA) risk-assessment methodology (OEHHA 2015). In addition, some TACs have non-carcinogenic effects. The SCAQMD recommends a Hazard Index of 1 or more for acute (short-term) and chronic (long-term) non-carcinogenic effects.[3] TACs that would potentially be emitted during construction activities associated with development of the proposed project would be diesel particulate matter.

Diesel particulate matter emissions would be emitted from heavy equipment operations and heavy-duty trucks. Heavy-duty construction equipment is subject to a California Air Resources Board (CARB) Airborne Toxics Control Measure for in-use diesel construction equipment to reduce diesel particulate emissions. As described for the LST analysis, PM_{10} (representative of diesel particulate matter) exposure would not exceed the SCAQMD's threshold. According to the OEHHA, health risk assessments (which determine the exposure of sensitive receptors to toxic emissions) should be based on a 30-year exposure period for the maximally exposed individual resident. However, such assessments should also be limited to the period/duration of activities associated with the project. The duration of the proposed construction activities would constitute a small

[3] Non-cancer adverse health risks are measured against a hazard index, which is defined as the ratio of the predicted incremental exposure concentrations of the various non-carcinogens from the project to published reference exposure levels that can cause adverse health effects.

percentage of the total 30-year exposure period. The construction period for the proposed project would be approximately 4 years, after which construction-related TAC emissions would cease. Due to this relatively short period of exposure and minimal particulate emissions on site, TACs generated during construction would not be expected to result in concentrations causing significant health risks.

Following completion of on-site construction activities, the project would not involve new routine operational activities that would generate TAC emissions. Operation of the proposed project would not result in any non-permitted direct emissions. For the reasons described above, the project would not result in substantial TAC exposure to sensitive receptors in the vicinity of the proposed project, and impacts would be less than significant.

Health Impacts of Criteria Air Pollutants. Construction of the proposed project would generate criteria air pollutant emissions; however, the project would not exceed the SCAQMD mass-emission thresholds.

The SCAB is designated as nonattainment for O_3 for the NAAQS and CAAQS. Thus, existing O_3 levels in the SCAB are at unhealthy levels during certain periods. The health effects associated with O_3 are generally associated with reduced lung function. Because the proposed project would not involve construction activities that would result in O_3 precursor emissions (VOC or NO_x) in excess of the SCAQMD thresholds, the project is not anticipated to substantially contribute to regional O_3 concentrations and the associated health impacts.

In addition to O_3, NO_x emissions contribute to potential exceedances of the NAAQS and CAAQS for NO_2. Exposure to NO_2 and NO_x can irritate the lungs, cause bronchitis and pneumonia, and lower resistance to respiratory infections. Project construction would not exceed the SCAQMD NO_x threshold, and existing ambient NO_2 concentrations are below the NAAQS and CAAQS. Thus, proposed project construction is not expected to exceed the NO_2 standards or contribute to associated health effects.

CO tends to be a localized impact associated with congested intersections. In terms of adverse health effects, CO competes with oxygen, often replacing it in the blood, reducing the blood's ability to transport oxygen to vital organs. The results of excess CO exposure can include dizziness, fatigue, and impairment of central nervous system functions. CO hotspots were discussed previously as a less than significant impact. Thus, the proposed project's CO emissions would not contribute to the health effects associated with this pollutant.

The SCAB is designated as nonattainment for PM_{10} under the CAAQS and nonattainment for $PM_{2.5}$ under the NAAQS and CAAQS. Particulate matter contains microscopic solids or liquid droplets that are so small that they can get deep into the lungs and cause serious health problems. Particulate matter exposure has been linked to a variety of problems, including premature death in people with heart or lung disease, nonfatal heart attacks, irregular heartbeat, aggravated asthma, decreased lung function, and increased respiratory symptoms such as irritation of the airways, coughing, or difficulty breathing (EPA 2016b). As with O_3 and NO_x, the proposed project would not generate emissions of PM_{10} or $PM_{2.5}$ that would exceed the SCAQMD's thresholds.

Accordingly, the proposed project's PM_{10} and $PM_{2.5}$ emissions are not expected to cause any increase in related regional health effects for these pollutants.

In summary, the proposed project would not result in a potentially significant contribution to regional concentrations of non-attainment pollutants and would not result in a significant contribution to the adverse health impacts associated with those pollutants. Impacts would be **less than significant**. No mitigation is required.

d) Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Less Than Significant Impact. Construction of the project would result in emissions from diesel equipment, gasoline, and asphalt paving material fumes. Odors from these sources would be localized and generally confined to the project site. Construction of the project would use typical construction techniques in compliance with SCAQMD rules. Odors would be highest near the source and would quickly dissipate off site. Any odors associated with construction activities would be temporary and would cease upon completion of construction. As such, project construction would not cause an odor nuisance, and odor impacts would be less than significant.

Land uses and industrial operations associated with odor complaints include agricultural uses, wastewater treatment plants, food-processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding operations (SCAQMD 1993). The project would not result in the implementation of any such land use. The project would include the operation of a spray booth. While architectural coatings can produce odors, project spraying activities would be contained within the spray booth and would not cause an odor nuisance. Therefore, project operations would result in a less-than-significant odor impact.

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3.4 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 U.S. 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 U.S. 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?	☐	☒	☐	☐

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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?	☐	☐	☐	☒

a) Would the project 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 Game or U.S. Fish and Wildlife Service?

Less Than Significant Impact. The proposed project site is fully developed and is located in a highly urbanized area of the City, which precludes the project site from sensitive habitat growth and associated use by sensitive wildlife species. Only small areas of drought-tolerant ornamental landscaping are located along the building frontage of Nebraska Avenue, including 2 on-site trees, which are not considered candidate, sensitive, or special status species. Per City Ordinance 177404, any protected trees proposed for removal would be removed with approval of a permit from the City's Chief Forrester.[4]

Due to the prevailing lack of vegetation that could constitute viable habitat for candidate, sensitive, or special-status species on the project site and in the surrounding area, project implementation is not anticipated to have an adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species. Impacts would be less than significant.

b) Would the project 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 Game or U.S. Fish and Wildlife Service?

No Impact. The project site is fully developed with LADWP facilities and surface parking. There are no existing drainages, riparian habitats, or other sensitive natural communities on site or in the surrounding area (USFWS NWI 2019). The nearest recorded sensitive habitat is a Paulstine System (non-tidal wetland) located

[4] Per City Ordinance 177404, any native Oaks, Southern California Black Walnut trees, Western Sycamore trees, or California Bay trees measuring four inches or more in cumulative diameter approximately four and a half feet above ground level are protected.

approximately 0.85-mile northwest of the project site (USFWS NWI 2019). Due to the prevailing distance between the project site and this habitat, project implementation would have no direct or indirect impacts on this habitat or any other riparian habitat or other sensitive natural communities identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service. No impact would occur.

c) Would the project 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?

No Impact. There are no wetlands, including marshes, vernal pools, lakes, or freshwater ponds located on or adjacent to the project site (USFWS NWI 2019). The nearest recorded sensitive habitat is a Paulstine System (non-tidal wetland) located approximately 0.85-mile northwest of the project site (USFWS NWI 2019). Due to the prevailing distance between the project site and this habitat, project implementation would not have a substantial adverse effect on this wetland. Further, the project site is already developed and located in a highly urbanized area of the City. As such, the project would have no impact 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) Would the project 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?

Less Than Significant with Mitigation Incorporated. The project site and surrounding area is fully developed and located within an urban area, which generally precludes the project site from use as a green space within a wildlife corridor or as a native wildlife nursery site. The project site does not reside within any designated wildlife corridors or habitat linkages identified in the South Coast Missing Linkages analysis conducted by South Coast Wildlands (South Coast Wildlands 2008). No wildlife corridor or linkages are identified in the area by the City of Los Angeles (City of Los Angeles 2013). Additionally, as stated above, there are no water bodies, including wetlands and riparian habitats, located within the vicinity of the project site, and, as such, project implementation would not substantially interfere with the movement of any native, migratory fish (USFWS NWI 2019).

Two ornamental trees exist on-site along Nebraska Avenue, and northwest of project site adjacent to the existing parking lot. One of the off-site ornamental street trees along Nebraska Avenue would be removed to accommodate the driveway expansion. Other ornamental trees near the project site have potential to support nesting birds protected under the Migratory Bird Treaty Act and California Fish and Game Code Section 3500. Construction activities may occur during breeding, reproduction, and juvenile rearing periods for nesting birds (i.e., between March

1–August 31). As such, project construction activities, specifically those that generate noise, have the potential to disturb nesting birds in the project vicinity such that impacts could be potentially significant.

Implementation of mitigation measure **MM-BIO-1** would reduce this impact to a less-than-significant level. Additionally, with implementation of proposed landscaping, the site would continue to provide potential nesting sites in an urban environment, consistent with existing conditions. Therefore, long-term impacts to nesting and migratory birds would be less than significant.

MM-BIO-1 If vegetation removal and/or outdoor construction activities will occur during the breeding/nesting season (i.e., between February 1 and August 31) for native birds, preconstruction surveys for nesting migratory birds shall be conducted by a qualified biologist up to 14 days before initiation of construction activities. The qualified biologist shall survey the construction zone and a 250-foot radius surrounding the construction zone to determine whether the activities taking place have the potential to disturb or otherwise harm nesting birds. In the event an active nest is found within the survey area, site preparation and construction activities shall stop until the biologist can establish an appropriate setback buffer around the nest. Buffer size will be determined on a case-by-case basis by the biologist based on site conditions, the species' life history and disturbance tolerance, the nest's distance to construction activities, and the type of construction ongoing in the vicinity of the nest. Buffers will be clearly delineated (e.g., using rope, flagging, signage), or they may also be defined by natural or manmade features that are deemed sufficient to prohibit access (e.g., tree rows, fences). Project activities within the buffer shall be postponed or halted, at the discretion of the biologist, until the nest is vacated and juveniles have fledged, as determined by the biologist, and there is no evidence of a second attempt at nesting.

e) Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

Less Than Significant Impact. Several ornamental trees are present on, and near, the project site. Specifically, there are two trees located on the northwestern perimeter of the site along Nebraska Avenue, several street trees off site along Nebraska Avenue, and several off-site ornamental trees to the northeast between the project site and the adjacent property. Any trees proposed for removal under the proposed project would be removed per City Ordinance 177404 (Section 12.21 of the LAMC), which requires that a tree removal permit be submitted and approved by the City's Chief Forester. Off-site trees would not be impacted by the proposed project.

Furthermore, approximately 10 Ginkgo Biloba trees would be planted on the project site under the proposed project. As such, the project would not conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance and impacts would be less than significant.

f) Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

No Impact. The project site is not located within an adopted Habitat Conservation Plan or Natural Community Conservation Plan (CDFW 2019). Additionally, the project does not conflict with the provisions of the West LA Community Plan (City of Los Angeles 2013). Therefore, the proposed project would not conflict with the provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan. No impact would occur.

References

CDFW (California Department of Fish and Wildlife). 2019. California Natural Community Conservation Plans [map]. July 2019. Accessed August 26, 2019. https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=68626&inline.

City of Los Angeles. 2013. West Los Angeles Community Plan. Accessed August 26, 2019. http://planning.lacity.org/

South Coast Wildlands. 2008. South Coast Missing Linkages: A Wildland Network for the South Coast Region. Accessed August 26, 2019. http://www.scwildlands.org/reports/SCMLRegionalReport.pdf.

USFWS NWI (United States Fish and Wildlife Service, National Wetlands Inventory). 2019. Wetlands Mapper, Search by Address. Accessed August 26, 2019. https://www.fws.gov/wetlands/data/Mapper.html.

3.5 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 §15064.5?	☐	☐	☒	☐
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☒	☐	☐
c) Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	☒	☐

A Cultural Resources Report was prepared for the proposed project by Dudek in November 2017 and included as Appendix B of this IS/MND.

a) Would the project cause a substantial adverse change in the significance of a historical resource as pursuant to §15064.5?

Less Than Significant Impact. A California Historical Resources Information System Records Search (CHRIS) from the South Central Coastal Information Center (SCCIC) was conducted for the proposed project in September 2017. The CHRIS search included all previously recorded cultural resources and investigations within a 0.5-mile radius of the project site. Additional consulted sources included historical maps of the project area; the National Register of Historic Places (NRHP); the California Register of Historical Resources (CRHR); and, the California Historic Property File (see Appendix B). Results of the CHRIS search indicate that 15 previously conducted studies were conducted within the 0.5-mile records search radius between 1977 and 2013. Of these 15 studies, only one (Report No. LA-12500) study overlaps the project site. Report No. LA-12500 documents the results of archaeological monitoring conducted during the installation of 11.4 miles of underground transmission line located in the western portion of the City of Los Angeles in 2013. However, no cultural resources were identified in the direct project area as a result of Report No. LA-12500.

In addition, nine previously recorded resources were identified within a 0.5-mile radius of the project area. However, none of these previously recorded cultural resources, identified through the SCCIC records search, are located within the project site. The closest cultural resource to the project site, the historic Southern Pacific Railroad right-of-way (P-19-003803) is located approximately 0.1-mile from the project site. However, this resource would not be affected by the proposed project.

The project site includes five LADWP structures that were constructed between 1953 and 1966. As such, extensive archival research was conducted in support of the historical significance evaluation of the existing structures. Research efforts included review of online resources at the Los Angeles Public Library, review of LADWP Photograph Collection, visit to the LADWP Records Center, review of LA City Archives, Los Angeles Department of Building and Safety records search, as well as review of aerial photograph and historic maps. Further, a pedestrian survey of the project site was conducted on October 11, 2017. A discussion of the historic significance of each building is included below.

Building 1, Locker Room, 1953

Building 1 fronts West Nebraska Avenue and is situated at the west corner of the parcel. According to the original City of Los Angeles Building Permit, the building was a one-story concrete block building, intended to function as a locker room, washroom, and office for LADWP employees. The structure is a Mid-Century Modern building and was constructed in 1953. The building is currently used as a restroom, shower, locker room, and exercise area for employees.

Building 2, Warehouse – Tool Room, 1953

Building 2 is located immediately southeast of Building 1 and against the dividing southwest property line separating the headquarters yard from the transformer yard for 1840 Centinela Avenue. According to the original City of Los Angeles Building Permit, the building was a one-story concrete block building, intended to warehouse electrical supplies and hazardous materials.

Building 3, Warehouse – Fleet Shop, 1956

Building 3 is located southeast of and in line with Buildings 1 and 2 and against the dividing southwest property line separating the headquarters yard from the transformer yard for 1840 Centinela Avenue. According to the original City of Los Angeles Building Permit, the building was originally a one-story structure intended as a truck shed.

Building 4, District Office, 1959

Building 4 is located northeast of Building 1, across the exiting parking lot and entry road, and fronts west Nebraska Avenue. According to the original City of Los Angeles Building Permit, the building was originally a two-story concrete block building, intended to replace the office in Building 1 and operate thereafter as the official office for the site.

Building 5, Break Room, 1966

Building 5 is located southeast of Building 4 and across the exiting parking lot and entry road from Building 2. According to the original City of Los Angeles Building Permit, the building was originally a two-story concrete block building, intended as another warehouse and tool room. Currently, the building is being used as a break room and employee classroom.

SurveyLA Citywide Historic Context Statement for Municipal Water and Power provides guidance for identifying and evaluating potential historical resources related to water and power, and outlines the requirements for various property types. The LADWP West Los Angeles Yard falls under the property type: Administration Buildings and Service Yards, which has a period of significance of 1902–1980. The context statement also includes eligibility standards, character defining/associative features, and integrity consideration for the property type, which were all considered in the evaluation.

NRHP/CRHR Statement of Significance

In consideration of the project site's history and requisite integrity, the Cultural Resources Report found the West Los Angeles Department of Water and Power Yards not eligible for listing in the NRHP or CRHR based on the following significance evaluation and in consideration of national and state eligibility criteria.

1. **Criterion A/1. Associated with events that have made a significant contribution to the broad patterns of our history.** According to the Cultural Resources Report, the site is most strongly related to

equipment and vehicle storage and lacks significant associations with events important to California history. Thus, the site does not appear eligible under NRHP/CRHR Criteria A/1.

2. **Criterion B/2. Associated with the lives of persons significant in our past.** . This building has no known associations with any important figures in LADWP or City of Los Angeles history. Archival research failed to indicate any associations with significant persons, including engineer and worker names associated with the buildings. As such, the site does not appear eligible under NRHP/CRHP Criteria B/2.
3. **Criterion C/3. Embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.** Under the property type "Administrative Buildings and Service Yards," the site does fall within the period of significance (1902–1980) and is associated with water and power administration and maintenance, per the eligibility standards. However, the buildings lack many of the character defining and associative features required such as "retaining a significant lobby" or prominent signage. The site has no significant landscape features. Because no notable architects or engineers designed the site, the site is not related to a significant architectural or engineering theme. The style of the buildings is relatively unremarkable and may be indistinguishable from other LADWP neighborhood headquarters throughout Los Angeles. As such, the buildings are not the work of a master architect or important creative individual and the project site does not appear eligible as a contributor to a historic district. Thus, the project site does not appear eligible under NRHP/CRHR Criteria C/3.
4. **Criterion D/4: Have yielded, or may be likely to yield, information important in prehistory or history.** There is no evidence to suggest that the project site has the potential to yield information important to state or local history, nor is it associated with a known archaeological resource. Thus, the site is recommended not eligible under NRHP/CRHR Criterion D/4.

City of Los Angeles HCM Criteria

City of Los Angeles Historic-Cultural Monument designation is reserved for those resources that have a special aesthetic, architectural, or engineering interest or value of a historic nature. The Cultural Heritage Ordinance establishes criteria for designation; these criteria are contained in the definition of a Monument in the Ordinance. A historical or cultural monument is any site (including significant trees or other plant life located thereon), building, or structure of particular historical or cultural significance to the City of Los Angeles, such as historic structures or sites:

- in which the broad cultural, political, economic, or social history of the nation, state, or community is reflected or exemplified;
- which are identified with historic personages or with important events in the main currents of national, state, or local history;

- which embody the distinguishing characteristics of an architectural-type specimen, inherently valuable for a study of a period, style, or method of construction;
- which are a notable work of a master builder, designer, or architect whose individual genius influenced his or her age.

A proposed resource may be eligible for designation if it meets at least one of the criteria above. (LAOHR 2017). Because the City of Los Angeles HCM criteria closely follow that of the NRHP and CRHR, the national and state significance evaluation previously presented is also relevant here. The project site is not an example of outstanding craftsmanship, was not created by a "master" architect, builder, or designer, did not influence the design of other architecture in the City of Los Angeles, and does not have a role in the development or history of Los Angeles. It retains a moderate amount of integrity; however, alterations detract from integrity of materials and design. The site is not associated with a person or event important to Los Angeles history. The site is not associated with important movements or trends shaping the development of Los Angeles. Therefore, the project site is recommended not eligible for listing as a City of Los Angeles HCM.

Integrity Discussion

Integrity is the authenticity of a historical resource's physical identity as evidenced by the survival of characteristics that existed during the resource's period of significance, and the historical resource's ability to convey that significance. Seven aspects or qualities, in various combinations, define integrity: location, design, setting, materials, workmanship, feeling, and association (NPS 1990). To retain historic integrity, a property generally possesses several, if not most, of the aspects. The retention of specific aspects of integrity is paramount for a property to convey its significance. The project site's integrity is as follows:

Location: The building is sited on the original location of construction in its original orientation. Therefore, the project site retains integrity of location.

Design: The five buildings were subjected to several alterations over time that have compromised its integrity of design, including reconfiguration of entry points. Therefore, the buildings and grounds at the project site do not maintain integrity of design.

Setting: The site does not maintain its original property boundaries, extending north into the 12272 West Nebraska Avenue lot sometime in the last decade. Areas such as the southern boundary along the 1840 Centinela Avenue have also been alerted overtime. The setting within the larger neighborhood context, such as areas to the northwest, northeast, and southwest of the site are largely unaltered. Therefore, the project site retains diminished integrity of setting, by the reconfiguration of the yards over time.

Materials: Numerous alterations to the buildings on site introduced new materials to that were not part of the original design. Therefore, the project site does not retain integrity of materials.

Workmanship: The physical evidence of a craftsman's skills in constructing the original building was compromised by the exterior alterations of the buildings. Thus, the project side no longer retains its integrity of workmanship.

Feeling: The alterations made to the site do not significantly impact the buildings' ability to correlate to a Mid-Century Modern working yard for the use of LADWP journeymen and their supporting staff. It retains high levels of functionality that it would have had since the site was developed in the 1950s and 1960s. For the most part, buildings retain their original roles, and the feeling of individual buildings has not changed. However, changes to the layout of the property and setting, do affect integrity of feeling. The significant addition of outdoor storage obstructs the original feeling of a working yard. The creation and addition of lots for parking spaces further degrades integrity of feeling. Therefore, the project site retains diminished integrity of feeling.

Association: No important historical associations with events and people were identified for the project site.

Summary

The project site appears not eligible under all NRHP, CRHR, and City of Los Angeles HCM designation criteria. Further, the property exhibits moderate integrity of location, setting, and feeling, and low integrity of design, materials, or workmanship. No important historical associations with events and people were identified. Consequently, the property does not maintain the requisite integrity to warrant listing in the NRHP, CRHR, or as a City of Los Angeles HCM. As such, impacts to historical resources would be less than significant.

b) Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?

Less Than Significant with Mitigation Incorporated. As previously discussed, in order to determine the archaeological sensitivity of the project site, a CHRIS records search from the SCCIC was conducted. The search included any previously recorded cultural resources and investigations within a 0.5-mile radius of the project site. The results of the record search are included as Appendix B of this document. As discussed in Appendix B, the SCCIC records search indicate that 15 previously conducted studies were identified within the 0.5-mile records search radius between 1977 and 2013. Of these studies, one overlaps the current project area (LA-12500). The *Final Archaeological Resources Monitoring Report for the Los Angeles Department of Water and Power Scattergood–Olympic Transmission Line Project, Vault Investigations, Los Angeles County, California* (Vader 2013), documents the results of archaeological monitoring conducted during the installation of 11.4 miles of underground transmission line located in the western portion of the City of Los Angeles. No cultural resources were identified on the project site as a result of the study. Cultural material was recovered at the southern end of the alignment where the proposed right-of-way (ROW) traversed the coast.

No previously recorded cultural resources were identified within the project site as a result of the SCCIC records search. Nine previously recorded resources were identified within a 0.5-mile-radius of the project area. Two of the resources are historic period archaeological deposits, and seven of the resources are built environment resources. All of the previously recorded resources are south of the project site and clustered along resource P-19-003803, the historic Southern Pacific Railroad ROW, which at its closest point, is located approximately 0.1-mile from the project site.

As part of the process of identifying cultural resources within or near the project site, the Native American Heritage Commission (NAHC) was contacted to request a review of the Sacred Lands File (SLF) on September 1, 2017. The NAHC responded on September 7, 2017, indicating that the search did not identify any Native American resources in the vicinity of the project site but that the surrounding area is sensitive for cultural resources. Because the SLF search does not include an exhaustive list of Native American cultural resources, the NAHC suggested contacting Native American individuals and/or tribal organizations who may have direct knowledge of cultural resources on or near the project site. The NAHC provided the contact information of the five persons and entities to contact along with the SLF search results. Tribal groups on this list were contacted on September 11, 2017. One response was received by Andrew Salas of the Gabrieleno Band of Mission Indians – Kizh Nation requesting that a Gabrieleno Band of Mission Indians – Kizh Nation Native Monitor be present during all ground disturbances.

Although one Native American contact, the Gabrieleno Band of Mission Indians – Kizh Nation, requested the presence of a Native American monitor during all ground-disturbing activities, no specific archaeological resources or sensitivity concerns were identified by any sources consulted such as the CHRIS records search, Native American coordination, or survey. However, there is a possibility of encountering previously undisturbed archaeological resources at subsurface levels during ground-disturbing activities associated with the project such that potentially significant impacts could occur. However, with implementation of mitigation measure **MM-CUL-1**, potential impacts to archeological resources during construction activities would be reduced to a less-than-significant level.

MM-CUL-1 In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the proposed project, all construction work occurring within 100 feet of the find shall immediately stop until a qualified archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards, evaluates the significance of the find and determines whether or not additional study is warranted. Should it be required, temporary flagging may be installed around a resource to avoid any disturbances from construction equipment. Depending upon the significance of the find under CEQA (14 California Code of Regulations Section 15064.5(f); PRC Section 21082), the archaeologist may record the find to appropriate standards (thereby addressing any data potential) and allow work to continue. If the archaeologist observes the discovery to be potentially significant under CEQA, additional work, such as preparation of an archaeological treatment plan, testing, or data recovery, may be warranted. Work in the area may resume once

evaluation and treatment of the resource is completed or the resource is recovered and removed from the site.

c) Would the project disturb any human remains, including those interred outside of dedicated cemeteries?

Less Than Significant Impact. There is no indication that human remains are present within the boundaries of the project site. In the unlikely event that excavation activities during construction inadvertently discover buried human remains, the lead agency staff and the County Coroner must be notified of the discovery within 48 hours of discovery, in accordance with Section 7050.5 of the California Health and Safety Code. No further excavation or disturbance of the identified material, or any area reasonably suspected to overlie additional remains, can occur until a determination has been made. If the County Coroner determines that the remains are, or are believed to be, Native American, the coroner would notify the NAHC within 24 hours. In accordance with PRC Section 5097.98, the NAHC must immediately notify those persons it believes to be the Most Likely Descendants (MLD) of the deceased Native American. Within 48 hours of this notification, the MLD would recommend to the lead agency her/his preferred treatment of the remains and associated grave goods. As such, and with compliance with Section 7050.5 of the California Health and Safety Code, impacts would be less than significant.

References

LAOHR (Los Angeles Office of Historic Resources). 2017. "What Makes a Resource Historically Significant?" Los Angeles Office of Historic Resources website. Accessed October, 31, 2017 https://preservation.lacity.org/commission/what-makes-resource-historically-significant.

NPS (National Park Service). 1990. National Register Bulletin: How to Apply The National Register Criteria for Evaluation. Bulletin No. 15. Accessed November 1, 2017. https://www.nps.gov/nr/publications/bulletins/pdfs/nrb15.pdf.

Vader, M. 2013. Final Archaeological Resources Monitoring Report for the Los Angeles Department of Water and Power Scattergood–Olympic Transmission Line Project, Vault Investigations, Los Angeles County, California.

3.6 Energy

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

a) Would the project result in a potentially significant environmental impact due to the wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation?

Less Than Significant Impact. The short-term construction and long-term operation of the proposed project will require the consumption of energy resources in several forms at the project site and within the project area. Construction and operational energy consumption is evaluated in detail below.

Electricity

Construction Use

Temporary electric power for as-necessary lighting and electronic equipment would be provided by LADWP. The amount of electricity used during construction would be minimal, because typical demand would stem from electrically powered hand tools. The electricity used for construction activities would be temporary and minimal; therefore, project construction would not result in wasteful, inefficient, or unnecessary consumption of electricity. Impacts would be less than significant.

Operational Use

Project operation would require electricity for multiple purposes including building heating and cooling, lighting, appliances, electronics, and water and wastewater conveyance. The estimation of operational building energy was based on the applicant-provided forecasted annual electricity consumption estimate of 569,720 kilowatt-hours (kWh). Supply, conveyance, treatment, and distribution of water for the project would also require the use of electricity. Similarly, wastewater generated by the project would require the use of electricity for conveyance and treatment. The water consumption estimate for the project (17,236,917 gallons of water per year) water use were based on defaults values in CalEEMod, and associated electricity consumption from water use and wastewater generation were estimated using CalEEMod. Table 3.6-1, Project Operations – Electricity Demand, presents the electricity demand for the project.

Table 3.6-1. Project Operations – Electricity Demand

Project Facility	kWh/year
Project Buildings	2,170,309.5
Water/Wastewater	15,242.14
Total	**584,962.14**

Source: Appendix A
Notes: kWh = kilowatt-hour.

For comparison, electricity demand for Los Angeles County in 2018 was 67,856 million kWh (CEC 2018a). The proposed project would result in a minimal increase in electricity consumption and would be inherently energy efficient by implementing measures such as LED lighting, optimizing building envelope thermal properties, managing water usage, and optimizing energy performance and controls. Additionally, solar photovoltaic (PV) panels would be incorporated into the project design, which would offset the majority of electricity that would be consumed by the project. Impacts related to operational electricity use would therefore be less than significant.

Natural Gas

Construction Use

Natural gas is not anticipated to be required during construction of the proposed project. Fuels used for construction would primarily consist of diesel and gasoline, which are discussed below under the "petroleum" subsection. Any minor amounts of natural gas that may be consumed as a result of project construction would have a negligible contribution to the project's overall energy consumption.

Operational Use

Natural gas consumption during operation would be required for various purposes, including building heating and cooling. For building consumption, default natural gas generation rates in CalEEMod for the proposed project land uses and climate zone were used. Table 3.6-2, Project Operations – Natural Gas Demand, presents the natural gas demand for the proposed project

Table 3.6-2. Project Operations – Natural Gas Demand

Project Facility	kBtu/year
Project Buildings	900,278

Source: Appendix A
Notes: kBtu = thousand British thermal units.

As shown in Table 3.6-2, the project would consume approximately 900,277 thousand British thermal units (kBtu) per year. For comparison, in 2018 SoCalGas delivered approximately 2,921 million therms (292.1 billion kBtu) to Los Angeles County (CEC 2018b). The proposed project is subject to statewide mandatory energy requirements as outlined in Title 24, Part 6, of the California Code of Regulations. Title 24, Part 11, contains additional energy measures that are applicable to proposed project under the California Green Building Standards Code (CALGreen). Therefore, the proposed project would not result in a wasteful use of energy. Impacts related to operational natural gas use would be less than significant.

Petroleum

Construction

Heavy-duty construction equipment associated with construction activities would rely on diesel fuel, as would haul and vendor trucks involved in delivery of materials to the project site. Construction workers would travel to and from the project site throughout the duration of construction. It is assumed in this analysis that construction workers would travel to and from the site in gasoline-powered light-duty vehicles.

Heavy-duty construction equipment of various types would be used during each phase of project construction. Appendix A lists the assumed equipment usage for each phase of construction. The project's construction equipment is estimated to operate a total combined 31,576 hours.

Fuel consumption from construction equipment was estimated by converting the total carbon dioxide (CO_2) emissions from each construction phase to gallons using the conversion factors for CO_2 to gallons of gasoline or diesel. The conversion factor for gasoline is 8.78 kilograms per metric ton CO_2 per gallon, and the conversion factor for diesel is 10.21 kilograms per metric ton CO_2 per gallon (The Climate Registry 2019). The estimated diesel fuel usage from construction equipment is shown in Table 3.6-3, Construction Equipment Diesel Demand.

Table 3.6-3. Construction Equipment Diesel Demand

Phase	Pieces of Equipment	Equipment CO_2 (MT)	Kg CO_2/Gallon	Gallons
Demolition	10	257.45	10.21	25,215.40
Site Preparation	4	6.14	10.21	601.49
Grading One - Shoring 1	2	42.66	10.21	4,178.64
Trenching	3	32.99	10.21	3,231.19
Grading Two - Excavation	11	307.48	10.21	30,115.44
Grading Three - Shoring 2	1	12.89	10.21	1,262.39
Paving One - Concrete Foundations	10	97.62	10.21	9,560.78
Building Construction	11	842.90	10.21	82,555.90
Architectural Coating	1	11.23	10.21	1,100.33

Table 3.6-3. Construction Equipment Diesel Demand

Phase	Pieces of Equipment	Equipment CO_2 (MT)	Kg CO_2/Gallon	Gallons
Paving Two - Concrete Paving	7	62.85	10.21	6,155.52
			Total	**163,977.07**

Sources: Pieces of equipment and equipment CO_2 (Appendix F); kg CO_2/Gallon (The Climate Registry 2019).
Notes: CO_2 = carbon dioxide; MT = metric ton; kg = kilogram.

Fuel estimates for total worker, vendor, and haul truck fuel consumption are provided in Table 3.6-4, Construction Worker, Vendor, and Haul Truck Petroleum Demand.

Table 3.6-4. Construction Worker, Vendor, and Haul Truck Petroleum Demand

Phase	Trips	Vehicle MT CO_2	Kg CO_2/ Gallon	Gallons
Worker Vehicles (Gasoline)				
Demolition	26	10.93	8.78	1,245.19
Site Preparation	10	0.29	8.78	32.65
Grading One - Shoring 1	6	2.35	8.78	267.76
Trenching	8	2.52	8.78	287.35
Grading Two - Excavation	28	11.64	8.78	1,325.73
Grading Three - Shoring 2	4	0.59	8.78	67.48
Paving One - Concrete Foundations	26	36.49	8.78	4,156.15
Building Construction	124	313.55	8.78	35,711.96
Architectural Coating	26	9.85	8.78	1,121.63
Paving Two - Concrete Paving	18	5.02	8.78	571.57
			Total	**44,787.47**
Vendor Trucks (Diesel)				
Demolition	0	0	10.21	0.00
Site Preparation	0	0	10.21	0.00
Grading One - Shoring 1	0	0	10.21	0.00
Trenching	0	0	10.21	0.00
Grading Two - Excavation	0	0	10.21	0.00
Grading Three - Shoring 2	0	0	10.21	0.00
Paving One - Concrete Foundations	0	0	10.21	0.00
Building Construction	51	341.57	10.21	33,454.19
Architectural Coating	0	0	10.21	0.00
Paving Two - Concrete Paving	0	0	10.21	0.00
Demolition	0	0	10.21	0.00
			Total	**33,454.19**

Table 3.6-4. Construction Worker, Vendor, and Haul Truck Petroleum Demand

Phase	Trips	Vehicle MT CO_2	Kg CO_2/ Gallon	Gallons
Haul Trucks (Diesel)				
Demolition	138	5.1522	10.21	504.62
Site Preparation	0	0	10.21	0.00
Grading One - Shoring 1	0	0	10.21	0.00
Trenching	0	0	10.21	0.00
Grading Two - Excavation	10,000	373.35	10.21	36,567.05
Grading Three - Shoring 2	0	0	10.21	0.00
Paving One - Concrete Foundations	0	0	10.21	0.00
Building Construction	0	0	10.21	0.00
Architectural Coating	0	0	10.21	0.00
Paving Two - Concrete Paving	0	0	10.21	0.00
			Total	**37,071.67**

Sources: Trips and vehicle CO_2 (Appendix A); kg CO_2/Gallon (The Climate Registry 2019).
Notes: MT = metric ton; CO_2 = carbon dioxide; kg = kilogram.

In summary, construction of the project is conservatively anticipated to consume 44,787 gallons of gasoline and 234,503 gallons of diesel over a period of approximately 48 months. For comparison, approximately 114 billion gallons of petroleum will likely be consumed in California over the course of the proposed project's construction phase, based on the California daily petroleum consumption estimate of approximately 78.6 million gallons per day (EIA 2019). Overall, because petroleum use during construction would be temporary, and would not be wasteful or inefficient, impacts would be less than significant.

Operation

The fuel consumption resulting from the project's operational phase would be attributable to employees and visitors traveling to and from the project site. Petroleum fuel consumption associated with motor vehicles traveling to and from the project site during operation is a function of vehicle miles traveled (VMT). As shown in Appendix A, the annual VMT attributable to the project is expected to be 4,025,059 VMT per year. Similar to construction worker and truck trips, fuel consumption for operation is estimated by converting the total CO_2 emissions from VMT to gallons using the conversion factors for CO_2 to gallons of gasoline or diesel. Based on the default CalEEMod vehicle mix and the countywide proportion of gasoline and diesel on-road vehicle VMT, the vehicles associated with project operations would likely be approximately 93% gasoline powered and 7% diesel powered vehicles. The estimated fuel use from vehicles traveling to and from the project site during operation is shown in Table 3.6-5, Project Operations – Petroleum Consumption.

Table 3.6-5. Project Operations – Petroleum Consumption

Fuel	Vehicle MT CO_2	kg CO_2/Gallon	Gallons
Gasoline	1,458.01	8.78	166,060.21
Diesel	113.81	10.21	11,146.89

Source: Appendix A
Notes: CO_2 = carbon dioxide; kg = kilogram; MT = metric ton.

As depicted in Table 3.6-5, project operation would result in approximately 177,207.10 gallons of petroleum fuel usage per year. This is a conservative estimate, since it does not account for usage of electric vehicles (EVs). By comparison, California as a whole consumes approximately 28.7 billion gallons of petroleum per year (EIA 2019).

Over the lifetime of the project, the fuel efficiency of vehicles is expected to increase. As such, the amount of petroleum consumed as a result of vehicular trips to and from the project site during operation is expected to decrease over time. There are numerous regulations in place that require and encourage increased fuel efficiency, such as efforts to accelerate the number of plug-in hybrids and zero-emissions vehicles in California and increasingly stringent emissions standards (CARB 2011). As such, operation of the project is expected to use decreasing amounts of petroleum over time due to advances in fuel economy. Impacts related to operational petroleum use would therefore be less than significant.

In summary, although the project would increase energy use, the use would be a small fraction of the statewide use and, due to efficiency increases, is expected to diminish over time (particularly with respect to petroleum). Given these considerations, energy consumption associated with the project would not be considered inefficient or wasteful and would result in a **less than significant impact.** No mitigation is required.

b) Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Less Than Significant Impact. Part 6 of Title 24 of the California Code of Regulations was established in 1978 and serves to enhance and regulate California's building standards. Part 6 establishes energy efficiency standards for residential and non-residential buildings constructed in California to reduce energy demand and consumption. Part 6 is updated periodically (every 3 years) to incorporate and consider new energy efficiency technologies and methodologies. Title 24 also includes Part 11, CALGreen. CALGreen institutes mandatory minimum environmental performance standards for all ground-up, new construction of commercial, low-rise residential, and state-owned buildings, as well as schools and hospitals. The proposed project would meet Title 24 and CALGreen standards to reduce energy demand and increase energy efficiency. Additionally, the project would consolidate and replace the existing LADWP structures with modern facilities with increased energy efficiency, due to more stringent energy conservation regulations. Finally, PV panels would be incorporated into the project design, which would offset the majority of electricity that would be consumed by the project.

Overall, the proposed project would not conflict with existing energy standards and regulations; therefore, impacts during construction and operation of the proposed project would be **less than significant**. No mitigation is required.

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3.7 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 potential 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	☐	☐	☒	☐

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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 or soil 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 Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☒	☐	☐

Information in this section is taken, in part, from a Geotechnical Investigation Report prepared by Power Engineering Division Geology and Soils Group in February 2018, as well as a Paleontological records Search, included herein as Appendix C1 and C2, respectively.

a) Would the project directly or indirectly cause potential 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.

Less Than Significant Impact. Surface rupture during a seismic event occurs when movement on a fault results in offset to the ground surface; however, not all earthquakes result in surface rupture. The proposed project site is not located within a known earthquake fault zone as delineated on the most Alquist-Priolo Earthquake Fault Zoning Map and is not traversed by any known active faults (City of Los Angeles 2019a). The nearest active fault to the project site, as identified by the City of Los Angeles, is the Santa Monica fault, located approximately 0.5-mile from the project site (City of Los Angeles 2019a). Because no fault lines are known or mapped on the project site, fault rupture is not expected to occur at the project site during a seismic event. Furthermore, implementation of the proposed project would not exacerbate the potential for fault rupture to occur at the project site. As such, impacts would be less than significant.

ii) Strong seismic ground shaking?

Less Than Significant Impact. As with all areas in Southern California, the project site is located in a seismically active region, within which are numerous known earthquake faults. As stated in Section 3.6(a)(i), the Santa Monica fault approximately 0.5-mile from the project site. As with most areas throughout Southern California, the site could be exposed to strong seismic ground shaking over the course of the project's lifespan. However, the proposed project would be designed and constructed in accordance with the latest version of the California Building Code (CBC) and the City of Los Angeles Building Code (LABC), which is legislated by LAMC Chapter IX. Additionally, the proposed project would be constructed according to the recommendations provided in the Geotechnical Report prepared for the project (see Appendix C). Lastly, implementation of the proposed project would not increase the potential for strong seismic ground shaking. As such, impacts would be less than significant.

iii) Seismic-related ground failure, including liquefaction?

Less Than Significant Impact. Liquefaction typically occurs when a site is subject to strong seismic shaking in an area underlain by soils with low cohesion and groundwater located near the surface. The factors known to influence liquefaction potential include soil type and grain size, relative density, groundwater level, confining pressures, and both intensity and duration of ground shaking. In general, materials that are susceptible to liquefaction are loose, saturated granular soils having low fines content under low confining pressures.

According to the Geotechnical Report prepared for the proposed project, a portion of the project site (the easternmost parcel as well as the parcels proposed to host the underground parking structure and surface parking lot) is located in an area susceptible to liquefaction (Appendix C); although, the potential for liquefaction to occur at the project site is low. Irrespective, as discussed in Section 3.6(a)(ii), the project site has the potential to be exposed to strong seismic ground shaking and associated hazards, including liquefaction.

The project would be designed and constructed in accordance with the latest version of the CBC and the LABC relative to seismic criteria, which provides a measure of safety for people and structures exposed to potential substantial adverse effects involving seismic-related ground shaking, including liquefaction. Moreover, the proposed project would adhere to the construction recommendations outlined in the Geotechnical Report (Appendix C). Lastly, the proposed project would not increase or exacerbate the potential for liquefaction to occur. As such, impacts would be less than significant.

iv) Landslides?

No Impact. Landslides are generally defined as the rapid downward movement of rocks and debris en masse, often carried and/or exacerbated by water, down a steep slope (i.e., a cliff, mountain, or hill). The project site is located within an urban area on relatively flat topography and has not been mapped as a landslide hazards area (City of Los Angeles 2019a). As such, the potential for landslides in the project area is low. Moreover, implementation of the proposed project would not exacerbate the potential for landsides to occur on site or in the surrounding area. As such, no impact would occur.

b) Would the project result in substantial soil erosion or the loss of topsoil?

Less Than Significant Impact. The project site is already fully developed with LADWP facilities and surface parking. Construction of the proposed project would involve removal of all existing on-site structures and paving areas and would require grading and excavation of approximately 6.3 acres. During construction activities, the potential for soil erosion to occur would increase due to the exposure of disturbed soils to rains and to construction activities (such as vehicular movement). The project would disturb an area greater than one acre and, as such, would be required to comply with the National Pollutant Discharge Elimination System (NPDES) Construction General Permit, which requires the implementation of a stormwater pollution prevention plan (SWPPP). The SWPPP would employ various BMPs, which are intended to minimize soil erosion during construction. Upon completion of construction, the project would be fully developed with structures, parking, and landscaped areas that would minimize any long-term erosion potential. As such, impacts would be less than significant.

c) Would the project be located on a geologic unit or soil 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?

Less Than Significant Impact. As discussed in Section 3.6(a)(iii), a portion of the project site is subject to liquefaction. However, the project site is located in a highly urbanized area and is already developed. Nonetheless, trenches and other excavations would be backfilled with engineered fills, which meets compaction and shear strength requirements. As discussed in Section 3.6(a)(iv), the project site is not located in an area mapped as a landslide hazard area and would be required to comply with the design and construction requirements of the CBC, the LABC, and with the recommendations established in the Geotechnical Report (Appendix C). Additionally, the Geotechnical Report prepared for the project identified the soils underlying the project site as primarily clayey soils underlain by sedimentary bedrock units, which are generally dense and well consolidated and, as such, reduce the likelihood of landslides, seismic settlement, and lateral spreading at the project site. The project would not involve activities (such as the extraction of groundwater, oil drilling etc.) that could result in, or increase the probability of, subsidence occurring. As such, the construction activities proposed would not result in ground surface disturbance that could lead to unstable soils. Thus, impacts would be less than significant.

d) Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?

Less Than Significant Impact. The CBC and the LABC outline specific design, engineering, and development standards for structures proposed in areas with unstable soils. The project site is located in a highly urbanized area and is already developed. As such, construction and operation of the project would occur along previously disturbed areas. Poorly consolidated Holocene-age alluvial deposits (sand, silt, clay, and gravel) above sedimentary bedrock units the underlie site (Appendix C). Although there is some potential for expansive soils to be encountered at the project site, appropriate engineering, including compliance with the CBC, LABC, and project-specific Geotechnical Report requirements would ensure that impacts to life or property as a result of expansive soils would be less than significant.

e) Would the project have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?

No Impact. The proposed project would not require the use of septic tanks or other alternative wastewater disposal systems. During project construction, sanitary waste would be handled by temporary portable chemical toilets. The waste from temporary facilities would be removed by a private contractor and disposed of at an approved off-site location. During operation, the project would be connected to the existing wastewater disposal infrastructure. As such, soils beneath the project site would not need to support septic tanks and no impact would occur.

f) Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less Than Significant with Mitigation Incorporated. Although the proposed project site is already developed and located on a relatively flat area of the City, the proposed project would involve significant soil excavation for the underground parking structure. Research conducted by Dudek paleontologists and the paleontological records search from the Natural History Museum of Los Angeles County (LACM; Appendix C2) (McLeod, 2017) indicate that the proposed project is underlain by Holocene (< 12,000 years ago) younger Quaternary alluvium (map unit Qa) (Dibblee and Ehrenspeck, 1991). Younger Quaternary alluvium is generally too young to yield significant paleontological resources; however, with depth, younger Quaternary alluvium can transition into early to middle Holocene (~ 12,000 – 5,000 years ago) and Pleistocene (~ 2.6 million years ago – 12,000 years ago) older Quaternary alluvium that is old enough to yield significant paleontological resources. The Society of Vertebrate Paleontology (SVP, 2010) considers significant paleontological resources to pre-date recorded human history or approximately 5,000 radiocarbon years old.

Quaternary alluvium is not considered a unique geological feature and no unique geological features are anticipated to be impacted by construction; however, it has produced numerous significant "Ice Age" fossil resources throughout Los Angeles County. Fossil specimens include amphibians (frogs, toads, and salamanders), reptiles (turtles, snakes, and lizards), birds, and mammals (rodents, rabbits, weasels, bears, wolves, coyotes, saber-tooth cats, bison, mammoths, and mastodons) (Miller, 1971; Jefferson, 1991).

The paleontological records search at the LACM did not identify any previously recorded localities within the proposed project area; however, they do have localities nearby from similar deposits to those that underlie the proposed project (McLeod, 2017). The closest locality reported by McLeod (2017) is situated just southwest of the proposed project along Pennsylvania Avenue and consists of a fossil American lion (*Felis atrox*) that was collected at a depth of six feet below the ground surface (bgs). The next closest locality includes fossil specimens of horse (*Equus*) and sloth (*Paramylodon*), which were recovered south of the proposed project near the intersection of Rose Avenue and Penmar Avenue at depths greater than 11 feet bgs (McLeod, 2017). Finally, the LACM recommends collecting sediment samples to test for the presence of microvertebrates onsite, when warranted.

Although no previously recorded fossil localities were reported by the LACM, the proposed project is underlain by younger Quaternary alluvium, which is overlain by older Quaternary alluvium at an unknown depth. Older Quaternary alluvium is known to yield scientifically significant paleontological resources at relatively shallow depths near the proposed project (McLeod, 2017). Shallow excavations into younger Quaternary alluvium will not likely yield significant paleontological resources; however, there is a possibility of encountering buried paleontological resources at a relatively shallow depth. Implementation of mitigation measure **MM-GEO-1** would ensure that potential impacts to paleontological resources during construction activities are reduced to below a level of significance. Thus, impacts would be less than significant with mitigation incorporated.

MM-GEO-1 Prior to the commencement of any grading activity, the LADWP shall retain a qualified paleontologist, meeting the Society of Vertebrate Paleontology's qualifications, to ensure the implementation of a paleontological monitoring program.

The qualified paleontologist shall attend any preconstruction meetings and manage the paleontological monitor(s) if he or she is not doing the monitoring. A paleontological monitor, meeting the Society of Vertebrate Paleontology's standards, shall be on site during all excavations below a depth of five feet.

In the event that paleontological resources (e.g., fossils) are unearthed during grading, the paleontological monitor will temporarily halt and/or divert grading activity to allow recovery of paleontological resources. The area of discovery will be roped off with a 50-foot radius buffer. Once documentation and collection of the find is completed, the monitor will remove the rope and allow grading to recommence in the area of the find.

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3.8 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?	☐	☐	☒	☐

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Less Than Significant Impact. Climate change refers to any significant change in measures of climate, such as temperature, precipitation, or wind patterns, lasting for an extended period of time (decades or longer). The Earth's temperature depends on the balance between energy entering and leaving the planet's system, and many factors (natural and human) can cause changes in Earth's energy balance. The greenhouse effect is the trapping and build-up of heat in the atmosphere (troposphere) near the Earth's surface. The greenhouse effect is a natural process that contributes to regulating the Earth's temperature, and it creates a livable environment on Earth. Human activities that emit additional GHGs to the atmosphere increase the amount of infrared radiation that gets absorbed before escaping into space, thus enhancing the greenhouse effect and causing the Earth's surface temperature to rise. Global climate change is a cumulative impact; a project contributes to this impact through its incremental contribution combined with the cumulative increase of all other sources of GHGs. Thus, GHG impacts are recognized exclusively as cumulative impacts (CAPCOA 2008).

A GHG is any gas that absorbs infrared radiation in the atmosphere; in other words, GHGs trap heat in the atmosphere. As defined in California Health and Safety Code Section 38505(g) for purposes of administering many of the state's primary GHG emissions reduction programs, GHGs include CO_2, methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF_6), and nitrogen trifluoride (NF_3) (see also 14 CCR 15364.5). The three GHGs evaluated herein are CO_2, CH_4, and N_2O.

Gases in the atmosphere can contribute to climate change both directly and indirectly.[5] The Intergovernmental Panel on Climate Change (IPCC) developed the global warming potential (GWP) concept to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The reference gas used is CO_2; therefore, GWP-weighted emissions are measured in metric tons of CO_2 equivalent (MT CO_2e). Consistent with CalEEMod Version 2016.3.2, this GHG emissions analysis assumed the GWP for CH_4 is 25 (emissions of 1 MT of CH_4 are equivalent to emissions of 25 MT of CO_2), and the GWP for N_2O is 298, based on the IPCC's Fourth Assessment Report (IPCC 2007).

As discussed in Section 3.3 of this IS/MND, the project is located within the jurisdictional boundaries of the SCAQMD. In October 2008, the SCAQMD proposed recommended numeric CEQA significance thresholds for GHG emissions for lead agencies to use in assessing GHG impacts of residential and commercial development projects as presented in its *Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold* (SCAQMD 2008). This document, which builds on the previous guidance prepared by the California Air Pollution Control Officers Association (CAPCOA), explored various approaches for establishing a significance threshold for GHG emissions. The draft interim CEQA thresholds guidance document was not adopted or approved by the Governing Board. However, in December 2008, the SCAQMD adopted an interim 10,000 MT CO_2e per-year screening level threshold for stationary source/industrial projects for which the SCAQMD is the lead agency (see SCAQMD Resolution No. 08-35, December 5, 2008).

The SCAQMD formed a GHG CEQA Significance Threshold Working Group to work with SCAQMD staff on developing GHG CEQA significance thresholds until statewide significance thresholds or guidelines are established. From December 2008 to September 2010, the SCAQMD hosted working group meetings and revised the draft threshold proposal several times, although it did not officially provide these proposals in a subsequent document. The SCAQMD has continued to consider adoption of significance thresholds for residential and general land use development projects. The most recent proposal, issued in September 2010, uses the following tiered approach to evaluate potential GHG impacts from various uses (SCAQMD 2010):

Tier 1. Determine if CEQA categorical exemptions are applicable. If not, move to Tier 2.

Tier 2. Consider whether or not the proposed project is consistent with a locally adopted GHG reduction plan that has gone through public hearing and CEQA review, that has an approved inventory, includes monitoring, etc. If not, move to Tier 3.

Tier 3. Consider whether the project generates GHG emissions in excess of screening thresholds for individual land uses. The 10,000 MT CO_2e per-year threshold for industrial uses would be

[5] Direct effects occur when the gas itself absorbs radiation. Indirect radiative forcing occurs when chemical transformations of the substance produce other GHGs, when a gas influences the atmospheric lifetimes of other gases, and/or when a gas affects atmospheric processes that alter the radiative balance of the Earth (e.g., affect cloud formation or albedo).

recommended for use by all lead agencies. Under option 1, separate screening thresholds are proposed for residential projects (3,500 MT CO_2e per year), commercial projects (1,400 MT CO_2e per year), and mixed-use projects (3,000 MT CO_2e per year). Under option 2, a single numerical screening threshold of 3,000 MT CO_2e per year would be used for all non-industrial projects. If the project generates emissions in excess of the applicable screening threshold, move to Tier 4.

Tier 4. Consider whether the project generates GHG emissions in excess of applicable performance standards for the project service population (population plus employment). The efficiency targets were established based on the goal of Assembly Bill (AB) 32 to reduce statewide GHG emissions to 1990 levels by 2020. The 2020 efficiency targets are 4.8 MT CO_2e per-service population for project-level analyses and 6.6 MT CO_2e per-service population for plan-level analyses. If the project generates emissions in excess of the applicable efficiency targets, move to Tier 5.

Tier 5. Consider the implementation of CEQA mitigation (including the purchase of GHG offsets) to reduce the project efficiency target to Tier 4 levels.

Section 15064.7(c) of the CEQA Guidelines specifies that "[w]hen adopting thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies, or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence." The CEQA Guidelines do not prescribe specific methodologies for performing an assessment, establish specific thresholds of significance, or mandate specific mitigation measures. Rather, the CEQA Guidelines emphasize the lead agency's discretion to determine the appropriate methodologies and thresholds of significance that are consistent with the manner in which other impact areas are handled in CEQA (CNRA 2009).

To determine the proposed project's potential to generate GHG emissions that would have a significant impact on the environment, the project's GHG emissions were compared to the quantitative threshold of 3,000 MT CO_2e per year for all non-industrial projects. Per the SCAQMD guidance, construction emissions should be amortized over the operational life of the project, which is assumed to be 30 years (SCAQMD 2008). Thus, this impact analysis compares estimated operational emissions plus amortized construction emissions to the proposed SCAQMD threshold of 3,000 MT CO_2e per year.

Construction

Construction of the proposed project would result in GHG emissions primarily associated with the use of off-road construction equipment, on-road trucks, and worker vehicles. A depiction of expected construction schedules (including information regarding phasing, equipment used during each phase, truck trips, and worker vehicle trips) assumed for the purposes of emissions estimation is provided in Table 3.3-2 and in Appendix A. Sources of GHG emissions include off-road equipment; off-site sources include trucks and worker vehicles. Table 3.8-1 presents construction GHG emissions for the proposed project from on-site and off-site emissions sources.

Table 3.8-1. Estimated Annual Construction GHG Emissions

Year	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
2021	1,711.01	0.25	0.00	1,177.20
2022	603.58	0.10	0.00	606.05
2023	689.39	0.11	0.00	692.18
2024	293.99	0.05	0.00	295.35
			Total	**2,770.78**
			Amortized Emissions (over 30 years)	**92.36**

Notes: CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent.
See Appendix A for complete results.

As shown in Table 3.8-1, the estimated total GHG emissions would be approximately 2,771 MT CO_2e. Amortized over 30 years, construction GHG emissions would be approximately 92 MT CO_2e per year. In addition, as with project-generated construction criteria air pollutant emissions, GHG emissions generated during proposed construction activities would be short term, lasting only for the duration of the construction period, and would not represent a long-term source of GHG emissions. Because there is no separate GHG threshold for construction, the evaluation of significance is discussed in the operational emissions analysis in the following text.

Operations

CalEEMod version 2016.3.2 was used to estimate potential project-generated operational GHG emissions from area sources (landscape maintenance), energy sources (natural gas and electricity), mobile sources, solid waste, and water supply and wastewater treatment. For additional details, see Section 3.3 for a discussion of operational emission calculation methodology and assumptions, specifically for area and energy (natural gas) sources. Year 2024 was assumed as the first year of operations after project construction.

Existing emissions from the project site were calculated based on the existing land uses using CalEEmod defaults for energy, waste, water and off-road equipment. Trip data from the project's TIA was used to calculate mobile emissions. For the existing site, an operational year of 2020 was assumed as this would be the last year before demolition is anticipated to start.

The estimation of operational energy emissions was based on the CalEEmod defaults per the given land use Furthermore, as part of the project design, electricity is anticipated to be generated by on-site solar PV panels on parking canopies and the building rooftop that would meet the on-site electricity demand. Annual electricity emissions were estimated in CalEEMod using the emissions factors for LADWP, which would be the energy source provider for the proposed project.

Supply, conveyance, treatment, and distribution of water for the project require the use of electricity, which would result in associated indirect GHG emissions. Similarly, wastewater generated by the project requires the use of electricity for conveyance and treatment, along with GHG emissions generated during wastewater treatment. Water consumption estimates for both indoor and outdoor water use (15,242.14 gallons per year) were based on CalEEmod defaults per the given land use, and associated electricity consumption from water use and wastewater generation were estimated using CalEEMod default values.

All details for criteria air pollutants discussed in Section 3.3 are also applicable for the estimation of operational mobile source GHG emissions. Regulatory measures related to mobile sources include Assembly Bill (AB) 1493 (Pavley) and related federal standards. AB 1493 required that CARB establish GHG emission standards for automobiles, light-duty trucks, and other vehicles determined by CARB to be vehicles that are primarily used for noncommercial personal transportation in the state. In addition, the National Highway Traffic Safety Administration and U.S. Environmental Protection Agency have established corporate fuel economy standards and GHG emission standards, respectively, for automobiles and light-, medium-, and heavy-duty vehicles. Implementation of these standards and fleet turnover (replacement of older vehicles with newer ones) will gradually reduce emissions from the proposed project's motor vehicles.

The project would also generate solid waste, and therefore, result in CO_2e emissions associated with landfill off-gassing. CalEEMod default values for solid waste generation were used to estimate GHG emissions associated with solid waste, with 50% waste diversion assumed consistent with AB 939.

Table 3.8-2 presents the annual GHG emissions associated with operation of the proposed project. Additional details are included in Appendix A.

Table 3.8-2. Estimated Annual Operational GHG Emissions

Emission Source	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
Existing				
Area	<0.01	0.00	0.00	<0.01
Energy	151.20	<0.01	<0.01	151.56
Mobile	734.12	0.04	0.00	735.04
Off-Road	106.00	0.03	0.00	106.85
Waste	9.37	0.55	0.00	23.21
Water	51.48	0.19	<0.01	57.48
Total	**1,052.17**	**0.81**	**0.01**	**1,074.16**
Proposed				
Area	0.01	<0.01	0.00	0.02
Energy	48.04	<0.01	<0.01	48.33

Table 3.8-2. Estimated Annual Operational GHG Emissions

Emission Source	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
Mobile	1,571.82	0.07	0.00	1,573.51
Off-Road	194.41	0.06	0.00	195.98
Waste	6.19	0.37	0.00	15.35
Water	121.95	0.36	0.01	133.75
Total	**1,942.44**	**0.86**	**0.01**	**1,966.94**
			Amortized Construction Emissions	*92.36*
			Operation + Amortized Construction Total	**2,059.3**
			Net Total (Existing – Proposed)	**958.14**

Notes: CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent
See Appendix A for detailed results.
Values of "<0.01" indicate that the estimated emissions are less than two decimals. Totals may not sum due to rounding.

As shown in Table 3.8-2, the estimated annual project-generated GHG emissions would be approximately 1,997 MT CO_2e per year as a result of project operation. When summed with the amortized project construction emissions, the total annual GHGs would be approximately 2,059 MT CO_2e per year. Finnaly, after existing emissions at the project site were accounted for, net emissions would be approximately 958 MT CO_2e per year. Annual operational GHG emissions with amortized construction emissions would not exceed the SCAQMD threshold of 3,000 MT CO_2e per year. Therefore, the proposed project's GHG contribution would not be cumulatively considerable and is **less than significant**.

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Consistency with the City of Los Angeles' Sustainable City Plan

The Sustainable City Plan is not a qualified GHG reduction plan according to CEQA Guidelines Section 15183.5 and thus cannot be used in a cumulative impacts analysis to determine the significance of GHG impacts under CEQA. Therefore, this discussion of consistency is for informational purposes only. Table 3.8-3 provides an overview of the measures and goals within the Sustainable City Plan and the proposed project's consistency with each measure and goal. As shown in Table 3.8-3, the proposed project would not conflict with any of the GHG reduction measures or goals within the Sustainable City Plan and thus is consistent with the plan.

Table 3.8-3. Proposed Project Consistency with the Sustainable City Plan Greenhouse Gas Emission Reduction Strategies

Sustainable City Plan Measure	Proposed Project Consistency
Water	
Reduce LADWP purchases of imported water by 50% by 2025, and source 50% of water locally by 2035.	Does not apply. The proposed project would not inhibit LADWP from reducing imported water purchases or sourcing water locally.
Reduce average per capita water use by 22.5% by 2025 and 25% by 2035.	Does not apply. The proposed project would not inhibit the City of Los Angeles (City) from reducing the per capita water use within the City.
Solar Power	
Increase cumulative total megawatts (MW) of local solar photovoltaic power to 900–1,500 MW by 2025 and 1,500-1,800 MW by 2035.	Consistent. The project would include on-site solar to offset energy use.
Increase cumulative total MW of energy storage capacity to at least 1,654–1,750 MW by 2025.	Does not apply. The proposed project would not inhibit the City from increasing energy storage capacity.
Energy Efficient Buildings	
Reduce energy use per square foot below 2013 baseline for all building types by at least 14% by 2025 and 30% by 2035.	Consistent. The proposed project would include design measures to reduce the energy use per square foot.
Use energy efficiency to deliver 15% of all Los Angeles's projected electricity needs by 2020.	Does not apply. The proposed project would not inhibit the City from increasing energy efficiency within the City.
GHGs	
Reduce GHG emissions below 1990 baseline by at least 45% by 2025, 60% by 2035, and 80% by 2050.	Consistent. While the project would result in criteria GHG emissions during construction, these effects would be temporary.
Improve GHG efficiency of Los Angeles's economy from 2009 levels by 55% by 2025 and 75% by 2035.	Consistent. The proposed project would assist the City in meeting its goals by including on-site solar and EV charging stations.
Influence national and global action through the leadership of Los Angeles and other cities on climate change.	Does not apply. The proposed project would not inhibit the City from influencing action on climate change.
Have no ownership stake in coal-fired power plants by 2025.	Consistent. The proposed project would not inhibit the City from reducing its ownership stake in coal-fired power plants.
Waste	
Increase landfill diversion rate to at least 90% by 2025 and 95% by 2035.	Consistent. The proposed project would divert as much waste during construction as feasible, in accordance with state law. The proposed project would not generate additional waste during operation relative to existing conditions.
Increase proportion of waste production and recyclable commodities productively reused and/or repurposed within Los Angeles County to at least 25% by 2025 and 50% by 2035.	Does not apply. The proposed project would not inhibit the City from increasing the proportion of waste production recused or repurposed..

Source: City of Los Angeles 2015.

Consistency with the Scoping Plan

The CARB Scoping Plan, approved by CARB in 2008 and updated in 2014 and 2017, provides a framework for actions to reduce California's GHG emissions and requires CARB and other state agencies to adopt regulations and other initiatives to reduce GHGs. The Scoping Plan is not directly applicable to specific projects, nor is it intended to be used for project-level evaluations.[6] Under the Scoping Plan, however, there are several state regulatory measures aimed at the identification and reduction of GHG emissions. CARB and other state agencies have adopted many of the measures identified in the Scoping Plan. Most of these measures focus on area source emissions (e.g., energy usage, high-GWP GHGs in consumer products) and changes to the vehicle fleet (i.e., hybrid, electric, and more fuel-efficient vehicles) and associated fuels (e.g., Low Carbon Fuel Standard), among others. The Scoping Plan recommends strategies for implementation at the statewide level to meet the goals of AB 32 and establishes an overall framework for the measures that will be adopted to reduce California's GHG emissions. To the extent that these regulations are applicable to the project or its uses, the project would comply with all regulations adopted in furtherance of the Scoping Plan to the extent required by law.

Consistency with SCAG's 2016 RTP/SCS

SCAG's 2016 RTP/SCS is a regional growth-management strategy that targets per capita GHG reduction from passenger vehicles and light-duty trucks in the Southern California region pursuant to Senate Bill (SB) 375. In addition to demonstrating the region's ability to attain and exceed the GHG emission-reduction targets set forth by CARB, the 2016 RTP/SCS outlines a series of actions and strategies for integrating the transportation network with an overall land use pattern that responds to projected growth, housing needs, changing demographics, and transportation demands. Thus, successful implementation of the 2016 RTP/SCS would result in more complete communities with a variety of transportation and housing choices, while reducing automobile use. The proposed project would be consistent with the goals of the 2016 RTP/SCS based on the following considerations:

- As discussed in Section 3.3, vehicle trip generation and VMT for the project site are concluded to have been anticipated in the SCAG 2016 RTP/SCS growth projections because the proposed project would not require a zoning change or General Plan amendment.
- The proposed project would be consistent with the increased use of alternative fueled vehicles policy initiative in the 2016 RTP/SCS since it 60% of all parking spaces would be EV charging stations.

[6] The Final Statement of Reasons for the amendments to the CEQA Guidelines reiterates the statement in the Initial Statement of Reasons that "[t]he Scoping Plan may not be appropriate for use in determining the significance of individual projects because it is conceptual at this stage and relies on the future development of regulations to implement the strategies identified in the Scoping Plan" (CNRA 2009).

- The proposed project would be inherently energy efficient by implementing measures such as LED lighting, optimizing building envelope thermal properties, managing water usage, and by optimizing energy performance and controls while also managing material selections for renewable content and indoor environmental quality. Additionally, PV panels will be incorporated into the project design.

Based on the analysis above, the proposed project would be consistent with the SCAG 2016 RTP/SCS.

Consistency with SB 32 and EO S-3-05

The project would also not impede the attainment of the GHG reduction goals for 2030 or 2050 identified in SB 32 and EO S-3-05, respectively. EO S-3-05 establishes the following goals: GHG emissions should be reduced to 2000 levels by 2010, to 1990 levels by 2020, and to 80% below 1990 levels by 2050. SB 32 establishes for a statewide GHG emissions reduction target whereby CARB, in adopting rules and regulations to achieve the maximum technologically feasible and cost-effective GHG emissions reductions, shall ensure that statewide GHG emissions are reduced to at least 40% below 1990 levels by December 31, 2030. While there are no established protocols or thresholds of significance for that future year analysis; CARB forecasts that compliance with the current Scoping Plan puts the state on a trajectory of meeting these long-term GHG goals, although the specific path to compliance is unknown (CARB 2014).

To begin, CARB has expressed optimism with regard to both the 2030 and 2050 goals. It states in the First Update to the Climate Change Scoping Plan that "California is on track to meet the near-term 2020 GHG emissions limit and is well positioned to maintain and continue reductions beyond 2020 as required by AB 32" (CARB 2014). With regard to the 2050 target for reducing GHG emissions to 80% below 1990 levels, the First Update states the following (CARB 2014):

This level of reduction is achievable in California. In fact, if California realizes the expected benefits of existing policy goals (such as 12,000 megawatts of renewable distributed generation by 2020, net zero energy homes after 2020, existing building retrofits under AB 758, and others) it could reduce emissions by 2030 to levels squarely in line with those needed in the developed world and to stay on track to reduce emissions to 80% below 1990 levels by 2050. Additional measures, including locally driven measures and those necessary to meet federal air quality standards in 2032, could lead to even greater emission reductions.

In other words, CARB believes that the state is on a trajectory to meet the 2030 and 2050 GHG reduction targets set forth in AB 32, SB 32, and EO S-3-05. This is confirmed in the Second Update, which states (CARB 2017):

The Proposed Plan builds upon the successful framework established by the Initial Scoping Plan and First Update, while also identifying new, technologically feasibility and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and

delivers improvements to the environment and public health, including in disadvantaged communities. The Proposed Plan is developed to be consistent with requirements set forth in AB 32, SB 32, and AB 197.

The proposed project would be consistent with the applicable strategies and measures in the Scoping Plan and is consistent with, and would not impede, the state's trajectory toward the above-described statewide GHG reduction goals for 2030 or 2050. In addition, since the specific path to compliance for the state in regards to the long-term goals will likely require development of technology or other changes that are not currently known or available, specific additional mitigation measures for the project would be speculative and cannot be identified at this time. With respect to future GHG targets under SB 32 and EO S-3-05, CARB has also made clear its legal interpretation that it has the requisite authority to adopt whatever regulations are necessary, beyond the AB 32 horizon year of 2020, to meet SB 32's 40% reduction target by 2030 and EO S-3-05's 80% reduction target by 2050; this legal interpretation by an expert agency provides evidence that future regulations will be adopted to continue the state on its trajectory toward meeting these future GHG targets.

Based on the above considerations, the project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs, and no mitigation is required. This impact would be **less than significant**.

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3.9 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 that 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, would the project 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?	☐	☐	☒	☐

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☒	☐

A Phase I Environmental Site Assessment (ESA) was performed for the project site by Dudek in August 2018 and is included in this document as Appendix D.

a) Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Less Than Significant Impact. The proposed project involves demolition of all existing buildings on-site. As discussed in the Phase I ESA, a lead-based paint (LBP) and asbestos-containing materials (ACM) survey was conducted at the site in 2017 (Appendix D). At the time of these surveys, the interiors and exteriors of the existing buildings on site were abated for lead-based paint and asbestos-containing materials. Irrespective, in the event that additional suspect ACM, LBP, or other hazardous building materials are found during demolition of the buildings, such materials would be tested and removed from the existing structure in accordance with applicable local, state, and federal regulations, such as SCAQMD Rule 1403.

During construction of the proposed project, commonly used hazardous substances, such as gasoline, diesel fuel, lubricating oil, grease, and solvents would be used. However, these materials are not considered acutely hazardous and are used routinely throughout urban environments for both construction projects and structural improvements projects. The project would comply with the City's Construction and Demolition Ordinance, which is legislated by Chapter 20.87 of the LAMC and which requires all haulers and contractors responsible for handling construction and demolition (C&D) waste to obtain a Private Waste Hauler Permit prior to collecting, hauling and transporting the waste from within the City (City of Los Angeles 2019b). Per Sections 20.87.040 and 20.87.050 of the LAMC, at least 50% of all construction and demolition waste removed from a project site must be recycled following the submission, and subsequent approval, of a Recycling and Reuse Plan (RRP) to the LADPW Environmental Programs Division (City of Los Angeles 2019b). Upon compliance with these applicable laws involving safe treatment and disposal of ACM, LBP, or other hazardous building materials at landfills specifically authorized and permitted to accept such hazardous materials, construction activities at the existing structures would not post a significant risk to the public or environment.

The operation of the proposed project would involve transport, storage, use, and disposal of hazardous materials associated with janitorial and maintenance as well as hazardous materials associated with the existing

unleaded and diesel fuel tanks. However, the operational use of chemicals associated with these activities is routine, and all activities involving the use of hazardous materials would be regulated and subject to federal, state, and local health and safety requirements. As such, impacts would be less than significant.

b) Would the project 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?

Less Than Significant with Mitigation Incorporated. As discussed in Section 3.9(a) above, although small amounts of commonly used hazardous substances would be used during construction, the type of materials would be limited and would not be considered acutely hazardous. According to the Phase I ESA, a LBP and ACM survey were conducted at the site in 2017 (Appendix D). At the time, the interiors and exteriors of the existing buildings were abated for LBP and ACMs. Irrespective, in the event that additional suspect ACM, LBP, or other hazardous building materials are found during demolition of the buildings, such materials would be tested and removed from the existing structure in accordance with applicable local, state, and federal regulations, such as SCAQMD Rule 1403.

The operation of the proposed project would involve transport, storage, use, and disposal of hazardous materials associated with janitorial and maintenance as well as hazardous materials associated with the existing unleaded and diesel fuel tanks. However, the operational use of chemicals associated with these activities is routine and is not anticipated to result in reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment because all activities involving the use of these materials would be regulated and subject to federal, state, and local health and safety requirements.

The Phase I ESA also identified various existing recognized environmental conditions (RECs) at the site and on adjacent properties that could result in impacts to the environmental condition of the site. An overview of these existing potentially contaminated sites and associated potential impacts to the public or the environment is discussed below.

On-Site Soil Contamination

On-site soil contamination was identified on the project site, northeast of the existing office building. Arsenic, vanadium, and various other chemicals such as beryllium, chromium and cadium were detected above regional background concentration thresholds at this location. The presence of these chemicals on-site could result in an impact to the environmental condition of the site. This is a potentially significant impact.

Hudson Element – Adjacent Property

Existing hazards associated with the Hudson Element property, located adjacent to the project site to the southeast, include high concentrations of contaminants that were found in groundwater wells at this site.

Because these contaminants are located within approximately 225 feet of the site, groundwater contamination could occur at the project site. This is a potentially significant impact.

12210 ½ Nebraska Avenue – Adjacent Property

Sampling was performed at the 12210 ½ Nebraska Avenue site, adjacent to the project site to the northeast. The sampling identified several volatile organic compounds (VOCs) in soil, soil-gas, and groundwater, including trichloroethylene (TCE) and chloroform. The contamination is reportedly due to historical site activities, and the current operations are not contributing to the environmental condition of the site. A remedial investigation report was completed in 2010, but no other remediation activities have been reported. This site was entered into a voluntary cleanup agreement in 2009, which was later terminated in 2010 due to non-compliance of the agreement. The site was then referred to the Los Angeles Regional Water Quality Control Board (LARWQCB) and no further activities have been reported since then. Based on groundwater studies completed on adjoining properties, groundwater flows that are generally southward, and given that this site is up gradient from the project site, this site could result in impacts to the environmental condition of the project site. This is a potentially significant impact.

CSHV Pen Factory – Nearby Property

The CSHV Pen Factory site, located approximately 0.5-mile west of the project site, was historically used as a clary quarry and brick firing facility (until the -1950s), a landfill, and a pen manufacturing facility (from 1968). Contamination of soil, soil-gas, and groundwater has previously impacted City water supply wells as a result of this site. Although site remediation began in 2009, a No Further Action (NFA) letter has not been issued by the LARWQCB and the site is still an open and ongoing case. As such, the CSHV Pen Factory site could result in impacts in the environmental condition of the project site due to soil, soil-gas, and groundwater contamination. This is a potentially significant impact.

Off-Site Sources – Olympic Well Field

The Olympic Well Field site is located approximately 360 feet southwest of the project site, in an area formerly occupied by a number of industrial facilities, which contributed to elevated levels of VOCs that have previously impacted the City's supply wells located down-gradient of the contamination. The project site is located within the drawdown radius of this site and the closest well is located approximately 360 feet west of the site. Based on the radius of influence and proximity of detected concentrations of VOCs in groundwater, the contamination associated with the Olympic Well Field site could result in an impact to the environmental condition of the project site. This is a potentially significant impact.

Boeing Supercharger – Nearby Property

The Boeing Supercharger site, located in the vicinity of the project site, was formally a part of the Olympic Well Field, discussed above. Groundwater studies revealed VOCs in groundwater beneath and down-gradient from the project site. The City entered a Settlement and Release Agreement with Boeing in 2012, and the City took over restoration and replacement of groundwater through the Olympic Well Field Management Plan. Thus, this individual site is considered a Controlled REC because it was issued a NFA letter by the LARWQCB, with the assumption that the groundwater contamination would be managed by the City. As such, the Boeing Supercharger site would not result in an impact to the environmental condition of the site.

Data Gaps

The Phase I ESA determined that there are various areas where there are not enough details to determine whether or not an existing feature would result in impacts to the environmental condition on the project site. These data gaps are explained in more detail below.

Unstable Materials Pit and Product Lagoon

Records reviewed during the Phase I ESA indicate that a "product lagoon" was installed on the project site in 1978. Further, a diagram, dated January 18, 2978 was found that indicated that an "unstable materials pit" for a pervious use of the site was also located on the project site. However, there are not enough details regarding these features to determine if they are the same feature, how long they were present on the project site, or if they had a historic environmental impact to the site. This lack of information presents a data gap; thus, there is not enough information to determine if these features would result in an impact to the current environmental condition of the site.

EPA Aerial Photograph Report

During the Phase I ESA, Dudek reviewed the Environmental Protection Agency (EPA) Aerial Photographic Analysis of the Santa Monica Groundwater Area, which included the project site. Clay mining operations were present west of the project site in the 1930s and continued in the northern portion of the area through 1958, followed by dumping in the open pit areas. By 1975, all excavations surrounding the project site had been filled and commercial and industrial buildings had been constructed. Eight of these sites are located within a 1-mile radius of the project site, and were considered potential areas of groundwater contamination by the EPA. Additional information regarding the presence or absence of contamination at these sites was not identified during the Phase I ESA. This lack of information presents a data gap; thus, there is not enough information to determine if these features would result in an impact to the environmental condition of the site.

Vapor Encroachment Condition

A vapor encroachment screen report was prepared for the Phase I ESA using EDR's vapor encroachment worksheet. A "Tier I" Vapor Encroachment Screening (VES) was performed for the site in accordance with ASTM E 2600-10, "Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions." The Tier I VES was performed to evaluate whether there is a potential for vapors originating from contaminated soil and/or groundwater to occur in the subsurface below the existing and potential future on-site structures. For sites where a vapor encroachment condition (VEC) could not be ruled out but where reports of site sampling were available, those reports were used to evaluate the site (Tier 2 screening).

The EDR vapor encroachment worksheet determined that potential for vapor intrusion to the project site exists due to former conditions of the site, adjoining property or nearby property operations or existing conditions, historical uses of adjoining property or nearby properties, and regulatory review of sites identified on federal, state, and local databases. VEC cannot be ruled out at the project site due to previous uses that occurred from at least 1950 until 1989. For adjoining or nearby properties, VEC cannot be ruled out due to the presence of the Olympic Well Field contamination plume, which is potentially located beneath the project site, Hudson Element groundwater contamination adjoining the project site to the east, and 12210½ Nebraska Avenue Property groundwater, soil, and soil-gas contamination adjoining the project site to the north. As such, these potential VECs present a data gap. This is a potentially significant impact and further investigation is required to determine whether or not VECs would result in an impact to the environmental condition of the site.

Summary and Conclusion

As determined in the Phase I ESA, the following environmental hazards of concern pose potentially significant impacts to the proposed project:

- Elevated concentrations of metals in the soils in the area of the proposed new Administration Building.
- Groundwater contamination identified beneath the adjoining property, Hudson Element, to the east.
- Groundwater contamination identified on an up-gradient adjoining site, 12210½ Nebraska Avenue. Contamination, reportedly due to historical site activities, includes TCE and chloroform.
- VOC impacts to local groundwater due to off-site sources - Olympic Well Field and CSHV Pen Factory.
- Records for a "product lagoon" installed on the subject property in 1978. Records for an "unstable materials pit" dated 1978. The details and locations of these features are unknown, and represent a data gap.

- Former nearby landfills were identified in a 1996 US Environmental Protection Agency (EPA) study of historical aerial photographs. EPA identified these as a potential source of groundwater contamination, but no additional information was available.
- Potential vapor encroachment conditions, based on potential VOC contamination in groundwater at adjoining properties.

Given this, earthwork performed during construction of the project could result in 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. These existing environmental conditions could also result in potentially significant impacts from upset and accident conditions during operations. Mitigation measure **MM-HAZ-1** would quantify the levels of potential contaminants of concern (PCOC's) (VOCs, TPH, metals, PAHs, or methane) in soil, soil vapor and/or groundwater and compare them to regulatory screening levels to ensure appropriate measures would be taken to protect human health and the environment such that regulatory risk thresholds are not exceeded.

MM-HAZ-1 Prior to issuance of building permit, a Phase II ESA for soil, soil-gas, and groundwater sampling must be completed in accordance with ASTM E1903-19.

The Phase II ESA shall be conducted in order to determine if contamination exists beneath the project site. The subsurface investigation should include, but may not be limited to, areas of the project site where hazardous materials, tanks, and manufacturing areas have been identified, as well as areas potentially impacted by off-site contamination sources. The Phase II ESA shall also include investigation of the area where the former Allied Chemical Company operations took place, to determine the presence or absence of contamination related to the former "product lagoon" and/or "unstable materials pit." Should contaminants of concern be identified above regulatory screening levels which would indicate a potential impact to human health and/or the environment, a remediation plan shall be developed prior to commencement of construction and development activities in these areas. Coordination with the certified unified program agency may be required if contamination is discovered above regulatory screening levels.

With implementation of **MM-HAZ-1**, the proposed project would not 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. Therefore, impacts would be less than significant with mitigation incorporated.

c) Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Less Than Significant with Mitigation Incorporated. The proposed project is located within 0.25-mile of two schools; namely, the New Roads School, which is located approximately 0.12-mile southwest of the project site and the New West Charter School, which is located 0.2-mile northeast of the project site. However, as discussed above, although the project would involve the use, transport, and disposal of commonly used hazardous substances and contaminated soils during construction, all activities would be subject to federal, state, and local health and safety requirements and are not anticipated to result in hazards at nearby schools. Additionally, implementation of **MM-HAZ-1** would ensure that the proposed project would not create a significant hazard to the public, including emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school. As such, impacts would be less than significant.

d) Would the project be located on a site that 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?

Less Than Significant with Mitigation Incorporated. A regulatory database search gives a listing of sites within a 1-mile radius of the project site that are known to handle hazardous chemicals, are hazardous waste generators, or have confirmed or suspected releases of hazardous materials or petroleum products. Information in these listings includes the location of the site relative to the property, type of hazardous material at the site, and the status of the site. The search performed for this Phase I ESA was conducted in August 2018 by EDR (Appendix D). The project site was listed in seven regulatory database records, as shown in Table 3.9-1. A determination as to whether or not the case would be considered a REC is also included in Table 3.9-2.

Table 3.9-1. Regulatory Database Records for the Project Site

Database Listing	Summary of Listing	REC?
12300 Nebraska		
AST	LADWP has at least one AST registered at the project site. The presence of the ASTs does not appear to be a REC.	No
CA HAZNET	LADWP reported generation and disposal of over 300 various types of hazardous wastes between 1993 and 2016. There are no violations reported with this listing; the type of waste, disposal method, amount, and year are summarized. This listing does not appear to be a REC.	No
RCRA-LQG	LADWP West LA Service Center reported a large quantity of hazardous waste generated in 2010. Wastes included inorganic solids, low pH liquids, ignitable wastes, and lead. A previous generator report (SQG) was also prepared in 1991, the details of which are not available in the EDR report. No violations were reported with this listing. This listing does not appear to be a REC.	No

Table 3.9-1. Regulatory Database Records for the Project Site

Database Listing	Summary of Listing	REC?
12300 Nebraska		
FINDS	FINDS identified the project site as a biennial hazardous waste reporter (also reported in CA HAZNET), and identified the site in ECHO (see entry below). This listing alone does not appear to be a REC.	No
ECHO	ECHO for the project site includes the RCRA generator status, as described in the CA HAZNET and RCRA-LQG listings above. No violations are reported in this listing. This listing does not appear to be a REC	No
CA SWEEPS UST CA FID UST	These databases track registered underground storage tanks (USTs). The site is registered on both sites, but there are no details regarding the type, age, and contents of the UST. SWEEPS database is no longer updated or maintained. The California FID UST database, which sources from the California State Water Resources Control Board (CWRCB), indicates an "inactive" status, generally referenced when a UST has been decommissioned or removed. Information obtained from the Los Angeles City Fire Department (LACFD) indicates USTs were previously located on the project site. The 1999 Phase I ESA contains records of the removal of three USTs, an oil/water separator, and a fueling island.	No
12270 Nebraska Avenue (Plaskon Electornic Matl Co Inc.)		
CA SWEEPS UST CA HIST UST CA FID UST	Hazardous Substance Storage Container Information Sheets were downloaded from GeoTracker (GeoTracker 2018). Those sheets, dated June 1988, indicate a 7,500-gallon acetone UST and a "product lagoon" were registered on the project site. The tank was installed in 1959, while the lagoon was installed in 1978. The storage container details state the lagoon was 10-gauge double-walled carbon steel with an industrial enamel lining. The tank details are not known. A copy of the Information Sheets as well as additional information regarding USTs on this site, received from the LACFD ,are provided in Appendix C1. However, information regarding the use and/or decommissioning of the "product lagoon" were not found. An "unstable materials pit" design was provided by LACFD, but the location, type of materials stored, and dates of use were not available. It is unknown if this is the same site feature. This represents a data gap.	Data Gap
RCRA NonGen	The site handled, but did not generate hazardous wastes. There are no violations associated with this listing. This listing does not appear to be a REC.	No
CA EMI	The site held an air quality permit in 1987. This listing does not appear to be a REC.	No
FINDS	FINDS identified the air quality permit reported under Toxics Release Inventory and the NonGen status under RCRA. This listing does not appear to be a REC.	No
ECHO	ECHO for the project site include a Toxics Release Inventory report from 1988, and an inactive RCRA status. There are no violations reported. This listing does not appear to be a REC.	No

Source: Appendix D
Notes: REC = Recognized Environmental Concern; CA = California; AST = Aboveground Petroleum Storage Tank Facilities; RCRA-LQG = Resource Conservation and Recovery Act -- Large Quantity Generator; FINDS = Facility Index System/Facility Registry System; ECHO = Enforcement and compliance history; SWEEPS = California Statewide Environmental Evaluation and Planning System Underground Storage Tank; UST = Undergound storage tank; FID = Facility Inventory Database; HIST = Hazardous Substance Storage Container Database; RCRA NonGen = Resource Conservation and Recovery Act -- Large Quantity Generator ; EMI = Emissions Inventory Data.

As shown in Table 3.9-1, the majority of the regulatory database records do not qualify as RECs. However, as shown in Table 3.9-1, a data gap exists for one of the listings at 12270 Nebraska Avenue. This is because there is not enough information regarding the product lagoon and unstable materials pit currently present on site to determine if they are the same feature, how long they were present on-site, and if they had an environmental impact to the project site. As such, due to this lack of information, it cannot be determined whether or not this site could result in impact to the environmental condition of the site. Thus, in order to address the potential unknown conditions and to reduce potentially significant impacts, **MM-HAZ-1**, which requires further evaluation of this site, is be required.

Further, 205 listings were identified within 1-mile of the project side during the regulatory database search. Based on distance from the project site, known groundwater gradients, and status of the regulatory listing provided, most of the records do not appear to pose a REC to the project site. However, Table 3.9-2 provides an evaluation of nearby potential RECs that could result in a significant hazard to the public or to the environment.

Table 3.9-2. Evaluation of Nearby Potential Environmental Conditions

Site No.	Site Name and/or Address	Database Listings	Relative Location	Case Status	Flow Direction and Relative Gradient to Project Site	REC?
1	Hudson Element LA UNK AGI Properties Teledyne Controls 12333 West Olympic Boulevard	CPS-SLIC CA SWEEPS UST CA FID UST CA CPS-SLIC RCRA-SQG CA EMI	Adjoining to the east	Open – Site Assessment	Down/cross gradient (local gradients vary)	Yes
2	12210 ½ Nebraska Avenue	CA ENVIROSTAR CA VCP	Adjoining to the north	Open – Site Assessment	Cross-gradient	Yes
3	Boeing Co. - Supercharger Medical Chemical Corporation 1909 Centinela	CA CPS-SLIC CA SWEEPS UST CA HIST UST CA FID UST	Approx. 100 feet south	Closed – NFA received	Downgradient	HREC
4	CSHV Pen Factory	CA ENVIROSTOR CA CPS-SLIC	Approximately ½ mile west	Open – Site Assessment	Cross to downgradient	Yes

Table 3.9-2. Evaluation of Nearby Potential Environmental Conditions

Site No.	Site Name and/or Address	Database Listings	Relative Location	Case Status	Flow Direction and Relative Gradient to Project Site	REC?
	Sanford/Paper Mate Gillette Co 1681 26th Street	FINDS ECHO CA ENF CA HIST CORTESE				
5	Santa Monica City Landfill II	CA WMUDS/SWAT	Approximately ½ mile west	Closed	Downgradient	No

Source: Appendix D
Notes: REC = Recognized Environmental Condition, HREC = Controlled Recognized Environmental Condition

As shown above, Site 5, Santa Monica City Landfill II is listed as "case closed," indicated that although it may have contained leaks or spills of hazardous materials in the past, the leak or spill has been addressed and resolved, and this site is not expected to have an impact on the proposed project site. Site 3 was closed by the LARWQCB, with the assumption that the groundwater contamination at this site would be managed by the City; as such, this site is considered a controlled REC and would not result in a significant hazard to the public or the environment. However, as described in Section 3.9(b) above, Sites 1, 2 and 4 listed in Table 3.9-2 could all potentially pose a hazard to the public or the environment. With implementation of **MM-HAZ-1**, described above, which requires a Phase II ESA, impacts would be reduced to a less-than-significant level.

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, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

No Impact. The proposed project is not located within an airport land use plan. The nearest airport is the Santa Monica Airport, located approximately 1 mile south of the project site. According to the Los Angeles County Airport Land Use Commission (ALUC), the project site is not located within the airport's influence area (ALUC 2003). Therefore, the proposed project would not result in a safety hazard or excessive noise for people residing or working in the project area. No impact would occur.

f) Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less Than Significant Impact. The City of Los Angeles adopted a multi-hazard emergency response plan in order to respond with maximum feasible speed and efficiency to disaster events (City of Los Angeles 1996). Construction of the proposed project would take place on the project site and would occur in one phase, with

half the employees relocated to the Palms Yard and the other half to a LADWP-owned site at Los Angeles World Airports. During operations, the hours of operations of the site would be the same. Although approximately 225 additional employees would be introduced to the site, the operations of the project would not interfere with an adopted emergency response plan or emergency evacuation plan. Department vehicle and emergency vehicle access to and from the site would be provided in both directions from Olympic Boulevard, Centinela Avenue, as well as Nebraska Avenue, to the north of the site. Further, employee vehicle access would be provided in both directions from the southern portion of the site on Nebraska Avenue.

Additionally, the proposed project site is within close proximity to several County-designated disaster routes, which would be utilized for evacuation in a disaster scenario. Namely, Olympic Boulevard is a designated Disaster Route and the I-10 is a designated Freeway Disaster Route (LADPW 2008). Given the above, the project would not interfere with an adopted response plan or emergency evacuation plan. Impacts would be less than significant.

g) Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

Less Than Significant Impact. The project site is located in a highly urbanized area of the City, is fully developed, and surrounded by urban development, all of which precludes the spread of wildland fire (see Section 3.20 for details). The site is not located in a designated Very High Severity Fire Zone (CALFIRE 2011). As such, impacts would be less than significant.

References

ALUC (Los Angeles County Airport Land Use Commission). 2003. Los Angeles County Airport Land Use Plan. Accessed, August 28, 2019. http://planning.lacounty.gov/assets/upl/data/pd_alup.pdf.

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3.10 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?	☐	☐	☒	☐
(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?	☐	☐	☒	☐

a) Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?

Less Than Significant Impact. A significant impact would occur if the proposed project would discharge water that did not meet the water quality standards established by the State Water Resources Control Board (SWRCB) NPDES and waste discharge requirement (WDR) permit programs, and the Los Angeles Regional Water Quality Control Board's (RWQCB) Los Angeles Region Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties (Basin Plan; RWQCB 2019). The proposed project is not anticipated to violate any water quality standard or waste discharge requirement during construction and operation, for the reasons described below.

Construction

Construction activities would be subject to applicable requirements of the SWRCB and RWQCB with respect to control of surface erosion, sedimentation, and runoff quality. LADWP would comply with these requirements. Because construction of the proposed project would result in land disturbance of more than 1 acre, LADWP would be required to obtain coverage under the Construction General Permit (SWRCB Order 2009-0009-DWQ, NPDES No. CAS 000002, as amended), which includes a number of design, management, and monitoring requirements for the protection of water quality and the reduction of construction phase impacts related to stormwater. Coverage under the Construction General Permit requires a qualified individual (as defined by the SWRCB) to prepare a SWPPP to address the potential for construction-related activities to contribute to pollutants within the proposed project's receiving waterways. The SWPPP must be prepared by a Qualified SWPPP Developer (QSD) and must describe the type, location and function of structural measures to alleviate stormwater impacts and must demonstrate that the combination of measures selected are adequate to meet the discharge prohibitions, effluent standards, and receiving water limitations contained in the Construction General Permit. This would ensure that construction activities would not violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality. Additionally, dewatering is not anticipated during construction of the proposed project. LADPW maintains two groundwater wells in the vicinity if the project site, one of which lies 100 feet east of the project site and the other which lies 130 feet west of the project site (Appendix C1). Review of these two wells over the past 30-40 years has recorded groundwater levels between 95.8 feet bgs and 240 feet bgs, and the Geotechnical exploratory borings conducted in 2018 did not encounter the groundwater table up 50 feet bgs at the project site (Appendix C1). Based on these considerations, it is unlikely that the static groundwater table would be encountered during project construction (Appendix C1). The proposed project would include subterranean parking and, as such, excavation would occur to approximately 16 feet bgs. Given the approximate depth of groundwater at the project site, it is unlikely that construction of the proposed project would encounter groundwater; therefore, construction dewatering is not anticipated. Additionally, the proposed project would not include the installation of any

groundwater wells. For these reasons, the proposed project construction is not expected to affect groundwater quality during construction.

Project construction would be comply with the LAMC, Chapter VI, Sections 64.70.01 and 64.72, which require that each operator of any construction activity prepare a LID Plan in compliance with the requirements of the Standard Urban Stormwater Mitigation Plan (SUSMP; City of Los Angeles 2011). Given the above, the proposed project would have a less than significant impact on water quality standards and waste discharge requirements and would not otherwise substantially degrade surface or ground water quality during construction, and no mitigation is required.

Operation

Once operational, the project site would be improved with new buildings, landscaped areas, and paved parking spaces. The site is already developed and mostly impervious; thus, no significant change would occur in terms of the stormwater infiltration on the site when compared to existing conditions.

Additionally, per the requirements established in the LAMC, Chapter VI, Sections 64.70.01 and 64.72, the proposed project would be required to comply with the latest City LID requirements, per the Development Best Management Practices Handbook (City of Los Angeles 2011). The LID Plan would comply with the requirements of the NPDES Municipal Separate Storm Sewer System (MS4) Permit for stormwater and non-stormwater discharges from the MS4 within the coastal watersheds of Los Angeles County (CAS004001, Order No. R4-2012-0175), referred to as the 2012 MS4 Permit.

Project design, construction, and operation would be completed in accordance with the Development Best Management Practices Handbook, with the goal of reducing the amount of pollutants in stormwater and urban runoff (City of Los Angeles 2011). The project would be required to comply with the LID ordinance, which mandates completion of a LID Plan. This plan would include permanent control measures to reduce the long-term impacts of the project on water quality and the tributary waterways. The LID Plan would use site design and stormwater management in order to maintain the site's pre-development runoff rates and volumes.

Compliance with SWPPP and LID features would ensure that the project would not violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality. As such, project impacts would be less than significant and no mitigation is required.

b) Would the project substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

Less Than Significant Impact. According to the Geotechnical Report prepared for the project, the historically (early 1900s) highest groundwater level beneath the project site was approximately 32 feet

below ground surface level (bgs); however, based on current groundwater basin management practices, it is unlikely that groundwater levels will ever reach or exceed historically high levels again (Appendix C1). The LADPW maintains two groundwater wells in the vicinity if the project site, one of which lies 100 feet east of the project site and the other which lies 130 feet west of the project site (Appendix C1). Review of these two wells over the past 30-40 years has recorded groundwater levels between 95.8 feet bgs and 240 feet bgs, and the Geotechnical exploratory borings conducted in 2018 did not encounter the groundwater table up 50 feet bgs at the project site (Appendix C1). Based on these considerations, it is unlikely that the static groundwater table would be encountered during project construction, including construction of the subterranean parking structure (Appendix C1).

Additionally, the project site is located in a highly developed area of the City and would not include the construction or direct use of any wells through which groundwater would be withdrawn from underneath the project site or surrounding area. Although implementation of the proposed project would incrementally increase water consumption at the site, water at the project site would continue to be provided by the LADWP, which receives approximately 12% of its water from groundwater sources (LADWP 2015). As demonstrated in Section 3.19 below, project water needs would be supplied by LADWP's existing water supplies and, as such, the water demand associated with the proposed project would not substantially deplete groundwater supply.

California Department of Water Resources (DWR) is required to prioritize and update California's groundwater basin prioritization in accordance with the requirements of Sustainable Groundwater Management Act (SGMA) and related laws. SGMA requires that groundwater resources be managed sustainably for long-term reliability and multiple benefits for current and future beneficial uses SGMA applies to all California groundwater basins and requires that high- and medium-priority groundwater basins form Groundwater Sustainability Agencies (GSAs) (DWR 2019). DWR is required to prioritize California's 517 groundwater basins and subbasins as either high, medium, low, or very low. The San Fernando Groundwater Basin, which is the primary groundwater source for the City, was determined by DWR to be "Very Low" priority and is therefore not subject to the requirements to prepare form a Groundwater Sustainability Agency to develop a Groundwater Sustainability Plan. Additionally, according to the LADWP UWMP, LADWP continues to invest in stormwater recharge projects by enhancing and enlarging existing stormwater capture facilities. LADWP is also investing in advanced treatment systems to produce purified recycled water for groundwater replenishment, often referred to as indirect potable reuse. These investments will augment the City's groundwater and help ensure that basin water levels remain sustainable for the foreseeable future (LADWP 2015).

Furthermore, under existing conditions, the project site is developed with impervious surfaces and structures, which impede groundwater recharge under existing conditions. The proposed project would include the addition of more landscaped areas, which would allow for increased infiltration and percolation on site and may contribute to increased groundwater recharge at the project site. Given the above, the proposed project would not substantially deplete groundwater supplies or impede groundwater recharge; however, could slightly

enhance groundwater recharge potential at the site through the provision of additional pervious surfaces when compared to existing conditions. As such, impacts would be less than significant.

c) Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in:

i) Substantial erosion or siltation on- or off-site?

Less Than Significant Impact. The project site is located in a developed area with no water bodies on-site or in the immediate surroundings. As such, the project would not result in the alteration of a stream or river. Construction of the Project would result in ground surface disruption during grading and excavation and trenching for the underground parking structure. This could create the potential for increased erosion and siltation to occur at the project site. However, the project would comply with the project-specific SWPPP and the LID Plan so as to minimize erosion and sedimentation during construction.

The project site is already developed with LADWP facilities. During operation, the project site would be covered with buildings, hardscape, and landscaping, and would not result in on-site conditions substantially different from those under existing conditions. As such, the proposed project would maintain the general drainage pattern that prevails under existing conditions and runoff would continue to sheet flow towards the public storm drains located in Bundy Drive and Centinela Avenue (LADPW 2019). Thus, the project is not expected to substantially alter the grade or drainage pattern of the project site in a manner that would result in substantial erosion or siltation and impacts would be less than significant.

ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?

Less Than Significant Impact. As described in Section 3.10(c)(i), the project site is located in a developed area with no water bodies on-site or in the immediate surroundings. As such, the project would not result in the alteration of a stream or river. During construction, the project would result in ground surface disruption during grading and excavation and trenching for the underground parking structure. However, these temporary alterations would be minimal and would not be expected to increase the rate or amount of surface runoff to the extent that flooding would occur. Rather, increased volumes of disturbed/loose soil during construction would assist rainwater infiltration at the site in the unlikely event of rainfall heavy enough to warrant flooding as a result of increased runoff. Additionally, compliance with the project-specific SWPPP that is required per the Construction General Permit, would ensure that flooding on- or off-site is minimized to the extent practicable during construction.

During operation, the proposed project's landscaping would result in slightly less impervious surfaces when compared to existing conditions, which would encourage infiltration at the project site and could slightly reduce

the rate and total amount runoff at the project site. Furthermore, with implementation of the project-specific design standards including a drainage inlet, parkway swale, and drywell system, as well as a LID Plan, development at the project site would not substantially alter drainage patterns onsite, and stormwater would continue to sheet flow towards the public storm drain system located in Bundy Drive and Centinela Avenue (LADPW 2019).

As explained above, project implementation is not anticipated to result in a substantial increase in the rate or amount of surface runoff such that flooding would occur on- or off-site. Impacts would be less than significant.

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?

Less Than Significant Impact. As stated in Section 3.10(c)(i), (ii), and (iii), the proposed project is not anticipated to result in a substantial change in on-site drainage patterns that could create or contribute additional runoff. As such, the proposed project would not exceed the capacity of the existing or planned stormwater drainage system and storm water would continue to sheet flow towards the public storm drain system in Bundy Drive and Centinela Avenue.

During construction of the project, grading and excavation activities, and the use of petroleum and other products, may result in increased polluted runoff at the project site. However, as discussed above, the project would comply with the project-specific SWPPP and LID Plan, which would include BMPs to ensure that impacts from polluted runoff, including stormwater runoff, would be less than significant.

iv) Impede or redirect flood flows?

Less Than Significant Impact. As discussed in 3.10(c)(ii) above, the project is located in Zone X as defined by the FEMA Flood Insurance Rate Map (FEMA 2019). Zone X is considered an area of minimal flooding. As such, the project site is not expected to be subject to flooding in general. Additionally, the proposed project would not include substantial changes to those drainage patterns prevailing under existing conditions, and stormwater would continue to sheet flow to the public stormdrain system located in Bundy Drive and Centineal Avenue in the unlikely event of flooding onsite. As such, impact would be less than significant.

d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?

Less than Significant Impact. As discussed in 3.10(c)(ii) above, the project is located in Zone X as defined by the FEMA Flood Insurance Rate Map (FEMA 2019). Zone X is considered an area of minimal flooding. As such, the project site is not expected to be subject to flooding in general.

The project site is located within a potential inundation area for the Stone Canyon Dam and, in the event of dam failure (usually due to significant seismic activity), the project site could release pollutants as a result of inundation. However, the Stone Canyon Dam is continually monitored and maintained by various governmental agencies, including the State of California Division of Safety of Dams and the U.S. Army Corps of Engineers. Additionally, current design and construction practices, ongoing program reviews, modifications, and total reconstructions of existing dams are specifically intended to ensure that all dams are capable of withstanding the maximum considered earthquake. Therefore, the potential for project inundation as a result of the Stone Canyon Dam failing is considered low (Appendix C1).

Seiches are large waves generated in enclosed bodies of water in response to ground shaking. No major water-retaining structures are located immediately up gradient from the project site and the risk of the project releasing pollutants from a seismically-induced seiche is considered unlikely (Appendix C1). The project site is not located within a tsunami inundation zone (DOC 2019b).

Given the above, the proposed project is not anticipated to risk release of pollutants as a result of inundation from flood, tsunami, or seiche. Impacts would be less than significant.

e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Less Than Significant Impact. The Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties is the Water Quality Control Plan (WQMP) for the Los Angeles Region, which includes the City. The Basin Plan: (i) identifies beneficial uses for surface and ground waters, (ii) includes the narrative and numerical water quality objectives that must be attained or maintained to protect the designated beneficial uses and conform to the State's anti-degradation policy, and (iii) describes implementation programs and other actions that are necessary to achieve the water quality objectives established in the Basin Plan (RWQCB 2014).

With compliance with applicable regulations, including the SWPPP and LID Plan, the proposed project would be consistent with the Federal Clean Water Act, and pursuant to the NPDES Construction General Permit No. 2009-0009-DWQ. Restrictions in this Ordinance are applicable to both construction activities and operations. Additionally, compliance with General Permit issued by the SWRCB would require implementation of BMPs during construction to address the potential for pollutants from entering downstream waters. The project's potential to violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality would be less than significant and no mitigation is required.

California DWR is required to prioritize and update California's groundwater basin prioritization in accordance with the requirements of SGMA and related laws. SGMA requires that groundwater resources be managed sustainably for long-term reliability and multiple benefits for current and future beneficial uses SGMA applies to all California groundwater basins and requires that high- and medium-priority groundwater basins form

GSAs (DWR 2019). DWR is required to prioritize California's 517 groundwater basins and subbasins as either high, medium, low, or very low. The San Fernando Groundwater Basin, which is the primary groundwater source for the City, was determined by DWR to be "Very Low" priority and is therefore not subject to the requirements to prepare form a Groundwater Sustainability Agency to develop a Groundwater Sustainability Plan. Additionally, according to the LADWP UWMP, LADWP continues to invest in stormwater recharge projects by enhancing and enlarging existing stormwater capture facilities. LADWP is also investing in advanced treatment systems to produce purified recycled water for groundwater replenishment, often referred to as indirect potable reuse. These investments will augment the City's groundwater and help ensure that basin water levels remain sustainable for the foreseeable future (LADWP 2015).

Given the above, the project would not conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan. Therefore, the project's impact would be less than significant and no mitigation is required.

References

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LADPW (Los Angeles Department of Public Works). 2019. Los Angeles County Storm Drain System [Geodatabase]. Accessed, August 27, 2019. https://pw.lacounty.gov/fcd/StormDrain/index.cfm.

3.11 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 applicable land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐

a) Would the project physically divide an established community?

No Impact. The proposed project would significantly enhance the workplace quality, safety, functional efficiency, sustainability, and beautification of a site that is already owned and utilized by LADWP. The proposed project includes the replacement of existing structures and would not result in any new infrastructure, such as buildings or roads, that would physically divide an established neighborhood when compared to existing conditions. Thus, project implementation would not result in physical division of any established communities. No impact would occur.

b) Would the project cause a significant environmental impact due to a conflict with any plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

Less than Significant Impact. The project site is zoned (Q)PF-1XL – Public Facilities and designated Public Facilities in the City's General Plan (City of Los Angeles 2019). The project would be consistent with this zoning and designation, and with the site's historic use as an LADWP facility.

The site is also subject to the West Los Angeles Transportation Improvement and Mitigation Specific Plan (Specific Plan). The Specific Plan was adopted as a result of the August 11, 2015 adoption of the new Mobility Element by the Los Angeles City Council and the subsequent adoption of the Street Standard Plan/S-470-1 by the City Planning Commission on August 13, 2015, which put into effect the Mobility Plan 2035. As outlined in the Specific Plan, prior to issuance of any building, grading, or foundation permit, an Applicant for a project shall pay, or guarantee payment of, a Transportation Impact Assessment (TIA) fee to the Los Angeles Department of Transportation (LADOT). The TIA fee shall be for the purpose of funding the transportation improvements outlined in the Specific Plan (City of Los Angeles 2019c). The TIA fee shall be paid or

guaranteed before construction of the project. LADWP would ensure compliance with the West Los Angeles Transportation Improvement and Mitigation Specific Plan by payment of the TIA fee.

Because the use of the project site would remain unchanged, and with payment of the required TIA fee, the proposed project would not conflict with a land use or zoning designation. As such, the project would not result in a significant environmental impact due to a conflict with any applicable land use plan, policy, or regulation. Impacts would be less than significant.

References

City of Los Angeles. 2019a. Zimas. "Planning and Zoning." Web Map Application. Accessed September 22, 2017. http://zimas.lacity.org/

City of Los Angeles. 2019c. West Los Angeles Transportation Improvement and Mitigation Specific Plan. Accessed, August 27, 2019. https://planning.lacity.org/complan/specplan/pdf/wlatimp.pdf.

3.12 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?	☐	☐	☐	☒

a) Would the project 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?

No Impact. The project site is located in an area designated by the DOC as Mineral Resource Zone (MRZ) 1 or MRZ-1. MRZ-1 is defined as an area where adequate information indicates that no significant mineral deposits are present, or where it is judged that little likelihood exists for their presence (DOC 1994). As such, the proposed project is not designated as a known mineral resources site of significance to the State or region and 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 (DOC 1994).

Similarly, there are no recorded oil/gas wells on the project site. As explained in Section 3.9, Hazards and Hazardous Materials, there is one historic well located approximately 360 feet southwest of the project site. The well was operated by the Occidental Petroleum Corporation; however, records indicate that the well was abandoned in 1966 and is currently listed as "plugged" (DOC 2019c; DOC1966). There are no other oil/gas wells within a mile radius of the project site (DOC 2019c). Additionally, the project site is completely developed and paved under existing conditions, which precludes the extraction of mineral resources. Upon project operation, the project site would be fully developed and paved and would not support mineral, oil, or gas extraction activities.

Given the above, the proposed 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. No impact would occur.

b) Would the project 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?

No Impact. The proposed project site is not identified as a locally important mineral resource site delineated on a local general plan, specific plan, or other land use plan (City of Los Angeles 2001). No impact would occur.

References

DOC (California Department of Conservation), Division of Oil, Gas and Geothermal Resources. 1966. Public Well Records (03705734_2019-08-22_DATA). Accessed, August 27, 2019. ftp://ftp.consrv.ca.gov/pub/oil/WellRecord/037/03705734.

DOC (California Department of Conservation), Division of Mines and Geology. 1994. Generalized Mineral Land Classification Map of Los Angeles County – South Half. Aggregate. Accessed August 27, 2019. http://maps.conservation.ca.gov/cgs/informationwarehouse/

DOC (California Department of Conservation), Division of Oil, Gas and Geothermal Resources. 2019c. Well Finder database. Accessed, August 27, 2019. https://maps.conservation.ca.gov/doggr/wellfinder/#openModal/-118.45174/34.03270/15.

City of Los Angeles. 2001. General Plan – Conservation Element. Adopted September 26, 2001. August 27, 2019. https://planning.lacity.org/cwd/gnlpln/consvelt.pdf.

3.13 Noise

Would the project result in:	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 an the vicinity of a private airstrip or 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?	☐	☐	☐	☒

Noise Definitions

Sound is mechanical energy transmitted by pressure waves in a compressible medium, such as air. Noise is defined as sound that is loud, unpleasant, unexpected, or undesired. The sound-pressure level has become the most common descriptor used to characterize the loudness of an ambient sound level. The unit of measurement of sound pressure is a decibel (dB). Under controlled conditions in an acoustics laboratory, the trained, healthy human ear is able to discern changes in sound levels of 1 dB when exposed to steady, single-frequency signals in the mid-frequency range. Outside such controlled conditions, the trained ear can detect changes of 2 dB in normal environmental noise. It is widely accepted that the average healthy ear, however, can barely perceive noise level changes of 3 dB. A change of 5 dB is readily perceptible, and a change of 10 dB is perceived as twice or half as loud. A doubling of sound energy results in a 3-dB increase in sound, which means that a doubling of sound energy (e.g., doubling the volume of traffic on a road) would result in a barely perceptible change in the sound level.

Since the human ear is not equally sensitive to all sound frequencies within the entire spectrum, noise levels at maximum human sensitivity are factored more heavily into sound descriptions in a process called "A-weighting," the measurement of which is expressed as dBA. Hourly average noise levels are usually expressed as dBA L_{eq} or the equivalent noise level over that period of time. Therefore, all sound levels discussed in this section are A-weighted. Because community receptors are more sensitive to noise intrusion during the evening and at night, state law requires that an artificial dBA

increment be added to quiet-time noise levels in 24-hour noise metrics such as the Community Noise Equivalent Level (CNEL) or day-night noise level (L_{dn}).

Existing Noise Conditions

Noise measurements were conducted on and near the project site in October 2017 to characterize the existing noise environment. The daytime, short-term (1 hour or less) attended sound level measurements were taken with a Rion NL-52 sound-level meter. This sound-level meter meets the current American National Standards Institute (ANSI) standard for a Type 1 (precision grade) sound-level meter. The calibration of the sound level meter was verified before and after the measurements were taken, and the measurements were conducted with the microphone positioned approximately five feet above the ground. One long-term measurement was taken with a SoftDB Model Piccolo sound level meter. The Piccolo sound level meter meets the ANSI standard for a Type 2 (general-purpose grade) sound level meter.

Five short-term noise measurement locations (ST1–ST5) and one long-term noise measurement location (LT1) which represent key potential sensitive receptors or sensitive land uses were selected on, adjacent to, or near the project site. The measurement locations are shown in Figure 3.13-1, and the measured average noise levels and measurement locations are provided in Table 3.13-1 and Table 3.13-2. The primary noise sources at the measurement locations consisted of traffic along the adjacent roads. As shown, typical measured daytime noise levels in the project vicinity ranged from approximately 50 dBA L_{eq} (at ST3 and ST4) to approximately 64 dBA L_{eq} (at ST2). Hourly average daytime and nighttime noise levels as measured at site LT1 ranged from approximately 44 dBA L_{eq} during the late-night / early-morning hours to approximately 59 dBA L_{eq} during the afternoon hours.

Table 3.13-1. Short-Term Measured Noise Levels

Receptors	Location/Address	Date	Time	L_{eq}[1] (dBA)	L_{max}[2] (dBA)
ST1	Southwest corner of 1757 Amherst Ave Los Angeles, CA 90025	October 18, 2017	11:54 a.m. – 12:09 p.m.	55.2	71.9
ST2	1761 Wellesley Ave Los Angeles, CA 90025	October 18, 2017	11:12 a.m. – 11:32 a.m.	63.9	90.8
ST3	1752 Wellesley Ave Los Angeles, CA 90025	October 18, 2017	11:35 a.m. – 11:50 a.m.	50.1	65.5
ST4	Western Boundary of Department of Water and Power	October 18, 2017	11:00 a.m. – 11:10 a.m.	50	59.5
ST5	1761 S Carmelina Ave Los Angeles, CA 90025	October 18, 2017	12:13 p.m. – 12:28 p.m.	58.8	75.2

Notes:
1 Equivalent Continuous Sound Level (Time-Average Sound Level)
2 Maximum Noise Level

Table 3.13-2. Long-Term Measured Noise Levels

Date	Time	L_{eq}[1] (dBA)	L_{max}[2] (dBA)
October 18, 2017	11:05 AM	55.4	81.1
October 18, 2017	12:05 PM	56.2	77.3
October 18, 2017	1:05 PM	53.9	75.8
October 18, 2017	2:05 PM	55.2	77.6
October 18, 2017	3:05 PM	59.1	80.4
October 18, 2017	4:05 PM	54.3	74
October 18, 2017	5:05 PM	54.4	78.3
October 18, 2017	6:05 PM	57.8	81.7
October 18, 2017	7:05 PM	52.7	78
October 18, 2017	8:05 PM	50.4	73.8
October 18, 2017	9:05 PM	47.7	61.5
October 18, 2017	10:05 PM	50.7	63
October 18, 2017	11:05 PM	49.2	76.6
October 19, 2017	12:05 AM	43.9	57.4
October 19, 2017	1:05 AM	45.2	57.4
October 19, 2017	2:05 AM	44.4	55.1
October 19, 2017	3:05 AM	45.2	58.1
October 19, 2017	4:05 AM	47	56
October 19, 2017	5:05 AM	50.8	65.1

Notes:
1 Equivalent Continuous Sound Level (Time-Average Sound Level)
2 Maximum Noise Level

City of Los Angeles Noise Ordinance

The City of Los Angeles regulates noise through several sections of its Municipal Code (City of Los Angeles 2016): Section 41.40 (Noise Due to Construction, Excavation Work – When Prohibited), which establishes time prohibitions on noise generated by construction activity; Section 112.04 (Powered Equipment Intended for Repetitive Use in Residential Areas and Other Machinery, Equipment and Devices), which prohibits the use of loud machinery and/or equipment within 500 feet of residences and prohibits noise from machinery, equipment, or other devices that would result in an increase of more than 5 decibels (dB) above the ambient noise level at residences; and Section 112.05 (Maximum Noise Level of Powered Equipment or Powered Hand Tools), which establishes maximum noise levels for powered equipment and powered hand tools (i.e., 75 dBA at a distance of 50 feet for construction, industrial, and agricultural equipment between the hours of 7:00 a.m. and 10:00 p.m.). According to Section 41.40, no construction activity that might create loud noises in or near residential areas or buildings shall be conducted between the hours of

9:00 p.m. and 7:00 a.m. on weekdays, before 8:00 a.m. or after 6:00 p.m. on Saturday and national holidays, or at any time on Sunday.

Approach and Methodology

Noise from the construction phase of the proposed project was estimated using the Federal Highway Administration's (FHWA's) Roadway Construction Noise Model (RCNM; FHWA 2008). Although the model was funded and promulgated by the FHWA, the RCNM is often used for non-roadway projects, because the same types of construction equipment used for roadway projects are also used for other project types. Input variables for the RCNM consist of the receiver/land use types, the equipment type and number of each (e.g., two graders, a loader, a tractor), the duty cycle for each piece of equipment (e.g., percentage of hours the equipment typically works per day), and the distance from the noise-sensitive receiver. No topographical or structural shielding was assumed in the modeling of construction noise. Construction scenario assumptions, including phasing and equipment mix, were based on information provided by the proposed project applicant and the CalEEMod default values developed for the Air Quality/Greenhouse Gas impacts analysis, when proposed project specifics were not known.

Construction noise levels were assessed at two distances for each construction phase: the distance from the nearest noise-sensitive receivers (i.e., residential land uses) to the closest construction activities, and the more typical distance between the nearest noise-sensitive receivers and the "acoustic center" of construction activities (the average distance between the near and far work areas).

a) Would the project 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?

Less Than Significant with Mitigation Incorporated. Existing residential development abuts the project site to the north and northwest. To the south and southwest of the site is an existing industrial site. Existing commercial development and office spaces abut the site to the west and northeast. Residential uses also exist further to the east and to the south of the project site. Noise from on-site construction activities have the potential to expose nearby sensitive receptors to noise levels above established standards. Additionally, operational traffic could potentially result in noise levels exceeding established standards at nearby noise-sensitive land uses.

Construction

During project construction, activities would include demolition, site preparation, grading, paving, erection of structures and architectural coatings. Construction activities would require the use of standard construction equipment such as loaders, dozers, dump trucks, soil compaction equipment, concrete pumps, and cranes. The anticipated number of workers would range from approximately 6 to 11 per day. Construction equipment with

substantially higher noise-generation characteristics (such as pile drivers, rock drills, blasting equipment) would not be necessary for construction of the project.

The range of maximum noise levels for various types of construction equipment at a distance of 50 feet is depicted in Table 3.13-3. The noise values represent maximum noise generation, or full-power operation of the equipment. As an example, a loader and two dozers, all operating at full power and relatively close together, would generate a maximum sound level of approximately 90 dBA at 50 feet from their operating locations. As one increases the distance between equipment, and/or the separation of areas with simultaneous construction activity, dispersion and distance attenuation reduce the effects of separate noise sources added together. In addition, typical operating cycles may involve 2 minutes of full-power operation, followed by 3 or 4 minutes at lower levels. The average noise level during construction activity is generally lower, since maximum noise generation may only occur up to 50% of the time.

Table 3.13-3. Construction Equipment Maximum Noise Emission Levels

Equipment	Typical Sound Level (dBA) 50 Feet from Source
Roller	74
Concrete vibrator	76
Pump	76
Saw	76
Backhoe	80
Air compressor	81
Generator	81
Compactor	82
Concrete pump	82
Crane, mobile	83
Concrete mixer	85
Dozer	85
Grader	85
Impact wrench	85
Loader	85
Pneumatic tool	85
Jackhammer	88
Truck	88
Paver	89

Source: DOT 2006.

The nearest off-site sensitive receptors to the project boundaries are the residences to the north and northwest. The nearest residences to the project site are located approximately 75 feet from the nearest planned construction; more typically, construction activities would take place approximately 300 feet from adjacent

residences[7]. Noise levels from construction activities generally decrease at a rate of 6 dB per doubling of distance away from the activity.

Using the FHWA's RCNM construction noise model and construction information (types and number of construction equipment by phase), the estimated noise levels from construction were calculated for both the relatively brief periods of time during which construction would take place at the nearest source-receiver distances, and during the longer periods of time when construction would take place both near and far from adjacent receivers. The RCNM inputs and outputs are provided in Appendix E.

As presented in Table 3.13-4, the highest noise levels are predicted to occur during demolition activities, when noise levels would be as high as approximately 83 dBA Leq when demolition would take place within approximately 75 feet of residential land uses. More typically, construction activity would range from approximately 57 to 74 dBA Leq. The daytime ambient noise levels for residential locations at these locations as represented by the ST1 and ST2 measurements (see Table 3.13-1), range from approximately 55 to 64 dBA Leq.

Table 3.13-4. Construction Noise Model Results Summary

Construction Phase	Construction Noise at Representative Receiver Distances (L_{eq} (dBA))	
	Nearest Residence (Approx. 75' Away)	*Typical Residence (Approx. 300' Away)*
Demolition	83	74
Site Preparation	77	71
Shoring 1	71	60
Excavation	81	70
Shoring 2	69	57
Concrete Foundations	75	70
Trenching	75	67
Concrete Paving	77	69
Architectural Coating	70	58

Source: Appendix E

Although nearby off-site residences would be exposed to elevated construction noise levels, the exposure would be short term and would cease upon completion of project construction. It is anticipated that construction

[7] Because construction activities would take place both near and far relative to any one noise-sensitive receiver, the concept of the "acoustic center" is used for providing typical construction noise levels. The acoustic center is the idealized point from which the energy sum of all activity noise, near and far, would be centered. The acoustic center is derived by taking the square root of the product of the nearest and the farthest construction noise - receiver distances.

activities associated with the proposed project would take place within the allowable hours per Section 41.40 of the LAMC (7:00 a.m. and 9:00 p.m. Monday through Friday, 8:00 a.m. and 6:00 p.m. on Saturday, and would not at any time on Sunday or on national holidays), and thus would not violate City of Los Angeles standards for construction. However, construction noise levels would be substantially higher than existing ambient daytime noise levels, particularly when construction activities take place in proximity to the nearest adjacent noise-sensitive receivers (as shown in Table 3.13-4). Therefore, temporary noise impacts from construction would be considered potentially significant. The implementation of mitigation measures **MM NOI-1** and **MM NOI-2** would reduce construction noise to less-than-significant levels with mitigation incorporated.

Mitigation Measures

MM-NOI-1 Construction Noise Reduction

1. Construction activities shall not occur between the hours of 9:00 p.m. and 7:00 a.m. Monday through Friday, 6:00 p.m. and 8:00 a.m. on Saturday, or on Sundays or national holidays.
2. Pumps and associated equipment (e.g., portable generators etc.) shall be shielded from sensitive uses using local temporary noise barriers or enclosures, or shall otherwise be designed or configured so as to minimize noise at nearby noise-sensitive receivers.
3. Staging of construction equipment shall not occur within 20 feet of any noise- or vibration-sensitive land uses.
4. All noise-producing equipment and vehicles using internal combustion engines shall be equipped with mufflers; air-inlet silencers where appropriate; and any other shrouds, shields, or other noise-reducing features in good operating condition that meet or exceed original factory specification. Mobile or fixed "package" equipment (e.g., arc-welders, air compressors) shall be equipped with shrouds and noise control features that are readily available for that type of equipment.
5. All mobile or fixed noise-producing equipment used on the project facilities that are regulated for noise output by a local, state, or federal agency shall comply with such regulation while in the course of project activity.
6. Idling equipment shall be kept to a minimum and moved as far as practicable from noise-sensitive land uses.
7. Electrically powered equipment shall be used instead of pneumatic or internal combustion powered equipment, where feasible.
8. Material stockpiles and mobile equipment staging, parking, and maintenance areas shall be located as far as practicable from noise-sensitive receptors.

9. The use of noise-producing signals, including horns, whistles, alarms, and bells, shall be for safety warning purposes only.

Effectiveness of these mitigation measures would vary from several decibels (which in general is a relatively small change) to ten or more decibels (which subjectively would be perceived as a substantial change), depending upon the specific equipment and the original condition of that equipment, the specific locations of the noise sources and the receivers, etc. Installation of a temporary noise barrier, for example, would vary in effectiveness depending upon the degree to which the line-of-sight between the source and receiver is broken, and typically ranges from 5 to 10 dB. Installation of more effective silencers could range from several decibels to well over 10 decibels. Reduction of idling equipment could reduce overall noise levels from barely any reduction to several decibels. Cumulatively, however, these measures would result in substantial decreases in the noise from construction.

MM NOI-2: Notification at Sensitive Receptors

Effective communication with local residents shall be maintained during construction, including keeping them informed of the schedule, duration, and progress of the construction to minimize public complaints regarding noise and vibration levels.

Operations.

On-Site Operational Noise. The proposed project is intended to enhance workplace quality and safety, functional efficacy and efficiency, sustainability, and site beautification. The proposed project would allow for more capacity for housing employees (from 120 currently, to approximately 375 with the proposed project) and more open space for vehicles to prevent congestion of the facility. The project would consolidate the functions currently occupied by six structures on-site (including the district office, warehouse, break room, locker room, and fleet shop) into three new buildings, consisting of a warehouse, district office, and fleet shop. Beneath the proposed new buildings a single-level underground parking structure with a total of 389 parking stalls would be installed. Additionally, the straddle crane located within the existing yard would be relocated toward the southeast section of the District Yard closer to the driveway along Olympic Boulevard. The existing unleaded and diesel fuel tanks would be protected in place in their current location. All fleet vehicle parking (a total of 32 oversized parking spaces), would be located on a surface parking lot. The proposed project operating hours would be unchanged from the current hours.

Although the number of employees assigned to the facility would increase as a result of the proposed project, the employee parking would be relocated to the new underground parking structure; thus, noise from parking lot activities would be reduced compared to existing conditions, in which all parking is at surface level. Similarly, the straddle crane would be relocated approximately 500 feet to the southeast, further from the nearest noise-sensitive land uses (residences to the north). Fleet vehicle parking would be located in the central portion of

the project site, where most of the existing larger fleet vehicles are currently located. Furthermore, the proposed District Yard Office building would act as a structural noise barrier for residences to the north, reducing on-site noise at these noise-sensitive receivers. Based upon these project features, permanent noise from on-site operational noise would be **less than significant**. No mitigation is required.

Off-Site Operational (Traffic) Noise. The proposed project would add passenger vehicle and truck trips along local roadways. According the City of Los Angeles CEQA Thresholds Guide (City of Los Angeles 2006) "A project would normally have a significant impact on noise levels from project operation if the project causes the ambient noise level measured at the property line of an affected use to increase by 3 decibels (dBA) or more in community noise equivalency level (CNEL) to or within the "normally unacceptable" or "clearly unacceptable" category of the noise exposure chart prepared by the California Department of Health Services (DHS), or any 5 dBA or greater noise increase."

The results of the traffic modeling for the existing and existing plus project scenarios are summarized in Table 3.13-5, and the traffic noise model input/output files are located in Appendix E. As shown, the project-related traffic would result in a noise level increase of zero (0) dB CNEL when rounded to whole numbers along the studied roads in the vicinity of the project site. None of the modeled receivers would exceed the 65 dBA CNEL City noise standard (City of Los Angeles 1999) for residences as a result of the increase in Project-related traffic. Additionally, noise increases would be well below the significance threshold of 5 dB. Therefore, traffic related to the proposed project would not exceed any noise standards and would not substantially increase the existing noise levels in the project vicinity, and permanent operational traffic-related noise impacts would be **less than significant**. No mitigation is required.

Table 3.13-5. Traffic Noise (Existing and Existing Plus Project)

Modeled Receptor	**Existing** Noise Level (dBA CNEL)	**Existing Plus** Project Noise Level (dBA CNEL)	**Noise Level Increase** (dB)
ST1	60	60	0
ST2	60	60	0
ST3	48	48	0
ST4	56	56	0
ST5	60	60	0
ST6	53	53	0
ST7	56	56	0
M1	66	66	0
M2	64	64	0
M3	66	66	0
M4	65	65	0

Source: Appendix E.

The noise level increases associated with additional traffic volumes under future without project traffic conditions and future with project traffic conditions are summarized in Table 3.13-6. None of the modeled receivers would exceed the 65 dBA CNEL City noise standard as a result of the increase in project-related traffic. The noise level increases associated with the project under future traffic conditions would be 1 dB or less (rounded to whole numbers). Therefore, traffic related to the proposed project would not exceed any noise standards and would not substantially increase the existing noise levels in the project vicinity. Permanent operational traffic-related noise impacts would be **less than significant**. No mitigation is required.

Table 3.13-6. Traffic Noise (Future and Future Plus Project)

Modeled Receptor	Future without Project Noise Level (dBA CNEL)	Future Plus Project Noise Level (dBA CNEL)	Noise Level Increase (dB)
ST1	60	61	1
ST2	61	61	0
ST3	49	49	0
ST4	57	57	0
ST5	61	61	0
ST6	54	54	0
ST7	58	58	0
M1	67	67	0
M2	66	66	0
M3	67	67	0
M4	66	66	0

Source: Appendix E.

b) Would the project result in generation of excessive groundborne vibration or groundborne noise levels?

Less Than Significant Impact. Construction activities that might expose persons to excessive groundborne vibration or groundborne noise could cause a potentially significant impact. Caltrans has collected groundborne vibration information related to construction activities (Caltrans 2013). Information from Caltrans indicates that continuous vibrations with a peak particle velocity of approximately 0.1 inch/second begin to annoy people. The heavier pieces of construction equipment, such as bulldozers, would have peak particle velocities of approximately 0.089 inch/second or less at a distance of 25 feet (DOT 2006). Groundborne vibration is typically attenuated over short distances.

Groundborne vibration is typically attenuated over short distances. At the distance from the nearest residence to the construction area (approximately 65 feet) and with the anticipated construction equipment, the peak particle velocity would be approximately 0.021 inch/second. At the closest sensitive receptors, vibration levels would not exceed the vibration threshold of potential annoyance of 0.1 inch/second. Thus, vibration impacts at sensitive receptor locations to a **less than significant** level. No mitigation measures are necessary.

The major concern with regard to construction vibration is related to building damage. Construction vibration as a result of the proposed project would not result in structural building damage, which typically occurs at vibration levels of 0.5 inch/second or greater for buildings of reinforced-concrete, steel, or timber construction. The heavier pieces of construction equipment used would include typical construction equipment for this type of project such as backhoes, front-end loaders and flat-bed trucks. Pile driving, blasting, or other special construction techniques would not be used for construction of the proposed project; therefore, excessive groundborne vibration and groundborne noise would not be generated. Once operational, the project would not generate significant levels of groundborne vibration. As such, no building damage would be expected to occur as a result of project-related vibration during construction.

c) Would the project be 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. The proposed project is not located within an airport land use plan (Los Angeles County 2004). The nearest airport is Santa Monica Municipal Airport, located approximately 1.1 miles to the south of the project site. Based upon the County of Los Angeles Comprehensive Land Use Plan, the project site is not within the Santa Monica Municipal Airport's Influence Area. Further, the proposed project is not located in the vicinity of a private airstrip (Airnav.com 2018). Thus, the proposed project would not expose people residing or working in the project area to excessive noise levels from an airport or a private airstrip. Noise impacts would thus be **less than significant**.

References

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U.S. Department of Transportation (DOT), Federal Transit Administration, Office of Planning and Environment. 2006. FTA-VA-90-1003-06. Transit Noise and Vibration Impact Assessment. (Prepared under contract by Harris, Miller, Miller and Hanson). Burlington, MA.

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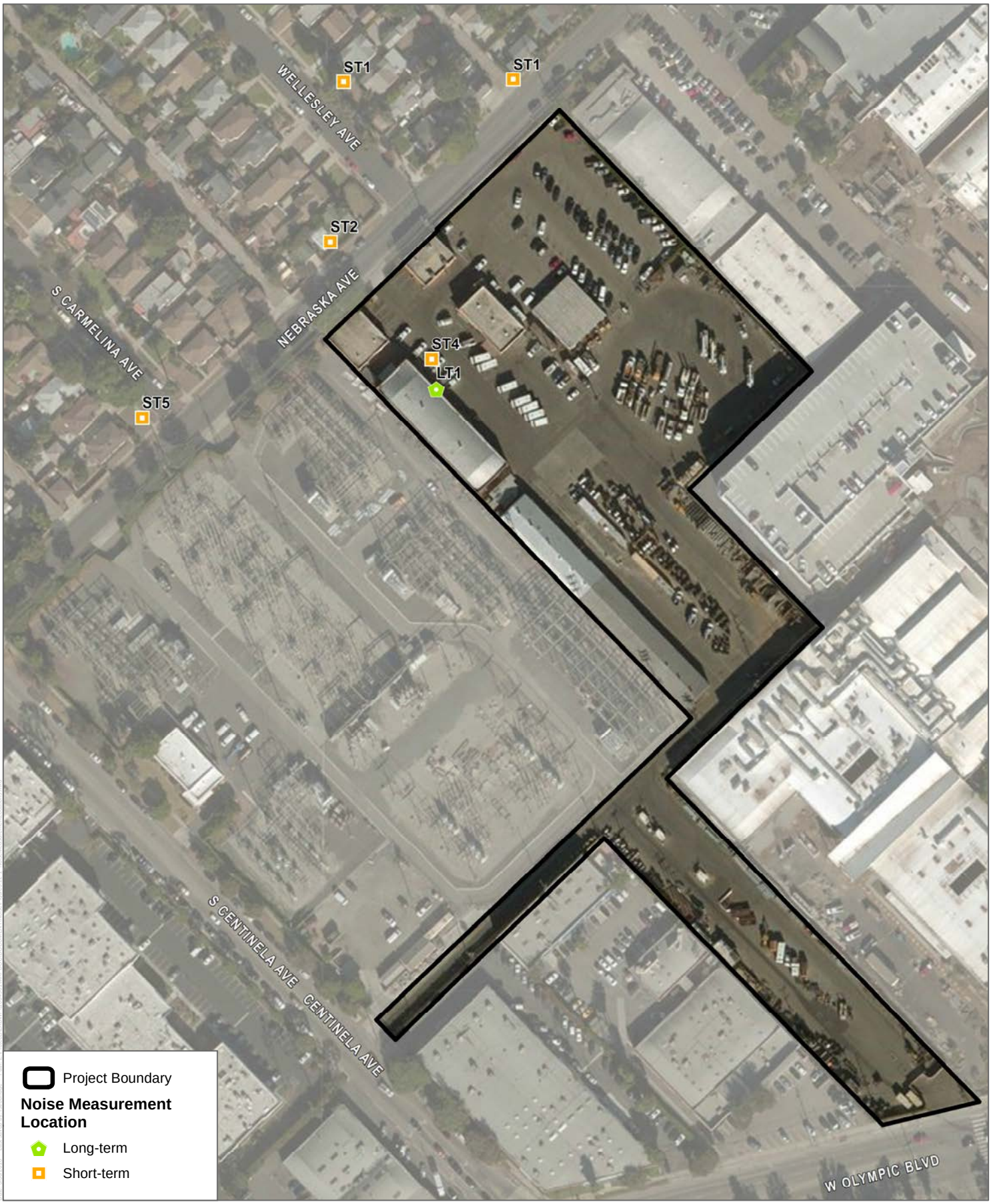

SOURCE: Bing Maps 2018; Los Angeles County 2011

DUDEK

0 75 150 Feet

FIGURE 3.12-1

Noise Measurement Locations

LADWP West LA Yards

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3.14 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?	☐	☐	☐	☒

a) Would the project 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)?

Less Than Significant Impact. The purpose of this project is to significantly enhance the LADWP West Los Angeles District Yard workplace quality, safety, functional efficiency, sustainability, and site beautification. As such, the project would involve facility improvements at a site that already houses LADWP facilities.

During project construction, construction workers will be present at the site every day. However, the project site is located in the City of Los Angeles and construction workers would most likely come from the surrounding metropolitan area. Therefore, project construction is not anticipated to result in direct or indirect substantial unplanned population growth.

Currently, 120 total employees are assigned to the existing facility. Upon buildout of the project, an additional 225 employees would be assigned to this facility, resulting in a total of 375 employees operating out of the proposed LADWP District Yard. Because the proposed project would be located in the densely populated Los Angeles metropolitan area, it is anticipated that the jobs at the project site would be filled by City residents or by residents of neighboring cities. In the unlikely event that some of the new employees were to relocate to the City upon obtaining a job at the project site, the correlated population growth would be negligible relative to the City's existing and projected population. For the reasons described above, the proposed project is not anticipated to induce substantial unplanned population growth in the area. Additionally, the proposed project would not include the construction of any major infrastructure or other components that would result in unprecedented indirect population growth in the City. Therefore, impacts would be less than significant

b) Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

No Impact. There is no existing housing within the project site, and the proposed project would not involve the removal of construction of any housing. The project site is currently used as a LADWP facility and would continue to be used as such upon project operation. No impact would occur.

References

None.

3.15 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:				
Fire protection?	☐	☐	☒	☐
Police protection?	☐	☐	☒	☐
Schools?	☐	☐	☒	☐
Parks?	☐	☐	☒	☐
Other public facilities?	☐	☐	☒	☐

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:

Fire Protection

Less Than Significant Impact. Fire protection for the proposed project site is provided by the City of Los Angeles Fire Department (City of Los Angeles 2017a). The proposed project would introduce approximately 225 additional employees on site during operations. The project site would be served by Fire Station 59, located approximately 0.9-mile east of the site. From January to July 2019, operational response times for Station 59 averaged from 5 minute and 46 seconds for critical Advanced Life Support (ALS) calls to 6 minutes and 2

seconds for calls to structural fires, and 6 minutes and 28 seconds for calls for emergency medical services (City of Los Angeles 2019d).

Although the project would result in the addition of approximately 225 employees on site, it is expected that new employees would already reside in the surrounding Los Angeles metropolitan area. As, such the project is not expected to induce substantial population such that the need for additional fire protection services or facilities would be required.

Additionally, the proposed project would provide emergency access to the site in accordance with the applicable fire code, which includes requirements for adequate fire flows, width of emergency access routes, turning radii, automatic sprinkler systems, fire alarms, and floor to sky height limits along emergency access routes. Due to the incremental increase of employees on site, the project is not expected to lead to an increase in calls for fire protection services. As such, and with compliance with all applicable fire codes and regulations, impacts to fire services would be less than significant.

Police Protection

Less Than Significant Impact. Police protection for the proposed project site is provided by the City of Los Angeles Police Department, and more specifically by the West LA Community Police Station located at 1663 Butler Avenue, located approximately 0.8-mile northeast of the project site (City of Los Angeles 2019e).

The project proposes the construction of a commercial, office structure, which is not a land use typically associated with the need for police protection. Although the project would result in the addition of approximately 225 employees on site, it is expected that new employees would already reside in the surrounding City of Los Angeles metropolitan area. As, such the project is not expected to induce substantial population such that the need for additional police protection services or facilities would be required.

Additionally, as shown in Figure 2-1, Site Plan, the proposed project would include some Crime Prevention through Environmental Design (CPTED) features, such as security gates, which would be constructed at each access point to the site along Nebraska Avenue. As such, the proposed project is not expected to warrant the need for additional police protection services. Impacts would be less than significant.

Schools

Less Than Significant Impact. The proposed project would not generate increased demand for school services. Although the project would result in an incremental increase in the number of employees on site, new employees are expected to already reside in the surrounding Los Angeles metropolitan area. Thus, the project would not lead to substantial population growth such that the associated increase in student enrollment would result in the need for new or physically altered school facilities. Impacts would be less than significant.

Parks

Less Than Significant Impact. The nearest park to the project site is the Stoner Recreation Center, located approximately 0.3-mile northeast of the project site. During construction, the proposed project would introduce an average of nine daily construction workers to the project site and, as such, no additional use of nearby park facilities is anticipated during project construction.

Upon operation, 225 additional employees would operate out of the new LADWP facility, resulting in a total of 375 on-site employees. The additional 225 employees would most likely reside in the surrounding Los Angeles Metropolitan area, and as such, project operation is not expected to lead to population growth such that an increase in the use of existing neighborhood or regional parks or other recreational facilities would occur. Impacts would be less than significant.

Other Public Facilities

No Impact. The proposed project would not generate a direct demand for other public facilities. Although the project would result in an increased amount of employees on site, this increase would be minimal. Further, it is expected that these additional employees would reside in the surrounding Los Angeles metropolitan area. Thus, the proposed project would not directly or indirectly induce population growth in the area such that new or physically altered governmental facilities would be required to adequately provide services. Impacts would be less than significant.

References

City of Los Angeles. 2019a. Zimas. "Public Safety." Web Map Application. Accessed August 27, 2019. http://zimas.lacity.org/.

City of Los Angeles. 2019d. Los Angeles Fire Department – Fire Stat LA (beta). Web Application. Accessed August 27, 2019. http://www.lafd.org/fsla/stations-map?st=571&year=2019.

City of Los Angeles. 2019e. Los Angeles Police Department [webpage]. Accessed, August 27, 2019. http://www.lapdonline.org/west_la_community_police_station.

3.16 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?	☐	☐	☒	☐

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?

Less Than Significant Impact. The nearest park to the project site is the Stoner Recreation Center, located approximately 0.3-mile northeast of the project site. During construction, the proposed project would introduce an average of nine daily construction workers to the project site and, as such, no additional use of nearby park facilities is anticipated during project construction.

Upon operation, 225 additional employees would operate out of the new LADWP facility, resulting in a total of 200 on-site employees. The additional 225 employees would most likely reside in the surrounding Los Angeles Metropolitan area, and as such, project operation is not expected to lead to population growth such that an increase in the use of existing neighborhood or regional parks or other recreational facilities would occur. Impacts would be less than significant.

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?

Less Than Significant Impact. The proposed project would not generate a demand for parks, nor would it lead directly or indirectly to substantial population growth such that the construction or expansion of recreation facilities would be required. The proposed project does not include the construction of any recreational facilities, which might have an adverse physical effect on the environment. As such, impacts would be less than significant.

References

None.

3.17 Transportation and Traffic

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?	☐	☐	☒	☐

A traffic impact study was conducted for the proposed project by Linscott, Law, and Greenspan Engineers and is included as Appendix F of this document. The traffic analysis follows the City of Los Angeles traffic study guidelines and is consistent with the traffic impact assessment guidelines set forth in the Los Angeles County Congestion Management Program. The City of Los Angeles Department of Transportation has reviewed and approved the Transportation Impact Study (TIS). A copy of LADOT's Assessment Letter of the TIS is also included in Appendix F.

Eight intersections were defined for analysis in the TIS. They include:

1. Centinela Avenue/Nebraska Avenue
2. Centinela Avenue (West)/Olympic Boulevard
3. Centinela Avenue (East)/Olympic Boulevard
4. Bundy Drive/Nebraska Avenue
5. Bundy Drive/Olympic Boulevard
6. Bundy Drive/Pico Boulevard

7. Bundy Drive/Idaho Avenue
8. Centinela Avenue/Exposition Boulevard

Seven of the study intersections selected are for analysis are currently controlled by traffic signals, with the remaining one study intersection, Bundy Drive/Nebraska Avenue, controlled with a stop sign. The existing roadway configurations and intersection controls at the study intersections are displayed in Figure 3.17-1, Existing Lane Configurations)

Study Scenarios

Traffic impacts at the study intersections were analyzed for the following conditions:

a. Existing conditions
b. Existing with project conditions.
c. Condition (b) with implementation of project mitigation measures, where necessary.
d. Condition (a) plus one percent (1.0%) annual ambient traffic growth through year 2025 and with completion and occupancy of the related projects (i.e., future without project conditions).
e. Condition (d) with completion and occupancy of the proposed project.
f. Condition (e) with implementation of project mitigation measures, where necessary.

Traffic Impact Analysis Methodology

The study intersections were evaluated using the Critical Movement Analysis (CMA) method of analysis which determines Volume-to-Capacity (V/C) ratios on a critical lane basis. The overall intersection V/C ratio is subsequently assigned a Level of Service (LOS) value to describe intersection operations. Level of Service varies from LOS A, representing free-flow conditions, to LOS F, representing a jammed condition.

Impact Criteria and Thresholds

The relative impact of the added project traffic volumes to be generated by the proposed project during the weekday AM and PM peak hours was evaluated based on analysis of existing and future operating conditions at the study intersections, without and with the proposed project. The previously discussed capacity analysis procedures were utilized to evaluate the future V/C relationships and service level characteristics at each study intersection.

The significance of the potential impacts of project-generated traffic was identified using the traffic impact criteria set forth in LADOT's Transportation Impact Study Guidelines, from December 2016. According to the City's published traffic study guidelines, the impact is considered significant if the project-related increase in the v/c ratio equals or exceeds the thresholds presented in Table 3.17-1.

Table 3.17-1. City of Los Angeles Intersection Impact Threshold Criteria

Final V/C	Level of Service	Project Related Increase in V/C
0.71 to 0.80	C	equal to or greater than 0.04
0.81 to 0.90	D	equal to or greater than 0.02
0.91 or more	E / F	equal to or greater than 0.01

Source: Appendix F

The City's Sliding Scale Method requires mitigation of project traffic impacts whenever traffic generated by the proposed development causes an increase of the analyzed intersection V/C ratio by an amount equal to or greater than the values shown in Table 3.17-1.

Existing Traffic Volumes

Manual counts of vehicular turning movements were conducted at each of the study intersections during the weekday AM and PM commute periods to determine the peak hour traffic volumes. The weekday peak hour manual counts of vehicle movements at the study intersections are summarized in Table 3.17-2. Figure 3.17-2 and Figure 3.17-3 illustrate the Existing Traffic Volumes for weekday AM and PM peak hours, respectively.

Table 3.17-2. Existing Traffic Volumes

No.	Intersection	Date	DIR	AM Peak Hour		PM Peak Hour	
				Began	*Volume*	*Began*	*Volume*
1	Centinela Avenue/Nebraska Avenue	11/16/2017	NB	8:30	1,122	5:00	750
			SB		557		681
			EB		159		461
			WB		83		142
2	Centinela Avenue (West)/Olympic Boulevard	11/16/2017	NB	8:00	0	5:00	0
			SB		587		1,015
			EB		759		1,169
			WB		2,192		1,540
3	Centinela Avenue (East)/Olympic Boulevard	11/16/2017	NB	8:15	906	4:45	538
			SB		17		35
			EB		1,235		2,142
			WB		1,627		1,129
4	Bundy Drive/Nebraska Avenue	11/16/2017	NB	8:00	1,269	4:00	1,375
			SB		1,370		1,043
			EB		95		197
			WB		0		0
5	Bundy Drive/Olympic Boulevard	11/16/2017	NB	8:00	1,370	4:30	1,214
			SB		1,171		929

Table 3.17-2. Existing Traffic Volumes

No.	Intersection	Date	DIR	AM Peak Hour		PM Peak Hour	
				Began	*Volume*	*Began*	*Volume*
			EB		967		1,496
			WB		1,859		1,694
6	Bundy Drive/Pico Boulevard	11/16/2017	NB	8:00	1,697	4:45	1,480
			SB		1,221		1,359
			EB		1,049		1,284
			WB		1,046		729
7	Bundy Drive/Idaho Avenue	06/26/2019	NB	8:45	1,136	4:30	1,266
			SB		1,385		1,231
			EB		225		447
			WB		315		167
8	Centinela Avenue/Exposition Boulevard	06/26/2019	NB	8:45	811	4:30	486
			SB		506		917
			EB		6		3
			WB		154		54

Source: Appendix F

Future Traffic Volumes

To provide a highly conservative estimate of future pre-project traffic volumes, a forecast of on-street traffic conditions prior to occupancy of the proposed project was prepared by incorporating the potential trips associated with other known development projects (related projects) in the area. Figure 3.17-4 illustrates the location of related projects. Traffic volumes expected to be generated by the related projects were calculated using rates provided in the Institute of Transportation Engineers' (ITE) *Trip Generation Manual*. The related projects' respective traffic generation for the weekday AM and PM peak hours, as well as on a daily basis for a typical weekday, are provided in Appendix F. Figure 3.17-5 and Figure 3.17-6 illustrate the Related Projects Traffic Volumes for the AM and PM peak hour, respectively. To account for area-wide regional growth, the existing traffic volumes were increased at an annual rate of one percent (1.0%) to the year 2025. The ambient growth factor was based on general traffic growth factors provided in the *2010 Congestion Management Program for Los Angeles County* and determined in consultation with City staff. The future cumulative baseline conditions were forecast based on the addition of traffic generated by the completion and occupancy of related projects, as well as the growth in traffic due to the combined effects of continuing development, intensification of existing developments and other factors (i.e., ambient growth). Figure 3.17-7 and Figure 3.17-8 illustrate the Future without Project traffic volumes for weekday AM and PM peak hours, respectively.

Existing Conditions

As shown in column [1] of Table 3.16-5, seven of the eight study intersections are presently operating at LOS D or better during the weekday AM and PM peak hours. The intersection of Bundy Drive/Pico Boulevard (intersection 6) is expected to operate at LOS E during both the AM and PM peak hours shown in Table 3.17-4.

- Int. No. 6: Bundy Drive/Pico Boulevard — AM Peak Hour: v/c=0.927, LOS E
  PM Peak Hour: v/c=0.948, LOS E

Future Conditions

The V/C ratios at all of the study intersections are incrementally increased with the addition of ambient traffic and traffic generated by the related projects listed in Table 6-1 of Appendix F. As presented in column [3] of Table 3.17-4, six of the eight study intersections are expected to continue operating at LOS D or better during the weekday AM and PM peak hours with the addition of growth in ambient traffic and related projects traffic under the future without project conditions. The following study intersections are expected to operate at LOS E or F during the peak hours shown below with the addition of ambient growth traffic and traffic due to the related projects:

- Int. No. 5: Bundy Drive/Olympic Boulevard — AM Peak Hour: v/c=0.965, LOS E
- Int. No. 6: Bundy Drive/Pico Boulevard — AM Peak Hour: v/c=1.072, LOS F
  PM Peak Hour: v/c=1.099, LOS F

a) ***Would the project conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?***

Less-Than-Significant Impact. The following section provides an analysis of project traffic and its impact to the circulation system.

Project Trip Generation

Due to the nature of the project's land use components, operations, and unique hours of operation, it was determined in consultation with City staff that it would be appropriate to forecast the trips generated by the project based on site-specific trip generation rates rather than trip rates published in the ITE Trip Generation Manual. The number of existing vehicle trips arriving and departing the site during the peak hours was determined, and when compared to the existing overall number of LADWP West Los Angeles Yard employees, site-specific trip generation rates (i.e., on a per employee basis) were derived for the site. Appendix F provides

further details of project's trip generation rates and forecast that was developed by LLG and approved by LADOT staff.

Table 3.17-3 shows projected traffic generation forecasts. As shown in this table, the proposed project would the proposed project is expected to generate a net increase of 52 vehicle trips (24 inbound trips and 28 outbound trips) during the weekday AM peak hour. During the weekday PM peak hour, the proposed project is expected to generate a net increase of 59 vehicle trips (12 inbound trips and 47 outbound trips). Over a 24-hour period, the proposed project is forecast to generate a net increase of 525 daily trip ends during a typical weekday (approximately 263 inbound trips and 263 outbound trips).

Table 3.17-3. Project Trip Generation

Land Use	Variable/Size	Daily Trip Ends [2] Volumes	AM Peak Hour Volumes [4]			PM Peak Hour Volumes [4]		
			In	*Out*	*Total*	*In*	*Out*	*Total*
Trip Generation Rates[[1]								
Existing West LA District Yard[2]	Per Employee	2.644	22%	78%	0.249	21%	79%	0.283
General Office Building	Per Employee	3.28	83%	17%	0.37	20%	80%	0.40
Project Trip Generation[3]								
Proposed Project								
West LA Yard[2]	315 Employees	833	17	61	78	18	70	88
Service Planning Center	60 Employees	197	18	4	22	5	19	24
Subtotal Proposed Project		1,030	35	65	100	23	89	112
Existing Uses								
West LA District Yard[2]	191 Employees	(505)	(11)	(37)	(48)	(11)	(42)	(53)
Net New Vehicle Trips (Proposed-Existing)		525	24	28	52	12	47	59

Source: Appendix F ___
Notes:
1 Source: ITE "Trip Generation Manual", 10th Edition, 2017, except as noted below
2 The trip generation forecast for the DWP West LA yard operations is based on empirical trip rates derived from observations of the existing DWP yards. Refer to Appendix Table C for derivation of the empirical trip rates.
3 Projected employment totals 375 employees per the LADWP project description (June 2019) which includes 315 West LA Yard employees plus 60 employees that will work in the new 8,531 square-foot Service Planning Center to be constructed on-site.
4 Trips are one-way traffic movements, entering or leaving.

Project Traffic Distribution and Assignment

Project traffic volumes both entering and exiting the site were distributed and assigned to the adjacent street system based on the following considerations:

- The site's proximity to major traffic corridors (i.e., Santa Monica Boulevard, Olympic Boulevard, Pico Boulevard, Centinela Avenue, etc.);
- Expected localized traffic flow patterns based on adjacent roadway channelization and presence of traffic signals;
- Existing intersection traffic volumes;
- Existing site parcel access ingress/egress schemes;
- Nearby population and employment centers; and
- Input from LADOT staff.

The project traffic volume distribution percentages during weekday AM and PM peak hours at the study intersections are illustrated in Figure 3.17-9. The forecast net new project traffic volumes at the study intersections for the weekday AM and PM peak hours are displayed in Figure 3.17-10 and Figure 3.17-11, respectively.

Existing with Project Conditions

Existing with Project Conditions analysis are presented in column [2] of Table 3.17-4. Figure 3.17-12, and Figure 3.17-13 illustrate the Existing with Project Traffic Volumes for Weekday AM and PM peak hours, respectively. As shown in Table 3.17-4, the project is not expected to create significant impacts at any of the eight study intersections. Impacts at all six intersections during Existing With Project Conditions would be **less than significant i**mpacts. No mitigation would be required.

Future with Project Conditions

Future with Project Conditions are presented in Column [4] of Table 3.17-4. Figure 3.17-14 and Figure 3.17-15 illustrate the Future with Project (existing, ambient growth, related projects and project) Traffic Volumes for Weekday AM and PM peak hours, respectively. As shown in Table 3.17-4, application of the City's threshold criteria to the Future with Proposed Project scenario indicates that the proposed project is not expected to create significant impacts at any of the eight study intersections. As such, impacts would be **less than significant**. No mitigation would be required.

Project Construction traffic

It is assumed that an average of 12 workers would be present daily during demolition activities and an average of 30 workers per day would be present during construction activities. Construction of the proposed project would require

the removal of approximately 100,000 cubic yards of soil, which would be exported from the site via haul trucks. Excavation is anticipated to last approximately five months and would require a total of approximately 5,000 total haul truck loads, assuming each truck would haul 20 cubic yards of soil, which would equate to approximately 50 truckloads per day (i.e., 100 truck trips per day). It is assumed that two to four daily vendor trips would be required, on average, during construction of the project. As such, the construction traffic would not exceed the net new project trips estimated in Table 3.17.3. Therefore, construction related project traffic would not create significant impacts at any of the eight study intersections. As such, impacts would be **less than significant**. The proposed project would comply with best management practices and work site traffic control plan per DOT Western District Operations Office requirement for the duration of project's construction.

Congestion Management Program

The applicable congestion management program (CMP) for the project area and the surrounding metropolitan area is the Los Angeles County Metropolitan Transportation Authority's 2010 CMP. This program monitors and sets performance indicators for a transportation network of numerous highway segments, freeways, and key roadway intersections throughout Los Angeles County (called the CMP Highway and Roadway System). The CMP requires analysis of a project's effects on CMP facilities if the project would add 50 or more trips to a CMP intersection or more than 150 trips to a CMP mainline freeway in either direction during the AM or PM weekday peak hours. As discussed in the Traffic Impact Study (Appendix F), the project is not expected to add 50 or more trips during either weekday AM or PM peak hours at CMP monitoring intersections. Further, the project is not expected to add 150 or more trips (in either direction) during either the weekday AM or PM peak periods to CMP mainline freeway monitoring locations. No further analysis of CMP intersections or freeway mainline segments is required per the Los Angeles County CMP guidelines, indicating that the project trip generation falls below the thresholds established in the CMP and is, therefore, not anticipated to result in significant impacts at CMP monitoring locations. As such, impacts to the CMP would be **less than significant**.

Table 3.17-4. Summary of Volume to Capacity Ratios and Levels of Service – Weekday AM and PM Peak Hours

No	Intersection	Peak Hour	[1]		[2]				[3]		[4]			
			Year 2019 Existing		*Year 2019 Existing With Project*		*Change V/C or Delay [(2)-(1)]*	*Signif. Impact [a]*	*Year 2025 Future Pre-Project*		*Year 2025 Future w/ Proposed Project*		*Change V/C or Delay [(4)-(3)]*	*Signif. Impact [a]*
			V/C or delay	*LOS*	*V/C or delay*	*LOS*			*V/C or delay*	*LOS*	*V/C or delay*	*LOS*		
1	Centinela Avenue/Nebraska Avenue	AM	0.613	B	0.617	B	0.004	No	0.713	C	0.717	C	0.004	No
		PM	0.743	C	0.748	C	0.005	No	0.891	D	0.895	D	0.004	No
2	Centinela Avenue (West)/ Olympic Boulevard	AM	0.654	B	0.657	B	0.003	No	0.753	C	0.756	C	0.003	No
		PM	0.617	B	0.617	B	0.000	No	0.846	D	0.846	D	0.000	No
3	Centinela Avenue (East)/ Olympic Boulevard	AM	0.582	A	0.600	A	0.018	No	0.772	C	0.788	C	0.016	No
		PM	0.573	A	0.600	A	0.027	No	0.767	C	0.794	C	0.027	No
4	Bundy Drive/Nebraska Avenue	AM	0.748	C	0.758	C	0.010	No	0.877	D	0.886	D	0.009	No
		PM	0.717	C	0.723	C	0.006	No	0.851	D	0.857	D	0.006	No
5	Bundy Drive/Olympic Boulevard	AM	0.803	D	0.804	D	0.001	No	0.965	**E**	0.968	**E**	0.003	No
		PM	0.695	B	0.696	B	0.001	No	0.879	D	0.881	D	0.002	No
6	Bundy Drive/Pico Boulevard	AM	0.927	E	0.928	E	0.001	No	1.072	**F**	1.072	**F**	0.000	No
		PM	0.948	E	0.949	E	0.001	No	1.099	**F**	1.101	**F**	0.002	No
7	Bundy Drive/Idaho Avenue	AM	0.677	B	0.678	B	0.001	No	0.807	D	0.808	D	0.001	No
		PM	0.591	A	0.591	A	0.000	No	0.723	C	0.724	C	0.001	No
8	Centinela Avenue/Exposition	AM	0.546	A	0.549	A	0.003	No	0.723	C	0.727	C	0.004	No
		PM	0.469	A	0.470	A	0.001	No	0.676	B	0.677	B	0.001	No

Source: Appendix F
[a] The City of Los Angeles intersection impact threshold criteria are listed in Table 3.17-1 of this IS/MND

Transit Impact Review

Public bus and rail transit service is provided near the project site is currently provided by Los Angeles County Metropolitan Transit Authority (Metro) and City of Santa Monica Big Blue Bus. The Metro Expo Line is also provided in close proximity to the project site with the nearest station at Bundy Drive/Exposition Boulevard (i.e., Expo/Bundy station). A summary of the existing transit service, including the transit route, destinations, and peak hour headways is shown in Table 3.17-5. Figure 3.17-16 illustrates the Existing Public Transit Routes.

Table 3.17-5. Existing Transit Routes

Route	Destinations	Roadways(s) Near Site	No. of Buses/Trains During Peak Hours		
			DIR	*AM*	*PM*
Big Blue Bus Route 5	Santa Monica to Palms via West Los Angeles, Rancho Park, Century City and Cheviot Hills	Centinela Avenue, Bundy Drive, Olympic Boulevard	EB	3	3
			WB	3	3
Big Blue Bus Route 7	Santa Monica to Koreatown via West Los Angeles, Century City and Mid City	Bundy Drive, Pico Boulevard	EB	4	4
			WB	7	4
Big Blue Bus Rapid 7	Santa Monica to Koreatown via West Los Angeles, Century City and Mid City	Bundy Drive, Pico Boulevard		4	4
				4	4
Big Blue Bus Rapid 10	Santa Monica to Downtown Los Angeles via West Los Angeles	Bundy Drive, Pico Boulevard	EB	2	0
			WB	0	2
Big Blue Bus Route 14	Playa Vista to Brentwood via Culver City, Mar Vista and West Los Angeles	Bundy Drive, Nebraska Avenue, Olympic Boulevard, Pico Boulevard	NB	4	4
			SB	4	4
Big Blue Bus Route 15	West Los Angeles to Brentwood	Bundy Drive, Olympic Boulevard, Pico Boulevard	NB	3	3
			SB	2	3
Metro Expo Line	Downtown Los Angeles to Santa Monica via Exposition Park, Jefferson Park, West Adams, Culver City, Century City, and West Los Angeles	Bundy Drive, Olympic Boulevard	EB	10	10
			WB	10	10
			Total	**60**	**58**

Source: Appendix F

The Traffic Impact Study (Appendix F) analyzed potential impacts the project would place on transit service, as required by the 2010 CMP. As outlined Table 3.17-6, these seven transit lines provide services for an average of (i.e., average of the directional number of buses/trains during the peak hours) roughly 60 and 58 buses/trains during the weekday AM and PM peak hours, respectively.

The project trip generation, was adjusted by values set forth in the CMP (i.e., person trips equal 1.4 times vehicle trips, and transit trips equal 3.5 percent of the total person trips) to estimate transit trip generation. Pursuant to the CMP guidelines, the proposed project is forecast to generate demand for 3 transit trips during both the weekday AM and PM peak hours. Over a 24-hour period, the proposed project is forecast to generate demand for 26 daily transit trips. The calculations are as follows:

- Weekday AM Peak Hour = 52 × 1.4 × 0.035 = 3 Transit Trips
- Weekday PM Peak Hour = 59 × 1.4 × 0.035 = 3 Transit Trips
- Weekday Daily Trips = 525 × 1.4 × 0.035 = 26 Transit Trips

Therefore, based on the above calculated weekday AM and PM peak hour this would correspond to less than one additional transit rider per bus. It is anticipated that the existing transit service in the project area will adequately accommodate the increase of project-generated transit trips. Thus, given the number of project-generated transit trips per bus, no impacts on existing or future transit services in the project area are expected to occur as a result of the proposed project. Impacts to transit facilities would be **less than significant**.

Bicycle

Existing or proposed bicycle facilities (e.g., Class I Bicycle Path, Class II Bicycle Lanes, Class III Bicycle Routes, Proposed Bicycle Routes, Bicycle Friendly Streets, etc.) in the City's 2010 Bicycle Plan are located within an approximate one-mile radius from the project site. It is important to note that the 2010 Bicycle Plan goals and policies have been folded into the Mobility 2035 Plan to reflect a commitment to a balanced, multi-modal viewpoint. The location of the City of Los Angeles bicycle enhanced network (low stress network) in close proximity to the project site and in the surrounding area is shown in Figure 3.17-17. The location of the City of Los Angeles bicycle lane network in close proximity to the project site and in the surrounding area is illustrated in Figure 3.17-18. Use of bicycles as a transportation mode to and from the project site should be encouraged by the provision of ample and safe parking. The type of spaces and dimensions will be provided based on City Code requirements (refer to Los Angeles Municipal Code Sections 12.21.A.16 and 12.21 A.4(c)), as well as to meet the needs of a variety of bicycles. As such, the proposed project would encourage bicycle use and incorporate development within close proximity to future, planned bicycle facilities. As such, the project would support the use of these facilities and would not introduce land uses that would compromise the safety or performance of bicycle facilities. Impacts to bicycle facilities would be **less than significant**.

Pedestrian

The project is well-located to encourage pedestrian activity and walking as a transportation mode. The project site is situated within easy walking distance to several established residential areas as well as other retail, restaurant, and other commercial businesses within the area. The site's proximity both to nearby residential areas and amenities on the commercial corridors, as well as the existing public sidewalks throughout the area roadway system, will promote and encourage walking. The project will connect to the adjacent sidewalk network via the Nebraska Avenue and Centinela Avenue property frontages. Additionally, regional and local public bus transit stops are provided nearby on Centinela Avenue, Bundy Drive, Nebraska Avenue, and Olympic Boulevard which will promote pedestrian connectivity with the project site.

For the reasons described above, the proposed project would not conflict with policies or programs for public transit, bicycle, or pedestrian facilities, and the project would not decrease the performance or safety of such facilities. Rather, the proposed project would include pedestrian enhancements and would be located in proximity to existing transit services, numerous planned bicycle facilities, and a variety of services that are within a walkable distance. For the reasons described above, the project would support the use of alternative transportation, consistent with City policies. Impacts would be **less than significant**. No mitigation is required.

b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?

Less Than Significant Impact. According to CEQA Guidelines section 15064.3, subdivision (b), for land use projects, vehicle miles traveled (VMT) 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. According to the TIS, in August 2014, Mike Bonin introduced a motion directing the Department of City Planning (DCP) and LADOT to begin preparation for the shift to VMT analysis. DCP subsequently contracted with an outside consultant to develop the strategy and methodology in order to establish the tools necessary to bring the City into compliance with the state mandate. City staff has presented the CEQA Appendix G environmental checklist update to the City Council, which led to the adoption of new VMT-based significance thresholds and transportation assessment guidelines, as well as its subsequent incorporation into the City's CEQA Threshold Guide. The new transportation assessment guidelines were adopted in late July, 2019, by City Council. With the adoption of the new VMT-based significance thresholds and transportation assessment guidelines, new projects must now comply with the updated transportation evaluation framework. Since this project was initiated prior to formal adoption of the new guidelines, the analysis in this study utilizes existing, long-established protocols in accordance with the City's prior CEQA Thresholds Guide and transportation study guidelines.

Per screening criteria and thresholds of significance used to determine if other types of land uses occasionally reviewed by LADOT would result in significant impacts as it relates to VMT, Public Services land use which includes police, fire stations and public utilities, such as proposed project, do not generally generate substantial VMT. Instead, these land uses are often built in response to development from other land uses (e.g., office and residential). Therefore, land uses such as the proposed project can be presumed to have less-than-significant impacts on VMT.

As such, since the analysis of project-related VMT is not required at this time, the project would not conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b). Impacts would be **less than significant.**

Although no significant project-related impacts at the study intersections or project-related VMT are expected to occur as a result of the proposed project, LADOT has indicated that Transportation Demand Management (TDM) measures should be implemented and maintained by LADWP in conformance with the City's Trip Reduction Ordinance. TDM measures are aimed at reducing vehicular traffic and parking generated at project sites. TDM measures are employed to decrease the number of vehicular trips generated by persons traveling to and from the site by offering specific facilities, services and actions designed to increase the use of other transportation modes such as transit, walking, and bicycling, as well as by use of ridesharing. Accordingly, TDM measures are focused on establishing an environment that will encourage use of non-motorized modes. A menu of potential measures that could be considered by LADWP include, but may not be limited to, the following:

- On-Site Employee Transportation Coordinator
- TDM Web Site Information
- TDM Promotional Material.
- Transit Welcome Package.
- Los Angeles Metro TAP Employer Program.
- Los Angeles County Guaranteed Ride Home Program
- Carpool Program for Employees.
- Convenient Parking/Amenities for Bicycle Riders.
- Flexible/Alternative Work Schedules.

c) Would the project substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Less Than Significant Impact. As shown in Figure 3.17-19, , the portion of the LADWP West Los Angeles Yard Demolition & Construction project site that is planned to be improved contains a total of five driveways,

including three driveways on Nebraska Avenue, one driveway on Centinela Avenue, and one driveway that essentially forms the north leg of the Centinela Avenue East/Olympic Boulevard intersection. All five driveways are currently controlled by either manual or automatic gates that are operated by LADWP. Similar to current operations, on-site vehicle circulation will require all departmental vehicles to access the site via Olympic Boulevard, Centinela Avenue, and the northernmost driveway on Nebraska Avenue. However, the planned new primary driveway for employees on Nebraska Avenue will require employees to enter past a security gate to access the subterranean parking garage. Public access to the project site will be provided via the southerly driveway on Nebraska Avenue, which will accommodate direct access to the public parking spaces provided adjacent to the Service Planning Center office.

Additionally, traffic signal warrants analysis were prepared for the Bundy Drive/Nebraska Avenue intersection to determine whether traffic signals are warranted at the intersection upon completion of the proposed project. A detailed traffic signal warrants analysis is provided in Appendix F. In summary, Warrant No. 1 (Eight-Hour Vehicular Volume) is not satisfied under future with project conditions for the Bundy Drive/Nebraska Avenue intersection, while Warrant No. 2 (Four-Hour Vehicular Volume) and Warrant No. 3 (Peak Hour) are satisfied under future with project conditions. Warrant No. 7 (Crash Experience) is not satisfied based on a review of existing collision records. It is important to note that the satisfaction of a traffic signal warrant is not necessarily justification for the installation of a traffic signal. Delay, congestion, approach conditions, driver confusion, future land use or other evidence of the need for right-of-way assignment beyond that which could be provided by stop sign control may be demonstrated. Conversely, if a traffic signal warrant is not met, these other factors may be just cause for consideration of a traffic signal installation. The lead agency/agencies must carefully consider all aspects related to installation of traffic controls.

In August 2015, Mayor Eric Garcetti issued Executive Directive No. 10, formally launching the Vision Zero initiative in Los Angeles, a City-wide initiative which prioritizes the safety of pedestrians and bicyclists on public streets, with the understanding that roads which are safe for vulnerable users will be safer for all users, in an effort to eliminate traffic fatalities. The Vision Zero task force, directed by LADOT and the City's Police Department, has identified streets where investments in safety will have the most impact in reducing severe injuries and traffic fatalities in the City. These roads are collectively known as the High Injury Network (HIN). The proposed project is located in the West Los Angeles area where the Vision Zero focus is on major corridors. As shown on Figure 3.17-20, the HIN roadways within immediate vicinity of the proposed project include Bundy Drive, Santa Monica Boulevard (east of Centinela Avenue), and Pico Boulevard (east of Centinela Boulevard). If a proposed project results in significant traffic impacts at intersections located along a designated HIN, the Vision Zero group will review those specific locations and immediate vicinity for potential safety enhancements that are consistent with the City's Vision Zero initiative. As discussed under Threshold a, above, the proposed project would not result in significant impacts at any traffic intersections. Lastly, the proposed project would not modify existing roadways leading to the site and would not involve construction of structures that would cause transportation hazards. As such, impacts would be **less than significant**.

d) Would the project result in inadequate emergency access?

Less Than Significant Impact. Emergency access to the project site is currently provided from the west via Nebraska Avenue, from the south via Centinela Avenue, and from the east via Olympic Boulevard. During construction, vehicle access to the yard would be restricted to the entrances located on Centinela Avenue and Olympic Boulevard. Employee access to the yard would be provided via Nebraska Avenue and construction-vehicle access via Nebraska Avenue would be restricted. Trips generated from construction of the proposed project would be minimal and, with this proposed access and configuration, the project would not result in inadequate emergency access during construction. Once operational, on-site vehicle circulation would be altered from existing conditions to require all departmental vehicles to use access via Olympic Boulevard, Centinela Avenue, and the northernmost driveway from Nebraska Avenue. Employee access would be from the new primary driveway from Nebraska Avenue and be required to enter past the security gate into the subterranean parking garage (see Figure 3.17-19). Public access to the project site would be provided via the southernmost driveway on Nebraska Avenue, and would lead to the public parking spaces outside of the proposed Service Planning Center offices. The project would include emergency access to the site in accordance with the applicable fire code, which includes requirements for width of emergency access routes, and turning radii. Therefore, with compliance with fire code, the project would not result in inadequate emergency access. Impacts would be **less than significant**.

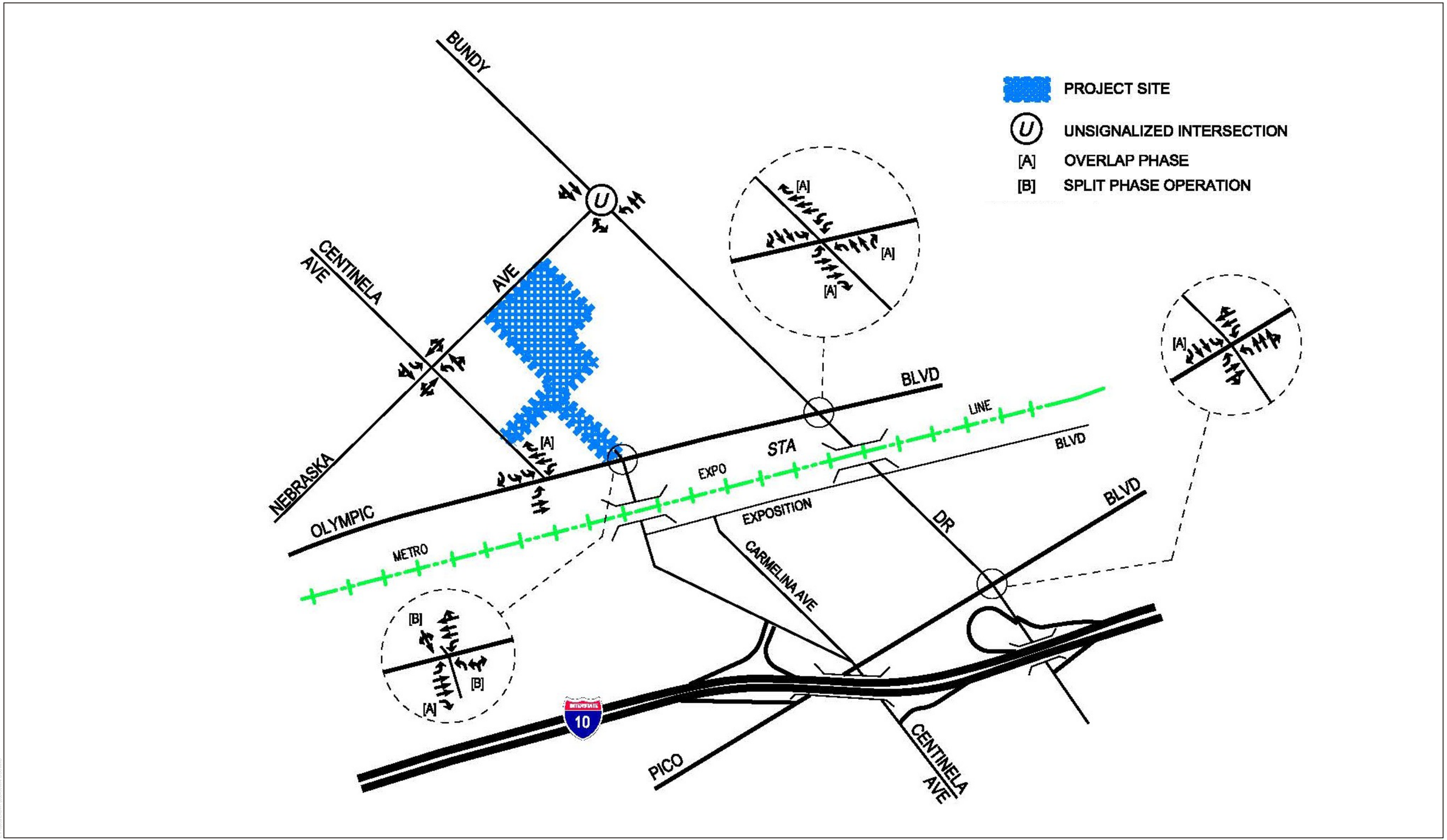
References

Appendix F. LLG 2019. Transportation Impact Study for LADWP West Los Angeles Yard Demolition & Construction Project, City of Los Angeles, CA, September 11, 2019

ITE (Institute of Engineers). 2017. Trip Generation Manual, 10th Edition, September 2017.

LADOT (Los Angeles Department of Transportation). 2016. Transportation Impact Study Guidelines, December 2016.

Metro (Los Angeles County Metropolitan Transportation Authority). 2010. 2010 *Congestion Management Program*. Accessed November, 2019. http://media.metro.net/projects_studies/cmp/images/CMP_Final_2010.pdf.



SOURCE: Linscott, Law and Greenspan Engineers

FIGURE 3.16-1

Existing Lane Configurations

West LA District Yard Project

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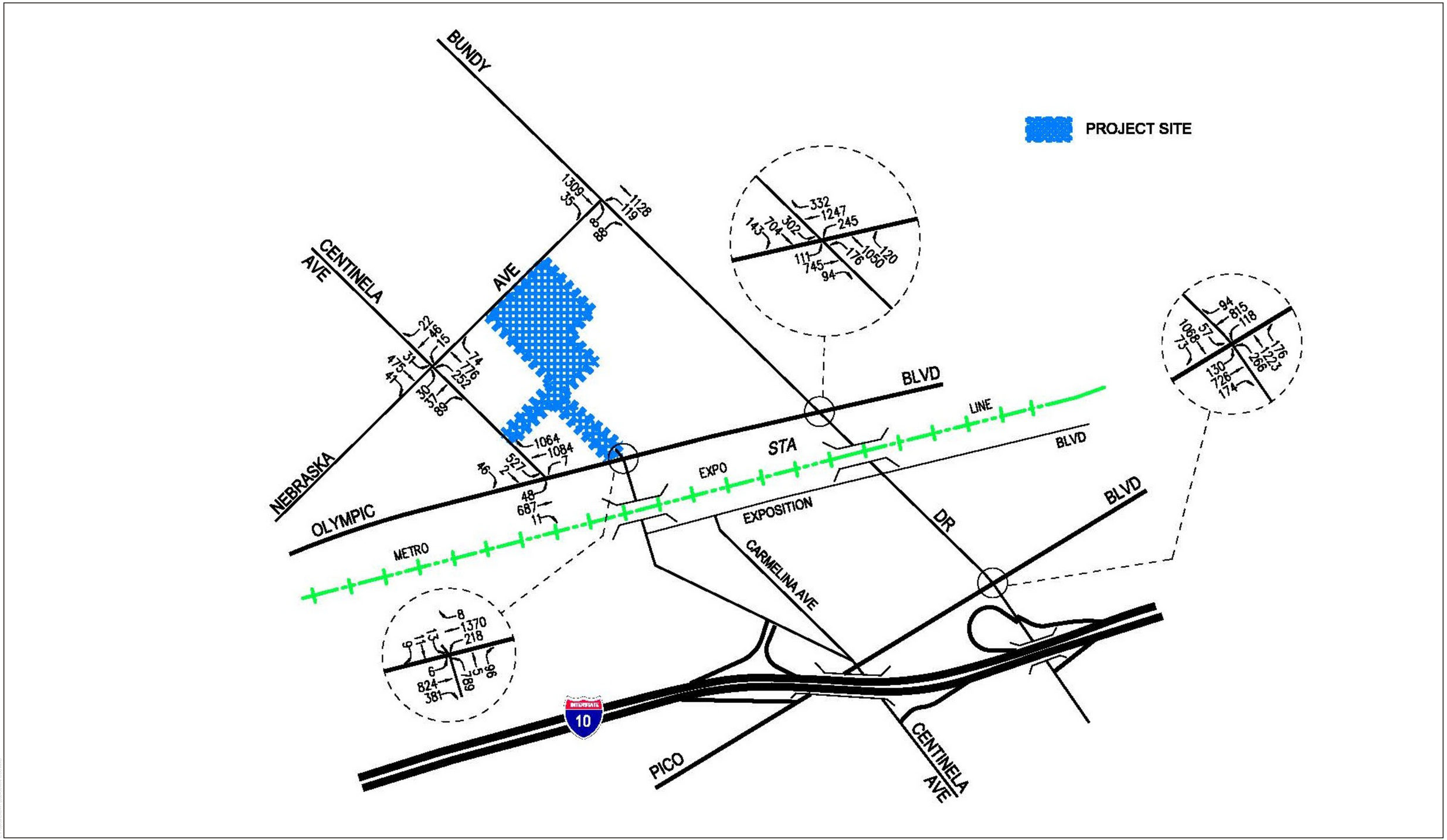

SOURCE: Linscott, Law and Greenspan Engineers

FIGURE 3.16-2

Existing With Project Traffic Volumes – Weekday AM Peak Hours

West LA District Yard Project

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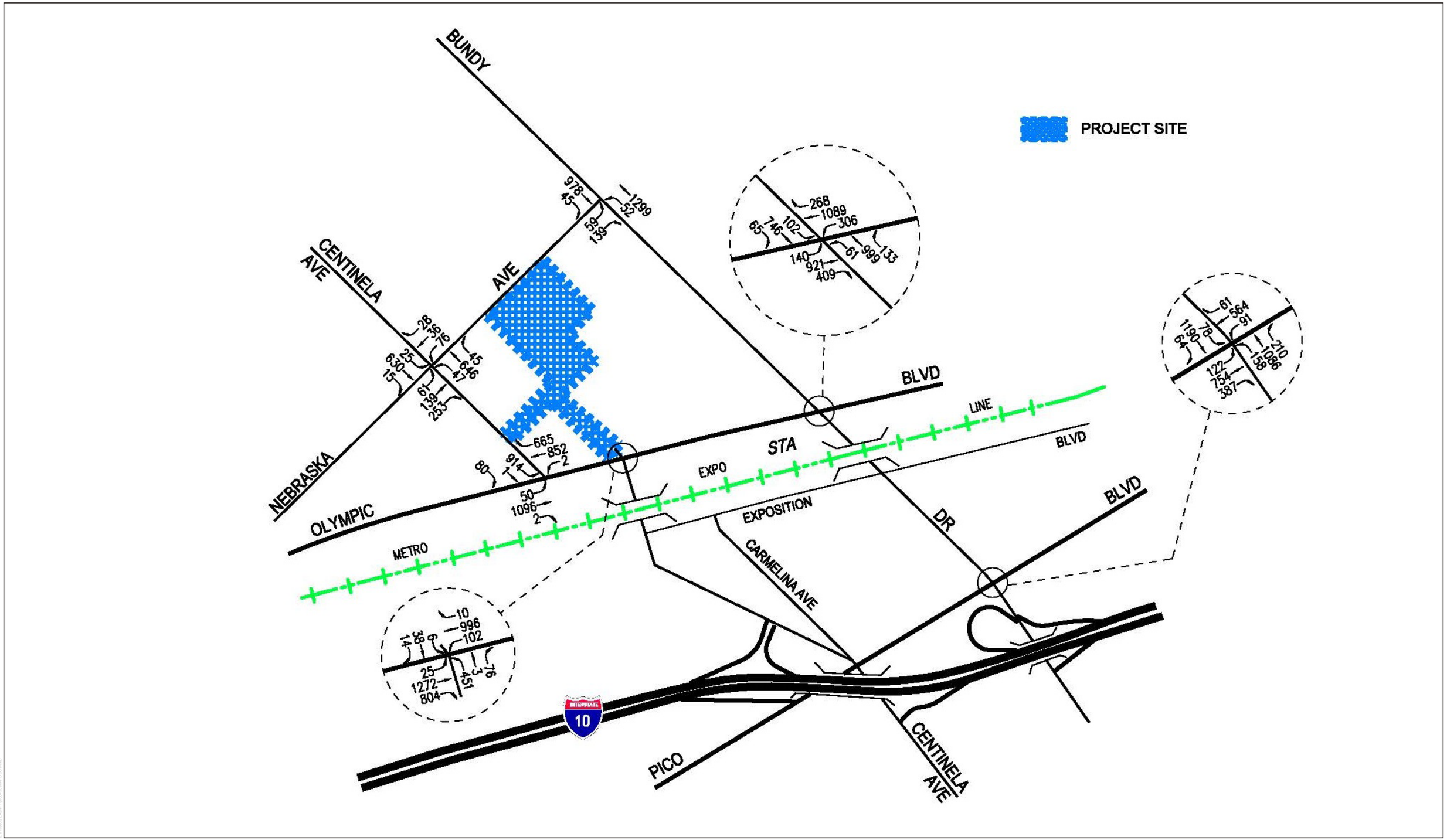

SOURCE: Linscott, Law and Greenspan Engineers

FIGURE 3.16-3

Existing With Project Traffic Volumes – Weekday PM Peak Hours

West LA District Yard Project

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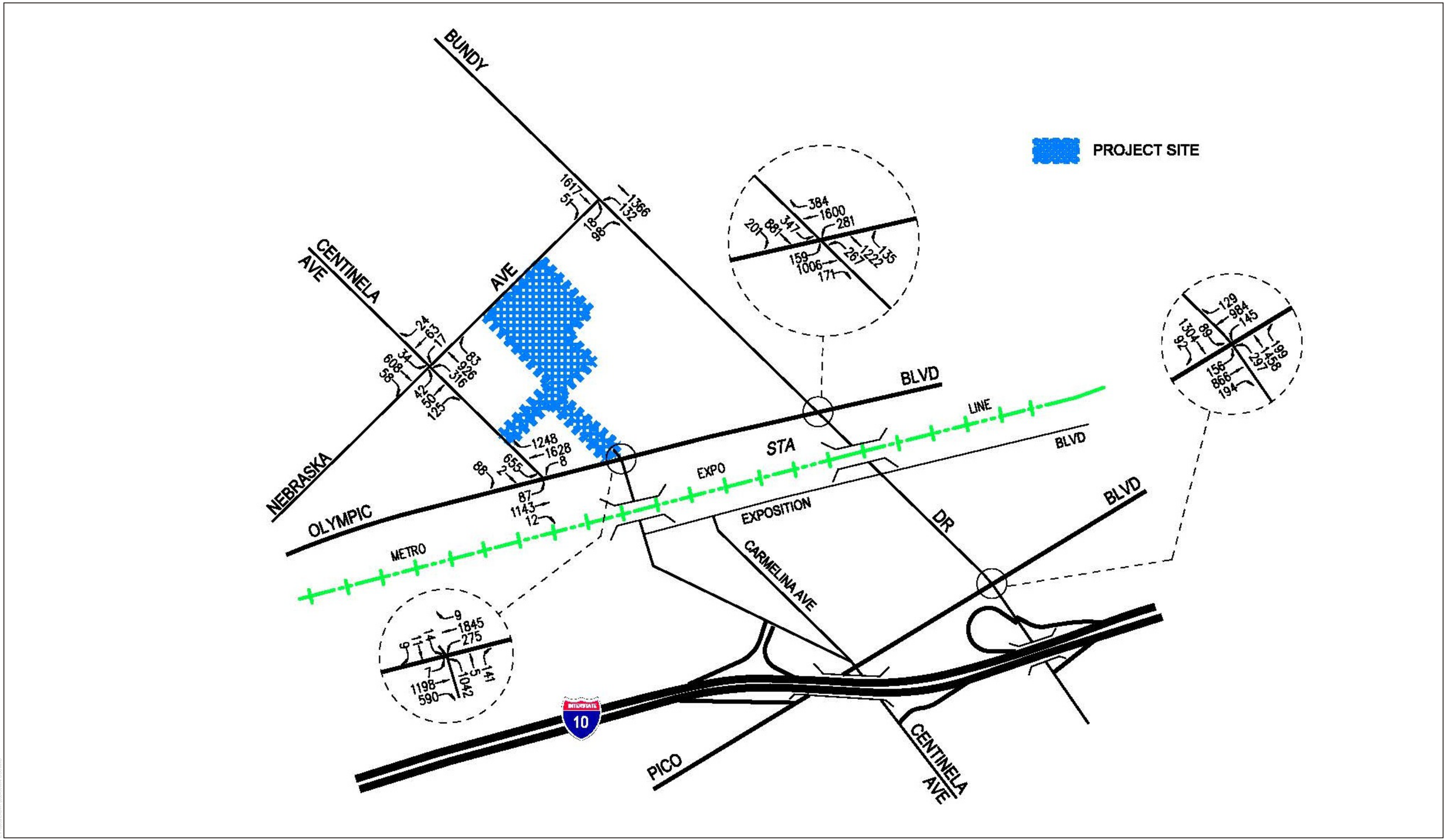

SOURCE: Linscott, Law and Greenspan Engineers

FIGURE 3.16-4

Future With Project Traffic Volumes – Weekday AM Peak Hours

West LA District Yard Project

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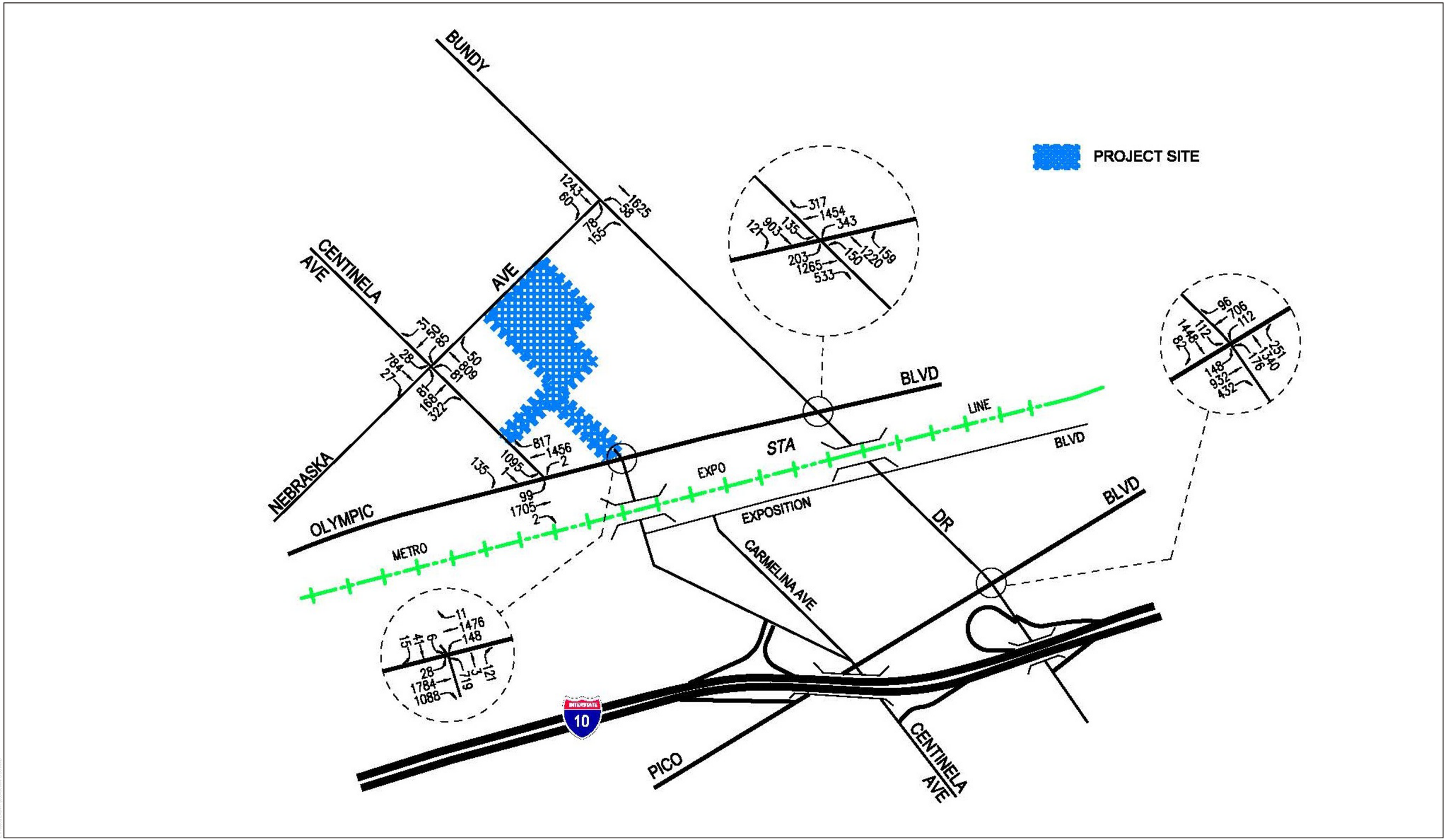

SOURCE: Linscott, Law and Greenspan Engineers

FIGURE 3.16-5

Future With Project Traffic Volumes – Weekday PM Peak Hours

West LA District Yard Project

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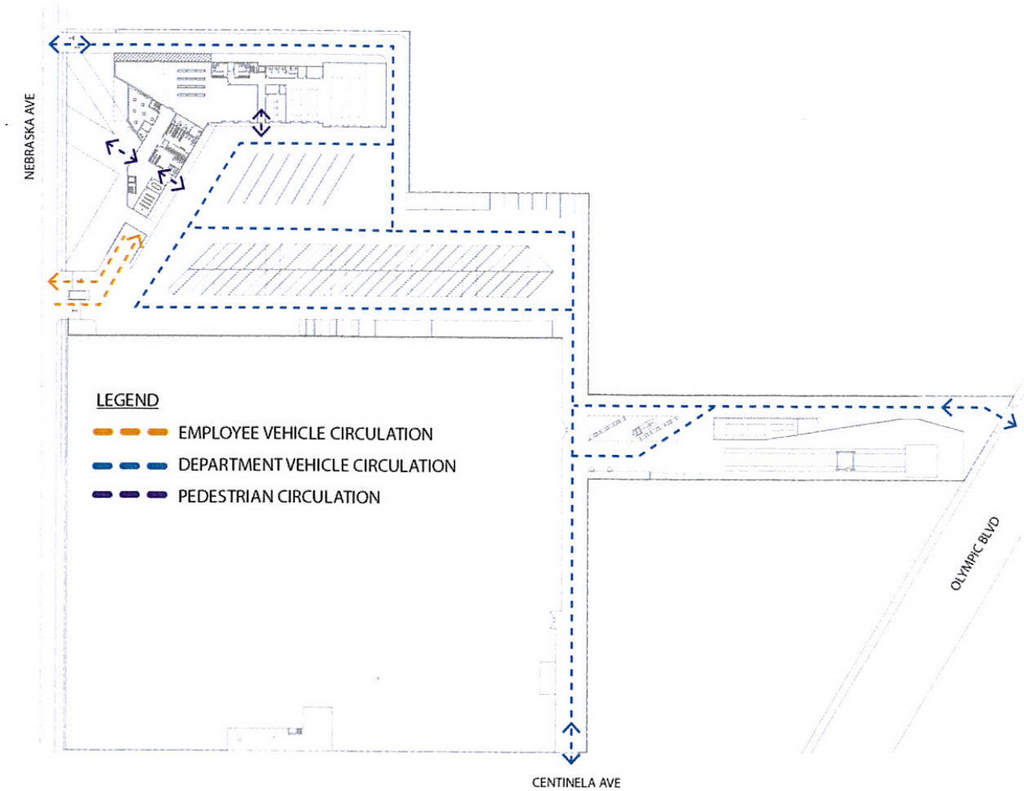
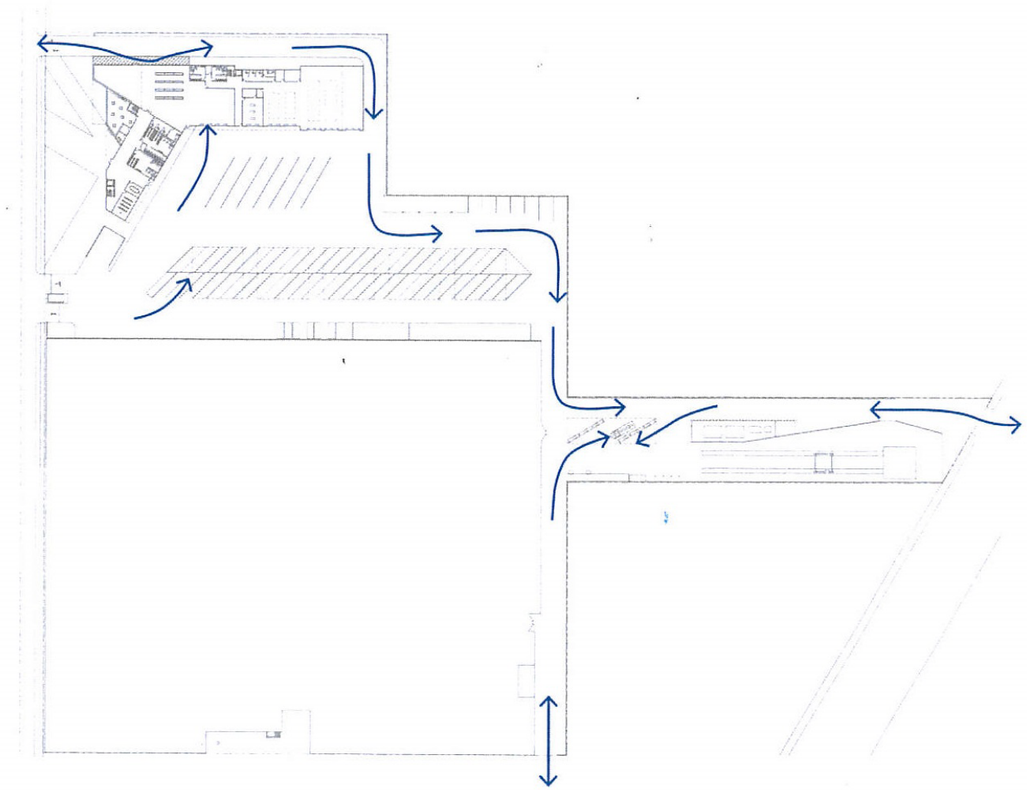


SITE CIRCULATION DIAGRAM



TRUCK MANEUVERING DIAGRAM

SOURCE: Linscott, Law and Greenspan Engineers

DUDEK

FIGURE 3.16-6

Site Circulation

West LA District Yard Project

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3.18 Tribal 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 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:				
i) 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), or	☐	☒	☐	☐
ii) 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 Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☒	☐	☐

a) 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:

i) 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)?

Less Than Significant with Mitigation Incorporated. As discussed in Section 3.5, the Cultural Resources Report prepared for the proposed project, none of the existing structures on site are eligible historic buildings under all NRHP, CRHR, and City of Los Angeles HCM designation criteria. LADWP performed a cultural records search for the proposed project site and surrounding 0.5-mile radius (Appendix B). The records search found that nine previously recorded cultural resources were located within a 0.5-mile radius of the project site. None of these resources overlap with the project site. However, because there is a possibility of encountering previously undiscovered archaeological resources at subsurface levels during ground-disturbing activities associated with the project, mitigation measure **MM-CUL-1**, as described in Section 3.5, would be implemented

to ensure that potential impacts to archeological resources during construction activities are reduced to below a level of significance. As such, impacts would be less than significant with mitigation.

ii) 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 Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.)

Less Than Significant with Mitigation Incorporated. AB 52 established a formal consultation process for California Native American Tribes to identify potential significant impacts to Tribal Cultural Resources, as defined in Public Resources Code Section 21074, as part of CEQA. As specified in AB 52, lead agencies must provide notice, thereby inviting consultation to California Native American Tribes that are traditionally and culturally affiliated with the geographic area of a proposed project. The Tribes must respond in writing within 30 days of the City's AB 52 notice.

On September 1, 2017, LADWP submitted a Sacred Lands File (SLF) and Native American Contacts List Request to the Native American Heritage Commission. The NAHC responded on September 7, 2017, indicating that the search did not identify any Native American resources in the vicinity of the project site but that the surrounding area is sensitive for cultural resources. Because the SLF search does not include an exhaustive list of Native American cultural resources, the NAHC suggested contacting Native American individuals and/or tribal organizations who may have direct knowledge of cultural resources in or near the project. The NAHC provided the contact information of the five persons and entities to contact along with the SLF search results. Tribal groups on this list were contacted on September 11, 2017. Although one Native American contact, the Gabrieleno Band of Mission Indians – Kizh Nation, requested the presence of a Native American monitor during all ground-disturbing activities, no specific archaeological resources or sensitivity concerns were identified by any sources consulted such as the CHRIS records search, Native American coordination, or survey. However, there is a possibility of encountering previously undisturbed archaeological resources at subsurface levels during ground-disturbing activities associated with the project. As such, implementation of mitigation measure **MM-CUL-1** would ensure that potential impacts to archeological resources during construction activities are reduced to a less-than-significant level.

Given the above, and with implementation of **MM-CUL-1** as outlined in Section 3.5, impacts would be less than significant.

References

None.

3.19 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 of 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?	☐	☐	☒	☐

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?

Water Treatment

Less Than Significant Impact. LADWP provides potable water to the City of Los Angeles, along with portions of West Hollywood, Culver City, Universal City, and small parts of the County of Los Angeles (LADWP 2015). As such, potable water for the project would be supplied by LADWP.

Primary sources of water for the LADWP service area are the Los Angeles Aqueducts, local groundwater, and purchased imported water from Metropolitan Water District (MWD). An additional fourth source of water, recycled water, is becoming an increasingly larger source in the overall supply portfolio. Two of the supply

sources, water from the Los Angeles Aqueducts and water purchased from MWD, are classified as imported as they are obtained from outside LADWP's service area. MWD is the regional wholesale water agency, importing water from the Bay-Delta via the State Water Project and from the Colorado River via the Colorado River Aqueduct. Groundwater is local and is obtained from wells within the service area, primarily from the San Fernando Basin. According to the 2015 UWMP, LADWP water supply sources are increasingly under multiple constraints including potential impacts of climate change, groundwater contamination, and reallocation of water for environmental concerns. To mitigate these impacts on supply sources, LADWP is modifying its water supply portfolio through increased water use efficiency programs, water recycling, stormwater capture, and local groundwater development and remediation (LADWP 2015).

Indoor and outdoor water consumption data associated with operation of the proposed project and existing operations on site were provided in the CalEEMod modeling outputs included as Appendix A. During operations, the proposed project would increase water consumption compared to existing uses on site. The project could consume approximately 17.2 million gallons of water per year, or 47,224 gallons per day. Current operations at the project site currently consumes approximately 7.1 million gallons of water per year, or 19,332 gallons per day. As such, the project would increase water consumption by approximately 10 million gallons per year, or 27,671 gallons per day, when compared to existing operations on site. According to the LADWP UWMP, the total annual water demand in LADWP's Service Area in 2015 was over 500,000 acre-feet. This equates to approximately 162 billion gallons per year, or 446 million gallons per day. Thus, the proposed project's demand would equate to approximately 0.011% of the total annual demand generated in LADWP's service area. As such, the increased water use would be minor and incremental in the context of the total water portfolio managed by the LADWP. While the proposed project would involve an intensification of uses on the site, the site is already developed with LADWP facilities. Therefore, the demand associated with operation of the proposed project would be within the capacity of existing water treatment facilities; and impacts would be less than significant.

Wastewater Treatment

According to the CalEEMod estimations for the proposed project (Appendix A), the project would produce approximately 11 million gallons of wastewater per year or 30,435 gallons per day. Wastewater generated by the project site is treated at the Hyperion Water Treatment Plant, which has a capacity of 450 million gallons per day (LASAN 2019). Thus, the proposed Project's wastewater generation would represent a nominal percentage (0.007%) of the Hyperion Water Treatment Plant's permitted treatment capacity. As such, no additional wastewater treatment facilities would be required as a result of the increased wastewater generation at the project site. Therefore, the proposed project would not result in the need for new or expanded wastewater treatment facilities. Impact would be less than significant.

Storm Water Drainage

As discussed in Section 3.10(c), (d), and (e), the project would not increase the impervious area on site. Rather, the project proposes landscaping on site, which would increase the area of impervious surfaces and result in an associated increase in the percolation and infiltration of stormwater. As such, a significant increase in the rate or amount of surface runoff is not expected under the proposed project, and, the project would not result in the need for new storm water drainage facilities or for the expansion of existing facilities. Stormwater would continue to sheet flow towards the public storm drain system located in Bundy Drive and Centinela Avenue. Impacts would be less than significant.

Electric Power

Temporary electric power for as-necessary lighting and electronic equipment would be provided by LADWP. The amount of electricity used during construction would be minimal, because typical demand would stem from electrically powered hand tools. The electricity used for construction activities would be temporary and minimal; therefore, Project construction would not result in electricity demand such that new or expanded electric power generation facilities would be required.

Project operation would require electricity for multiple purposes including building heating and cooling, lighting, appliances, electronics, and water and wastewater conveyance. The estimation of operational building energy was based on the applicant-provided forecasted annual electricity consumption estimate of 569,720 kWh. Supply, conveyance, treatment, and distribution of water for the project would also require the use of electricity. Similarly, wastewater generated by the project would require the use of electricity for conveyance and treatment. The water consumption estimate for the project (17,236,917 gallons of water per year) water use were based on defaults values in CalEEMod, and associated electricity consumption from water use and wastewater generation were estimated using CalEEMod. Approximately 584,962 kWh/year of electricity would be required for project operation.

For comparison, electricity demand for Los Angeles County in 2018 was 67,856 million kWh (CEC 2018a). The proposed project would result in a minimal increase in electricity consumption and would be inherently energy efficient by implementing measures such as LED lighting, optimizing building envelope thermal properties, managing water usage, and optimizing energy performance and controls. Additionally, solar PV panels would be incorporated into the project design, which would offset the majority of electricity that would be consumed by the project. As such, implementation of the proposed project would not require new or expanded electricity generation facilities.

Natural Gas

As explained in Section 3.6, Energy, demand for Natural gas is not anticipated during project construction. As fuels used for construction would primarily consist of diesel and gasoline, which are discussed in Section 3.6, Energy of this IS/MND.

Natural gas consumption during operation would be required for various purposes, including building heating and cooling. For building consumption, default natural gas generation rates in CalEEMod for the proposed project land uses and climate zone were used.

As explained in Section 3.6, Energy, the project would consume approximately 900,277 kBtu per year. For comparison, in 2018 SoCalGas delivered approximately 2,921 million therms (292.1 billion kBtu) to Los Angeles County (CEC 2018b). The proposed project is subject to statewide mandatory energy requirements as outlined in Title 24, Part 6, of the California Code of Regulations. Title 24, Part 11, contains additional energy measures that are applicable to proposed project under CALGreen. Therefore, the proposed project would not result in an increased demand for energy such that new or expanded natural gas facilities would be required.

Telecommunications

The proposed project includes the demolition and reconstruction of an existing LADWP facility. The proposed project would require new or expanded telecommunications facilities. Furthermore, as explained in Section 3.14, the proposed project would not result in substantial population growth and would not require new or expanded telecommunications facilities to accommodate growth. Further, the proposed project is in a largely developed, urban area that has adequate telecommunications facilities to service the proposed project. Therefore, no impacts related to the need for new or expanded telecommunication facilities would occur.

Conclusion

Although the project would result in a slight intensification of land uses at the project site, the proposed project is not anticipated to require or result in the relocation or construction of new or expanded water, wastewater treatment, storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects. Impacts would be less than significant.

b) Would the project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?

Less Than Significant Impact. Potable water for the Project would be supplied by LADWP. LADWP's UWMP, prepared in 2015, outlines a Water Shortage Contingency Plan, developed to provide for a sufficient and continuous supply of water in case of water supply shortage in the LADWP service area, including the project site. Over the last 10 years, groundwater contamination has impacted LADWP's ability to fully utilize

its entitlements. Expanding urbanization, increasing impervious hardscape, and channelization of storm water runoff have reduced natural replenishment. Aging well fields and distribution infrastructure have also inhibited the full utilization of the City's groundwater resources. In response to these issues, LADWP has renewed its focus on protecting and rehabilitating its local groundwater basins, including expanding the remediation efforts for the San Fernando Basin. LADWP continues to invest in storm water and recharge projects by enhancing and enlarging existing storm water planning facilities and investing in advanced treatment systems to produce purified recycled water for groundwater replenishment. These investments will augment the City's groundwater and help ensure that basin water levels remain sustainable in the future. In addition, LADWP is involved in many programs and employs multiple technologies to achieve its water conservation goals, which are implemented with State and local ordinances and plumbing code modifications. Further, in response to dry conditions affecting the City's imported water supplies, the City prepared the Sustainable City Plan (pLAn), calling for a 20% reduction in water use by 2017 and 25% by 2035 (LADWP 2015).

While the proposed project would involve an intensification of uses on the site, the site is already developed with existing LADWP facilities. The UWMP shows that LADWP has sufficient supply to meet expected water demands through 2040 under single dry year, average weather year, and three consecutive dry years. Further, as discussed in the UWMP, the total annual water demand in LADWP's Service Area in 2015 was over 500,000 acre-feet. This equates to approximately 162 billion gallons per year, or 446 million gallons per day. Indoor and outdoor water consumption data associated with operation of the proposed project and existing operations on site were provided in the CalEEMod modeling outputs included as Appendix A. During operations, the proposed project would increase water consumption compared to existing uses on site. The project could consume approximately 17.2 million gallons of water per year, or 47,224 gallons per day. As such, the proposed project's demand would equate to approximately 0.011% of the total annual demand generated in LADWP's service area. Therefore, the anticipated increase in water use would be incremental in the context of the total water portfolio managed by the LADWP, who has the supplies to meet demands for future development during normal, dry, and multiple dry years. Impacts would be less than significant.

c) Would the project 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?

Less Than Significant Impact. As previously addressed in Section 3.19(a), according to the CalEEMod estimations for the proposed project (Appendix A), the project would produce approximately 11 million gallons of wastewater per year or 30,435 gallons per day. Wastewater generated by the project site is treated at the Hyperion Water Treatment Plant, which has a capacity of 450 million gallons per day (LASAN 2019). Thus, the proposed Project's wastewater generation would represent a nominal percentage (0.007%) of the Hyperion Water Treatment Plant's permitted treatment capacity. As such, the project would not 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. Impact would be less than significant.

d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impact the attainment of solid waste reduction goals?

Less Than Significant Impact. Construction activities would generate construction waste, such as equipment packaging, construction scrap, and debris. In accordance with the City's Construction and Demolition Debris Recycling Ordinance, construction would incorporate source reduction techniques and recycling measures and would maintain a recycling program to divert waste (LASAN 2017). These measures would minimize the amount of construction debris generated by the project that would need to be disposed of in an area landfill. Any non-recyclable and hazardous construction waste generated would be disposed of at a landfill approved to accept such materials.

Operation of the proposed project would include a minimal increase in solid waste generation associated with expanded facilities. Serval landfills throughout the County of Los Angeles serve the City, as listed in Table 3.18-2. The total permitted throughput for all landfills is approximately 29,116 tons per day, and the total remaining capacity is approximately 155 million tons (LADPW 2017).

Table 3.18-1. Existing Landfills

Landfill	Location	Estimated Closing Year	Maximum Permitted Daily Load (tons/day)	Current Remaining Capacity (million tons)
Antelope Valley Landfills I and II	Palmdale	2041	1,800	12.36
Calabasas Landfill	Unincorporated Area	2028	3,500	5.60
Chiquita Canyon Landfill	Unincorporated Area	2047	6,616	59.1
Lancaster Landfill	Unincorporated Area	2041	5,100	10.27
Sunshine Canyon Landfill	Los Angeles/ Unincorporated Area	2037	12,100	68.04
		Total	**29,116**	**155.37**

Source: LADPW 2017

Solid waste generation data associated with operation of the project were provided in the CalEEMod modeling outputs (Appendix A). The project could produce up to 30.5 tons of solid waste per year. Note that these estimates represent a conservative, "worst-case" scenario and do not include credit for the diversion requirements set forth by AB 939. Nonetheless, the project's estimated waste generation (without diversion) equates to a nominal percentage of the County landfills serving the City's permitted throughput of 29,116 tons per day. LADWP would also comply with comply with federal, state, and local solid waste diversion, reduction, and recycling mandates during operations.

Therefore, the project would not generate solid waste in excess of state or local standards, or in excess of capacity of local infrastructure. Impacts would be less than significant.

g) Would the project comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

No Impact. As described above, the construction waste generated by the proposed project would be properly disposed of in existing solid waste facilities. LADWP would comply with the City's Construction and Demolition Ordinance for construction. LADWP would also comply with comply with federal, state, and local solid waste diversion, reduction, and recycling mandates during operations. No impact would occur.

References

CEC (California Energy Commission). 2018a. "Electricity Consumption by County." Accessed October 2019. http://ecdms.energy.ca.gov/elecbycounty.aspx.

CEC (California Energy Commission). 2018b. "Gas Consumption by County." Accessed October 2019. http://ecdms.energy.ca.gov/gasbycounty.aspx.

LADPW (Los Angeles Department of Public Works). 2017. Countywide Integrated Waste Management Plan. Accessed, August 28, 2019. https://pw.lacounty.gov/epd/swims/ShowDoc.aspx?id=6530&hp=yes&type=PDF

LADPW (Los Angeles Department of Public Works). 2019. Los Angeles County Storm Drain System. Web map application. Accessed August 28, 2019. http://dpw.lacounty.gov/fcd/stormdrain/index.cfm.

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LASAN (City of Los Angeles Department of Sanitation and Environment). 2019. Hyperion Water Reclamation Plant [webpage]. Accessed, November 15, 2019. https://www.lacitysan.org/san/faces/home/portal/s-lsh-wwd/s-lsh-wwd-cw/s-lsh-wwd-cw-p/s-lsh-wwd-cw-p-hwrp?_adf.ctrl-state=a3egp4p47_5&_afrLoop=14905596489343275#!.

3.20 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?	☐	☐	☐	☒

a) Would the project substantially impair an adopted emergency response plan or emergency evacuation plan?

Less Than Significant Impact. As stated in Section 3.9(f), the City of Los Angeles adopted a multi-hazard emergency response plan in order to respond with maximum feasible speed and efficiency to disaster events (City of Los Angeles 1996). Construction of the proposed project would take place on the project site in one phase, with half the employees relocated to the Palms Yard site and the other half relocated to a LADWP-owned site at Los Angeles World Airports. The proposed project would be constructed in adherence to the requirements set forth in Title 24, Part 9 of the CBC (the Fire Code). During construction of the proposed project, emergency access to the project site and surrounding area would be maintained to provide emergency services to construction workers in the event of an emergency. Furthermore, new access routes would be built according to CBC Section 17.124.070, and thus would be approved by the LAFD and would provide efficient ingress/egress for emergency vehicles.

During operations, the hours of operations of the site would be the same. Although approximately 225 additional employees would be introduced to the site, the operations of the project would not interfere with an adopted emergency response plan or emergency evacuation plans. Department vehicle and emergency vehicle access to and from the site would be provided in both directions from Olympic Boulevard, Centinela Avenue, as well as Nebraska Avenue, to the north of the site. Further, employee vehicle access would be provided in both directions from the southern portion of the site on Nebraska Avenue.

Additionally, the proposed project site is within close proximity to several County-designated disaster routes, which would be utilized for evacuation procedures in a disaster scenario. Namely, the project site is located between Santa Monica Boulevard to the north and Olympic Boulevard and the I-10 to the south, all of which are County-designated Disaster Routes (LADPW 2008). Given the above, the project would not interfere with an adopted response plan or emergency evacuation plan. Impacts would be less than significant.

b) Due to slope, prevailing winds, and other factors, would the project exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

Less Than Significant Impact. The project site is located in a highly urbanized area of the City, is fully developed, and surrounded by urban development, all of which precludes the spread of wildland fire. The site is not located in a designated Very High Severity Fire Zone and the proposed project does not include the construction of any infrastructure or buildings that would exacerbate fire risk (CALFIRE 2011). The proposed project would be constructed in adherence to the requirements set forth in the Fire Code. During construction of the proposed project, emergency access to the project site and surrounding area would be maintained. Furthermore, new access routes would be built according to CBC Section 17.124.070, and thus would be approved by the LAFD and would provide efficient ingress/egress for emergency vehicles. As such, the proposed project would not exacerbate wildfire risks, thereby exposing project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire. Impacts would be less than significant.

c) Would the project 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?

Less Than Significant Impact. As stated above, the proposed project would not include the construction of any buildings or infrastructure that would exacerbate fire risks. The proposed project would be constructed in adherence to the requirements set forth in the Fire Code. During construction of the proposed project, emergency access to the project site and surrounding area would be maintained. Furthermore, new access routes would be built according to CBC Section 17.124.070, and thus would be approved by the City's Fire Department and would provide efficient ingress/egress for emergency vehicles. In the unlikely event of a fire emergency at the project site, the LAFD would respond. Specifically, Fire Station 59 located approximately 0.9-mile east of the site would be the first responder to a structural fire. Given the above, the proposed project would not include 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.

An above ground fueling station is also located in the access driveway of the project site. This fueling station includes unleaded and diesel fuel tanks, which would remain above ground as part of the proposed project. Although highly flammable, these tanks are already in place and operational under existing conditions and would continue to operate according to local, state, and federal regulations upon project operation. As such, the proposed project would not include 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. Impact would be less than significant and no mitigation is required.

d) Would the project 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?

No Impact. The proposed project is located within a fully developed, urban area and is located on relatively flat terrain. Construction of the proposed project would result in ground surface disruption that could temporarily alter on-site drainage patterns. However, runoff at the project site would be managed through implementation of the BMPs outlined in the project-specific SWPPP and LID Plan as described in Section 3.10, Hydrology and Water Quality. Upon operation, the project site as a whole would maintain the general existing drainage pattern and would remain fully developed. Given the above, the proposed project would not 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. No impact would occur and no mitigation is required.

References

CALFIRE (California Department of Forestry and Fire Protection). 2011. Very High Fire Hazard Severity Zones in the Los Angeles Region [map]. Accessed, August 26, 2019. https://osfm.fire.ca.gov/media/5830/los_angeles.pdf.

City of Los Angeles. 1996. "Safety Element" in The Los Angeles City General Plan. Department of City Planning. Adopted November 26, 1996. Accessed August 28, 2019. https://planning.lacity.org/cwd/gnlpln/saftyelt.pdf

LADPW (Los Angeles Department of Public Works). 2008. City of Los Angeles: West Area, Disaster Routes [map]. Accessed, August 28, 2019. https://dpw.lacounty.gov/dsg/DisasterRoutes/map/Los%20Angeles%20West%20Area.pdf.References

3.21 Mandatory Findings of Significance

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Does the project have the potential to substantially 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, substantially 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?	☐	☒	☐	☐

a) Does the project have the potential to substantially 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, substantially 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?

Less Than Significant with Mitigation Incorporated. As discussed in Section 3.4, the proposed project would be located in a highly urbanized area of Los Angeles. The project site is already developed with LADWP facilities. As such, no special-status plant or wildlife species, riparian or sensitive habitats or wetlands, are present on site, and the site is not located within an adopted Habitat Conservation Plan or Natural Community Conservation Plan. Several ornamental trees are present on site, while a few additional ornamental trees are located adjacent to the site to the southwest. In the event that a nesting bird were to be nesting in adjacent trees, tree removal and construction activities could adversely affect or kill migratory nesting birds. As such, mitigation measures **MM-BIO-1**, as described in Section 3.4, would be implemented to ensure impacts to nesting birds are less than significant. These trees are not recognized as protected trees by the City of Los Angeles.

As discussed in Section 3.5, although five existing structures are present on site, these structures are not eligible for historic status under all NRHP, CRHR, and City of Los Angeles HCM designation criteria. Potential impacts

regarding inadvertent discovery of cultural or paleontological resources, or human remains could occur during construction of the project. However, implementation of **M-CUL-1** would ensure that impacts would be less than significant. Overall, impacts would be less than significant with the incorporation of mitigation.

f) 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)?

Less Than Significant with Mitigation Incorporated. As provided in the analysis in this IS/MND, the proposed project would not result in significant impacts to aesthetics, agriculture and forestry resources, energy, GHG emissions, hydrology and water quality, land use and planning, mineral resources, population and housing, public services, recreation, and utilities and service systems. Mitigation measures recommended for air quality, biological resources, cultural, geology and soils, hazards and hazardous materials, noise, transportation, and tribal cultural resources would reduce impacts to below a level of significance. Furthermore, the Air Quality and Transportation analyses presented in Section 3.3 and Section 3.17 of this IS/MND consider cumulative impacts and have determined that cumulative air and traffic impacts would be less than significant. All reasonably foreseeable future development in the City would be subject to the same land use and environmental regulations that have been described throughout this document. Furthermore, all development projects are guided by the policies identified in the City's General Plan and by the regulations established in the LAMC. Therefore, compliance with applicable land use and environmental regulations would ensure that environmental effects associated with the proposed project would not combine with effects from reasonably foreseeable future development in the City to cause cumulatively considerable significant impacts. For these reasons, cumulative impacts would be less than significant with mitigation incorporated. No further mitigation is required.

c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

Less Than Significant with Mitigation Incorporated. As detailed throughout this IS/MND, the proposed project would not exceed any significance thresholds or result in significant impacts in the environmental categories typically associated with indirect or direct effects to human beings, such as aesthetics, geology and soils (specifically seismic hazards) or public services. However, the proposed project could result in potentially significant impacts in the categories of air quality, hazards and hazardous materials, and noise. With implementation of mitigation measures identified in Sections 3.3, 3.9, and 3.13 of this IS/MND, this impact would be reduced to a less than significant level. As such, impacts would be less than significant with mitigation incorporated. No further mitigation is required.

4 REPORT PREPARERS

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APPENDIX A

Air Quality Greenhouse Gas and Energy Calculations

Proposed Project CalEEMod Emissions Calculations

LADWP - West LA District Yard Project

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	53.69	1000sqft	1.23	53,690.00	0
Unrefrigerated Warehouse-No Rail	15.89	1000sqft	0.36	15,885.00	0
Automobile Care Center	12.68	1000sqft	0.29	12,678.00	0
Enclosed Parking with Elevator	543.00	Space	4.89	217,200.00	0
Parking Lot	12.00	Space	0.11	4,800.00	0
Government Office Building	9.42	1000sqft	0.22	9,421.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operational year 2024.

Land Use - Project specific square footage and acreage provided by LADWP

Construction Phase - Construction phasing provided by LADWP.

Off-road Equipment - Construction equipment information provided by LADWP.

Off-road Equipment - Construction equipment information provided by LADWP.

Off-road Equipment - Construction equipment information provided by LADWP.

Off-road Equipment - Construction equipment information provided by LADWP.

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Off-road Equipment - Construction equipment information provided by LADWP.

Off-road Equipment - Construction equipment information provided by LADWP.

Grading - 100,000 CY of export is anticipated.

Trips and VMT - Trips were rounded up to the highest even value.

Vehicle Trips - Trip generation rates were modified to be consistent with the trip generation assumptions in the TIA for the project.

Operational Off-Road Equipment - Equipment information provided by LADWP.

Stationary Sources - Emergency Generators and Fire Pumps - NA

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403 and Mitigation Measure AQ-1: use of Tier 4 final engines in construction equipment.

Energy Mitigation - Onsite Electricity generation from on-site solar is anticipated to meet the project's electricity demand per LADWP.

Water Mitigation - Per LADWP grey water use and water reduction measures were assumed as design features.

Waste Mitigation - Consistent with AB 939 a 50% waste diversion rate was assumed.

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tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.41	0.41
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Excavators

tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOperationalOffRoadEquipment	OperLoadFactor	0.37	0.37
tblOperationalOffRoadEquipment	OperLoadFactor	0.20	0.20
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	3.00
tblStationaryGeneratorsPumpsEF	CO_EF	2.60	0.44
tblStationaryGeneratorsPumpsEF	NOX_EF	4.56	4.08
tblStationaryGeneratorsPumpsEF	PM10_EF	0.15	0.03
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.15	0.03
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	600.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	30.00
tblStationaryGeneratorsPumpsUse	Load_Factor	0.73	1.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	12,500.00	10,000.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00

tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	3.00	4.00
tblVehicleTrips	ST_TR	23.72	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	1.68	52.50
tblVehicleTrips	SU_TR	11.88	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.68	52.50
tblVehicleTrips	WD_TR	23.72	0.00
tblVehicleTrips	WD_TR	11.03	3.65
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	52.50

2.0 Emissions Summary

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					
2021	0.6676	7.8248	4.8018	0.0129	0.8467	0.3015	1.1482	0.3606	0.2799	0.6405	0.0000	1,171.0128	1,171.0128	0.2476	0.0000	1,177.2029
2022	0.3171	2.9256	2.8128	6.7400e-003	0.1892	0.1213	0.3105	0.0511	0.1135	0.1646	0.0000	603.5814	603.5814	0.0986	0.0000	606.0472
2023	0.3847	3.0152	3.1824	7.7100e-003	0.2199	0.1226	0.3425	0.0594	0.1147	0.1741	0.0000	689.3859	689.3859	0.1119	0.0000	692.1840
2024	0.5552	1.2880	1.3736	3.3100e-003	0.0841	0.0505	0.1346	0.0226	0.0472	0.0698	0.0000	293.9861	293.9861	0.0544	0.0000	295.3471
Maximum	**0.6676**	**7.8248**	**4.8018**	**0.0129**	**0.8467**	**0.3015**	**1.1482**	**0.3606**	**0.2799**	**0.6405**	**0.0000**	**1,171.0128**	**1,171.0128**	**0.2476**	**0.0000**	**1,177.2029**

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					
2021	0.1570	1.8071	5.3209	0.0129	0.4512	0.0181	0.4693	0.1813	0.0179	0.1993	0.0000	1,171.0119	1,171.0119	0.2476	0.0000	1,177.2020
2022	0.1173	0.8624	3.0195	6.7400e-003	0.1892	8.0800e-003	0.1973	0.0511	7.9500e-003	0.0590	0.0000	603.5810	603.5810	0.0986	0.0000	606.0468
2023	0.1753	0.8478	3.4444	7.7100e-003	0.2199	9.0300e-003	0.2290	0.0594	8.9100e-003	0.0683	0.0000	689.3854	689.3854	0.1119	0.0000	692.1835
2024	0.4682	0.3429	1.5419	3.3100e-003	0.0841	6.3000e-003	0.0904	0.0226	6.2500e-003	0.0289	0.0000	293.9859	293.9859	0.0544	0.0000	295.3468
Maximum	**0.4682**	**1.8071**	**5.3209**	**0.0129**	**0.4512**	**0.0181**	**0.4693**	**0.1813**	**0.0179**	**0.1993**	**0.0000**	**1,171.0119**	**1,171.0119**	**0.2476**	**0.0000**	**1,177.2020**

	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	**52.30**	**74.36**	**-9.50**	**0.00**	**29.51**	**93.03**	**49.06**	**36.31**	**92.61**	**66.11**	**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)
6	**4-2-2021**	**7-1-2021**	1.8243	0.1494
7	**7-2-2021**	**10-1-2021**	2.9061	0.6754
8	**10-2-2021**	**1-1-2022**	3.6675	1.0973
9	**1-2-2022**	**4-1-2022**	0.4113	0.1239
10	**4-2-2022**	**7-1-2022**	0.9336	0.2798
11	**7-2-2022**	**10-1-2022**	0.9439	0.2829
12	**10-2-2022**	**1-1-2023**	0.9449	0.2846
13	**1-2-2023**	**4-1-2023**	0.8270	0.2393
14	**4-2-2023**	**7-1-2023**	0.8344	0.2402
15	**7-2-2023**	**10-1-2023**	0.8436	0.2429
16	**10-2-2023**	**1-1-2024**	0.9049	0.3047

17	**1-2-2024**	**4-1-2024**	1.5127	0.6670
18	**4-2-2024**	**7-1-2024**	0.2966	0.1259
		Highest	3.6675	1.0973

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	0.3920	7.0000e-005	8.2400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0161	0.0161	4.0000e-005	0.0000	0.0171
Energy	4.8500e-003	0.0441	0.0371	2.6000e-004		3.3500e-003	3.3500e-003		3.3500e-003	3.3500e-003	0.0000	1,327.3613	1,327.3613	0.0311	7.1300e-003	1,330.2650
Mobile	0.2718	1.3790	4.0135	0.0170	1.5293	0.0121	1.5414	0.4098	0.0112	0.4210	0.0000	1,571.8212	1,571.8212	0.0676	0.0000	1,573.5117
Offroad	0.1115	1.0963	1.6044	2.2100e-003		0.0544	0.0544		0.0501	0.0501	0.0000	194.4126	194.4126	0.0629	0.0000	195.9846
Waste						0.0000	0.0000		0.0000	0.0000	24.7771	0.0000	24.7771	1.4643	0.0000	61.3842
Water						0.0000	0.0000		0.0000	0.0000	5.1646	165.8713	171.0359	0.5344	0.0133	188.3692
Total	**0.7800**	**2.5195**	**5.6632**	**0.0195**	**1.5293**	**0.0699**	**1.5992**	**0.4098**	**0.0647**	**0.4744**	**29.9417**	**3,259.4824**	**3,289.4241**	**2.1603**	**0.0205**	**3,349.5317**

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	0.3920	7.0000e-005	8.2400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0161	0.0161	4.0000e-005	0.0000	0.0171
Energy	4.8500e-003	0.0441	0.0371	2.6000e-004		3.3500e-003	3.3500e-003		3.3500e-003	3.3500e-003	0.0000	48.0422	48.0422	9.2000e-004	8.8000e-004	48.3277

Mobile	0.2718	1.3790	4.0135	0.0170	1.5293	0.0121	1.5414	0.4098	0.0112	0.4210	0.0000	1,571.8212	1,571.8212	0.0676	0.0000	1,573.5117
Offroad	0.1115	1.0963	1.6044	2.2100e-003		0.0544	0.0544		0.0501	0.0501	0.0000	194.4126	194.4126	0.0629	0.0000	195.9846
Waste						0.0000	0.0000		0.0000	0.0000	6.1943	0.0000	6.1943	0.3661	0.0000	15.3460
Water						0.0000	0.0000		0.0000	0.0000	3.5119	118.4415	121.9534	0.3635	9.1000e-003	133.7516
Total	**0.7800**	**2.5195**	**5.6632**	**0.0195**	**1.5293**	**0.0699**	**1.5992**	**0.4098**	**0.0647**	**0.4744**	**9.7062**	**1,932.7336**	**1,942.4398**	**0.8610**	**9.9800e-003**	**1,966.9387**

	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**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**67.58**	**40.70**	**40.95**	**60.14**	**51.25**	**41.28**

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	4/19/2021	8/18/2021	5	88	
2	Site Preparation	Site Preparation	4/19/2021	4/26/2021	5	6	
3	Grading One - Shoring 1	Grading	4/27/2021	8/18/2021	5	82	
4	Trenching	Trenching	8/19/2021	11/18/2021	5	66	
5	Grading Two - Excavation	Grading	8/19/2021	12/17/2021	5	87	
6	Grading Three - Shoring 2	Grading	8/19/2021	9/30/2021	5	31	
7	Paving One - Concrete Foundations	Paving	10/1/2021	12/17/2021	5	56	
8	Building Construction	Building Construction	2/21/2022	4/18/2024	5	564	
9	Architectural Coating	Architectural Coating	12/19/2023	4/18/2024	5	88	
10	Paving Two - Concrete Paving	Paving	1/19/2024	4/18/2024	5	65	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 137,511; Non-Residential Outdoor: 45,837; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Demolition	Concrete/Industrial Saws	3	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Demolition	Excavators	3	8.00	158	0.38
Grading One - Shoring 1	Excavators	0	0.00	0	0.00
Grading One - Shoring 1	Rubber Tired Dozers	0	0.00	0	0.00
Grading One - Shoring 1	Tractors/Loaders/Backhoes	0	0.00	0	0.00
Building Construction	Generator Sets	1	8.00	84	0.74
Paving One - Concrete Foundations	Pavers	0	0.00	0	0.00
Paving One - Concrete Foundations	Rollers	0	0.00	0	0.00
Grading One - Shoring 1	Graders	0	0.00	0	0.00
Paving One - Concrete Foundations	Paving Equipment	0	0.00	0	0.00
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45
Grading Two - Excavation	Excavators	2	8.00	158	0.38
Grading Three - Shoring 2	Excavators	0	0.00	0	0.00
Grading Two - Excavation	Graders	2	8.00	187	0.41
Grading Three - Shoring 2	Graders	0	0.00	0	0.00
Paving Two - Concrete Paving	Pavers	0	0.00	0	0.00
Paving Two - Concrete Paving	Paving Equipment	0	0.00	0	0.00
Paving Two - Concrete Paving	Rollers	2	8.00	80	0.38
Grading Two - Excavation	Rubber Tired Dozers	2	8.00	247	0.40
Grading Three - Shoring 2	Rubber Tired Dozers	0	0.00	0	0.00
Grading Two - Excavation	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Grading Three - Shoring 2	Tractors/Loaders/Backhoes	0	0.00	0	0.00
Demolition	Crawler Tractors	2	8.00	212	0.43
Grading One - Shoring 1	Cranes	1	8.00	231	0.29
Grading One - Shoring 1	Other Construction Equipment	1	8.00	172	0.42
Building Construction	Rollers	1	8.00	80	0.38
Paving One - Concrete Foundations	Cranes	2	8.00	231	0.29
Paving One - Concrete Foundations	Excavators	2	8.00	158	0.38
Paving One - Concrete Foundations	Forklifts	2	8.00	89	0.20
Paving One - Concrete Foundations	Generator Sets	1	8.00	84	0.74
Paving One - Concrete Foundations	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving One - Concrete Foundations	Welders	1	8.00	46	0.45
Grading Two - Excavation	Scrapers	2	8.00	367	0.48
Grading Three - Shoring 2	Bore/Drill Rigs	1	8.00	221	0.50
Trenching	Excavators	1	8.00	158	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving Two - Concrete Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving Two - Concrete Paving	Graders	1	8.00	187	0.41
Paving Two - Concrete Paving	Rubber Tired Loaders	1	8.00	203	0.36
Paving Two - Concrete Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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
Architectural Coating	1	26.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	11	124.00	51.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	10	26.00	0.00	138.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading One - Shoring 1	2	6.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving One - Concrete Foundations	10	26.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading Two - Excavation	11	28.00	0.00	10,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Grading Three - Shoring 2	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving Two - Concrete Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2021

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					0.0149	0.0000	0.0149	2.2600e-003	0.0000	2.2600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2215	2.2622	1.4859	2.9500e-003		0.1065	0.1065		0.0998	0.0998	0.0000	257.4492	257.4492	0.0644	0.0000	259.0600
Total	**0.2215**	**2.2622**	**1.4859**	**2.9500e-003**	**0.0149**	**0.1065**	**0.1214**	**2.2600e-003**	**0.0998**	**0.1021**	**0.0000**	**257.4492**	**257.4492**	**0.0644**	**0.0000**	**259.0600**

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	5.1000e-004	0.0180	3.8100e-003	5.0000e-005	1.1900e-003	5.0000e-005	1.2400e-003	3.3000e-004	5.0000e-005	3.8000e-004	0.0000	5.1522	5.1522	3.5000e-004	0.0000	5.1610
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	4.7700e-003	3.5200e-003	0.0399	1.2000e-004	0.0126	9.0000e-005	0.0127	3.3300e-003	9.0000e-005	3.4200e-003	0.0000	10.9328	10.9328	2.9000e-004	0.0000	10.9401
Total	**5.2800e-003**	**0.0215**	**0.0437**	**1.7000e-004**	**0.0137**	**1.4000e-004**	**0.0139**	**3.6600e-003**	**1.4000e-004**	**3.8000e-003**	**0.0000**	**16.0850**	**16.0850**	**6.4000e-004**	**0.0000**	**16.1011**

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					6.7100e-003	0.0000	6.7100e-003	1.0200e-003	0.0000	1.0200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0343	0.1487	1.6743	2.9500e-003		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003	0.0000	257.4489	257.4489	0.0644	0.0000	259.0597
Total	**0.0343**	**0.1487**	**1.6743**	**2.9500e-003**	**6.7100e-003**	**4.5700e-003**	**0.0113**	**1.0200e-003**	**4.5700e-003**	**5.5900e-003**	**0.0000**	**257.4489**	**257.4489**	**0.0644**	**0.0000**	**259.0597**

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	5.1000e-004	0.0180	3.8100e-003	5.0000e-005	1.1900e-003	5.0000e-005	1.2400e-003	3.3000e-004	5.0000e-005	3.8000e-004	0.0000	5.1522	5.1522	3.5000e-004	0.0000	5.1610
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	4.7700e-003	3.5200e-003	0.0399	1.2000e-004	0.0126	9.0000e-005	0.0127	3.3300e-003	9.0000e-005	3.4200e-003	0.0000	10.9328	10.9328	2.9000e-004	0.0000	10.9401
Total	**5.2800e-003**	**0.0215**	**0.0437**	**1.7000e-004**	**0.0137**	**1.4000e-004**	**0.0139**	**3.6600e-003**	**1.4000e-004**	**3.8000e-003**	**0.0000**	**16.0850**	**16.0850**	**6.4000e-004**	**0.0000**	**16.1011**

3.3 Site Preparation - 2021

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					0.0361	0.0000	0.0361	0.0199	0.0000	0.0199	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4000e-003	0.0772	0.0378	7.0000e-005		3.8700e-003	3.8700e-003		3.5600e-003	3.5600e-003	0.0000	6.1412	6.1412	1.9900e-003	0.0000	6.1909
Total	**7.4000e-003**	**0.0772**	**0.0378**	**7.0000e-005**	**0.0361**	**3.8700e-003**	**0.0400**	**0.0199**	**3.5600e-003**	**0.0234**	**0.0000**	**6.1412**	**6.1412**	**1.9900e-003**	**0.0000**	**6.1909**

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	1.3000e-004	9.0000e-005	1.0500e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2867	0.2867	1.0000e-005	0.0000	0.2869
Total	**1.3000e-004**	**9.0000e-005**	**1.0500e-003**	**0.0000**	**3.3000e-004**	**0.0000**	**3.3000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.2867**	**0.2867**	**1.0000e-005**	**0.0000**	**0.2869**

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					0.0163	0.0000	0.0163	8.9400e-003	0.0000	8.9400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.6000e-004	3.7100e-003	0.0371	7.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	6.1412	6.1412	1.9900e-003	0.0000	6.1909
Total	**8.6000e-004**	**3.7100e-003**	**0.0371**	**7.0000e-005**	**0.0163**	**1.1000e-004**	**0.0164**	**8.9400e-003**	**1.1000e-004**	**9.0500e-003**	**0.0000**	**6.1412**	**6.1412**	**1.9900e-003**	**0.0000**	**6.1909**

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	1.3000e-004	9.0000e-005	1.0500e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2867	0.2867	1.0000e-005	0.0000	0.2869
Total	**1.3000e-004**	**9.0000e-005**	**1.0500e-003**	**0.0000**	**3.3000e-004**	**0.0000**	**3.3000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.2867**	**0.2867**	**1.0000e-005**	**0.0000**	**0.2869**

3.4 Grading One - Shoring 1 - 2021

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0338	0.3752	0.2452	4.9000e-004		0.0173	0.0173		0.0159	0.0159	0.0000	42.6639	42.6639	0.0138	0.0000	43.0089
Total	**0.0338**	**0.3752**	**0.2452**	**4.9000e-004**	**0.0000**	**0.0173**	**0.0173**	**0.0000**	**0.0159**	**0.0159**	**0.0000**	**42.6639**	**42.6639**	**0.0138**	**0.0000**	**43.0089**

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	1.0300e-003	7.6000e-004	8.5700e-003	3.0000e-005	2.7000e-003	2.0000e-005	2.7200e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.3509	2.3509	6.0000e-005	0.0000	2.3525
Total	**1.0300e-003**	**7.6000e-004**	**8.5700e-003**	**3.0000e-005**	**2.7000e-003**	**2.0000e-005**	**2.7200e-003**	**7.2000e-004**	**2.0000e-005**	**7.4000e-004**	**0.0000**	**2.3509**	**2.3509**	**6.0000e-005**	**0.0000**	**2.3525**

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9900e-003	0.0260	0.2970	4.9000e-004		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	42.6639	42.6639	0.0138	0.0000	43.0088
Total	**5.9900e-003**	**0.0260**	**0.2970**	**4.9000e-004**	**0.0000**	**8.0000e-004**	**8.0000e-004**	**0.0000**	**8.0000e-004**	**8.0000e-004**	**0.0000**	**42.6639**	**42.6639**	**0.0138**	**0.0000**	**43.0088**

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	1.0300e-003	7.6000e-004	8.5700e-003	3.0000e-005	2.7000e-003	2.0000e-005	2.7200e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.3509	2.3509	6.0000e-005	0.0000	2.3525
Total	**1.0300e-003**	**7.6000e-004**	**8.5700e-003**	**3.0000e-005**	**2.7000e-003**	**2.0000e-005**	**2.7200e-003**	**7.2000e-004**	**2.0000e-005**	**7.4000e-004**	**0.0000**	**2.3509**	**2.3509**	**6.0000e-005**	**0.0000**	**2.3525**

3.5 Trenching - 2021

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	0.0199	0.1962	0.2572	3.8000e-004		0.0108	0.0108		9.9600e-003	9.9600e-003	0.0000	32.9904	32.9904	0.0107	0.0000	33.2572
Total	**0.0199**	**0.1962**	**0.2572**	**3.8000e-004**		**0.0108**	**0.0108**		**9.9600e-003**	**9.9600e-003**	**0.0000**	**32.9904**	**32.9904**	**0.0107**	**0.0000**	**33.2572**

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	1.1000e-003	8.1000e-004	9.2000e-003	3.0000e-005	2.9000e-003	2.0000e-005	2.9200e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.5229	2.5229	7.0000e-005	0.0000	2.5246

Total	**1.1000e-003**	**8.1000e-004**	**9.2000e-003**	**3.0000e-005**	**2.9000e-003**	**2.0000e-005**	**2.9200e-003**	**7.7000e-004**	**2.0000e-005**	**7.9000e-004**	**0.0000**	**2.5229**	**2.5229**	**7.0000e-005**	**0.0000**	**2.5246**

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	4.6000e-003	0.0200	0.2839	3.8000e-004		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	32.9904	32.9904	0.0107	0.0000	33.2572
Total	**4.6000e-003**	**0.0200**	**0.2839**	**3.8000e-004**		**6.1000e-004**	**6.1000e-004**		**6.1000e-004**	**6.1000e-004**	**0.0000**	**32.9904**	**32.9904**	**0.0107**	**0.0000**	**33.2572**

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	1.1000e-003	8.1000e-004	9.2000e-003	3.0000e-005	2.9000e-003	2.0000e-005	2.9200e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.5229	2.5229	7.0000e-005	0.0000	2.5246
Total	**1.1000e-003**	**8.1000e-004**	**9.2000e-003**	**3.0000e-005**	**2.9000e-003**	**2.0000e-005**	**2.9200e-003**	**7.7000e-004**	**2.0000e-005**	**7.9000e-004**	**0.0000**	**2.5229**	**2.5229**	**7.0000e-005**	**0.0000**	**2.5246**

3.6 Grading Two - Excavation - 2021

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					0.6680	0.0000	0.6680	0.3038	0.0000	0.3038	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2561	2.8405	1.6971	3.5000e-003		0.1227	0.1227		0.1129	0.1129	0.0000	307.4786	307.4786	0.0994	0.0000	309.9647
Total	**0.2561**	**2.8405**	**1.6971**	**3.5000e-003**	**0.6680**	**0.1227**	**0.7907**	**0.3038**	**0.1129**	**0.4167**	**0.0000**	**307.4786**	**307.4786**	**0.0994**	**0.0000**	**309.9647**

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	0.0367	1.3031	0.2764	3.8000e-003	0.0860	3.9500e-003	0.0899	0.0236	3.7800e-003	0.0274	0.0000	373.3496	373.3496	0.0256	0.0000	373.9887
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	5.0800e-003	3.7500e-003	0.0425	1.3000e-004	0.0134	1.0000e-004	0.0135	3.5500e-003	9.0000e-005	3.6400e-003	0.0000	11.6399	11.6399	3.1000e-004	0.0000	11.6477
Total	**0.0418**	**1.3068**	**0.3188**	**3.9300e-003**	**0.0993**	**4.0500e-003**	**0.1034**	**0.0272**	**3.8700e-003**	**0.0310**	**0.0000**	**384.9895**	**384.9895**	**0.0259**	**0.0000**	**385.6364**

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					0.3006	0.0000	0.3006	0.1367	0.0000	0.1367	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0429	0.1861	1.8365	3.5000e-003		5.7300e-003	5.7300e-003		5.7300e-003	5.7300e-003	0.0000	307.4783	307.4783	0.0994	0.0000	309.9644
Total	**0.0429**	**0.1861**	**1.8365**	**3.5000e-003**	**0.3006**	**5.7300e-003**	**0.3063**	**0.1367**	**5.7300e-003**	**0.1424**	**0.0000**	**307.4783**	**307.4783**	**0.0994**	**0.0000**	**309.9644**

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	0.0367	1.3031	0.2764	3.8000e-003	0.0860	3.9500e-003	0.0899	0.0236	3.7800e-003	0.0274	0.0000	373.3496	373.3496	0.0256	0.0000	373.9887
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	5.0800e-003	3.7500e-003	0.0425	1.3000e-004	0.0134	1.0000e-004	0.0135	3.5500e-003	9.0000e-005	3.6400e-003	0.0000	11.6399	11.6399	3.1000e-004	0.0000	11.6477
Total	**0.0418**	**1.3068**	**0.3188**	**3.9300e-003**	**0.0993**	**4.0500e-003**	**0.1034**	**0.0272**	**3.8700e-003**	**0.0310**	**0.0000**	**384.9895**	**384.9895**	**0.0259**	**0.0000**	**385.6364**

3.7 Grading Three - Shoring 2 - 2021

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0200e-003	0.0471	0.0323	1.5000e-004		1.4300e-003	1.4300e-003		1.3100e-003	1.3100e-003	0.0000	12.8890	12.8890	4.1700e-003	0.0000	12.9932
Total	**4.0200e-003**	**0.0471**	**0.0323**	**1.5000e-004**	**0.0000**	**1.4300e-003**	**1.4300e-003**	**0.0000**	**1.3100e-003**	**1.3100e-003**	**0.0000**	**12.8890**	**12.8890**	**4.1700e-003**	**0.0000**	**12.9932**

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	2.6000e-004	1.9000e-004	2.1600e-003	1.0000e-005	6.8000e-004	1.0000e-005	6.9000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5925	0.5925	2.0000e-005	0.0000	0.5929
Total	**2.6000e-004**	**1.9000e-004**	**2.1600e-003**	**1.0000e-005**	**6.8000e-004**	**1.0000e-005**	**6.9000e-004**	**1.8000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.5925**	**0.5925**	**2.0000e-005**	**0.0000**	**0.5929**

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8200e-003	7.8900e-003	0.0668	1.5000e-004		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	12.8890	12.8890	4.1700e-003	0.0000	12.9932
Total	**1.8200e-003**	**7.8900e-003**	**0.0668**	**1.5000e-004**	**0.0000**	**2.4000e-004**	**2.4000e-004**	**0.0000**	**2.4000e-004**	**2.4000e-004**	**0.0000**	**12.8890**	**12.8890**	**4.1700e-003**	**0.0000**	**12.9932**

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	2.6000e-004	1.9000e-004	2.1600e-003	1.0000e-005	6.8000e-004	1.0000e-005	6.9000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5925	0.5925	2.0000e-005	0.0000	0.5929
Total	**2.6000e-004**	**1.9000e-004**	**2.1600e-003**	**1.0000e-005**	**6.8000e-004**	**1.0000e-005**	**6.9000e-004**	**1.8000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.5925**	**0.5925**	**2.0000e-005**	**0.0000**	**0.5929**

3.8 Paving One - Concrete Foundations - 2021

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	0.0721	0.6940	0.6375	1.1300e-003		0.0346	0.0346		0.0323	0.0323	0.0000	97.6156	97.6156	0.0262	0.0000	98.2717
Paving	1.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0722**	**0.6940**	**0.6375**	**1.1300e-003**		**0.0346**	**0.0346**		**0.0323**	**0.0323**	**0.0000**	**97.6156**	**97.6156**	**0.0262**	**0.0000**	**98.2717**

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	3.0300e-003	2.2400e-003	0.0254	8.0000e-005	7.9900e-003	6.0000e-005	8.0500e-003	2.1200e-003	6.0000e-005	2.1800e-003	0.0000	6.9572	6.9572	1.9000e-004	0.0000	6.9619

Total	**3.0300e-003**	**2.2400e-003**	**0.0254**	**8.0000e-005**	**7.9900e-003**	**6.0000e-005**	**8.0500e-003**	**2.1200e-003**	**6.0000e-005**	**2.1800e-003**	**0.0000**	**6.9572**	**6.9572**	**1.9000e-004**	**0.0000**	**6.9619**

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	0.0138	0.0825	0.7166	1.1300e-003		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	97.6155	97.6155	0.0262	0.0000	98.2715
Paving	1.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0139**	**0.0825**	**0.7166**	**1.1300e-003**		**1.7500e-003**	**1.7500e-003**		**1.7500e-003**	**1.7500e-003**	**0.0000**	**97.6155**	**97.6155**	**0.0262**	**0.0000**	**98.2715**

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	3.0300e-003	2.2400e-003	0.0254	8.0000e-005	7.9900e-003	6.0000e-005	8.0500e-003	2.1200e-003	6.0000e-005	2.1800e-003	0.0000	6.9572	6.9572	1.9000e-004	0.0000	6.9619
Total	**3.0300e-003**	**2.2400e-003**	**0.0254**	**8.0000e-005**	**7.9900e-003**	**6.0000e-005**	**8.0500e-003**	**2.1200e-003**	**6.0000e-005**	**2.1800e-003**	**0.0000**	**6.9572**	**6.9572**	**1.9000e-004**	**0.0000**	**6.9619**

3.9 Building Construction - 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					
Off-Road	0.2471	2.3604	2.2338	3.8900e-003		0.1192	0.1192		0.1115	0.1115	0.0000	336.2008	336.2008	0.0869	0.0000	338.3727
Total	**0.2471**	**2.3604**	**2.2338**	**3.8900e-003**		**0.1192**	**0.1192**		**0.1115**	**0.1115**	**0.0000**	**336.2008**	**336.2008**	**0.0869**	**0.0000**	**338.3727**

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	0.0153	0.5264	0.1301	1.4300e-003	0.0362	9.7000e-004	0.0371	0.0104	9.3000e-004	0.0114	0.0000	138.8457	138.8457	8.5200e-003	0.0000	139.0589
Worker	0.0546	0.0388	0.4489	1.4200e-003	0.1531	1.1100e-003	0.1542	0.0407	1.0300e-003	0.0417	0.0000	128.5349	128.5349	3.2300e-003	0.0000	128.6156
Total	**0.0699**	**0.5652**	**0.5790**	**2.8500e-003**	**0.1892**	**2.0800e-003**	**0.1913**	**0.0511**	**1.9600e-003**	**0.0530**	**0.0000**	**267.3806**	**267.3806**	**0.0118**	**0.0000**	**267.6745**

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	0.0474	0.2971	2.4405	3.8900e-003		6.0000e-003	6.0000e-003		6.0000e-003	6.0000e-003	0.0000	336.2004	336.2004	0.0869	0.0000	338.3723
Total	**0.0474**	**0.2971**	**2.4405**	**3.8900e-003**		**6.0000e-003**	**6.0000e-003**		**6.0000e-003**	**6.0000e-003**	**0.0000**	**336.2004**	**336.2004**	**0.0869**	**0.0000**	**338.3723**

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	0.0153	0.5264	0.1301	1.4300e-003	0.0362	9.7000e-004	0.0371	0.0104	9.3000e-004	0.0114	0.0000	138.8457	138.8457	8.5200e-003	0.0000	139.0589
Worker	0.0546	0.0388	0.4489	1.4200e-003	0.1531	1.1100e-003	0.1542	0.0407	1.0300e-003	0.0417	0.0000	128.5349	128.5349	3.2300e-003	0.0000	128.6156
Total	**0.0699**	**0.5652**	**0.5790**	**2.8500e-003**	**0.1892**	**2.0800e-003**	**0.1913**	**0.0511**	**1.9600e-003**	**0.0530**	**0.0000**	**267.3806**	**267.3806**	**0.0118**	**0.0000**	**267.6745**

3.9 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	0.2642	2.5107	2.5581	4.5000e-003		0.1205	0.1205		0.1127	0.1127	0.0000	388.6014	388.6014	0.0999	0.0000	391.0990
Total	**0.2642**	**2.5107**	**2.5581**	**4.5000e-003**		**0.1205**	**0.1205**		**0.1127**	**0.1127**	**0.0000**	**388.6014**	**388.6014**	**0.0999**	**0.0000**	**391.0990**

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	0.0132	0.4577	0.1344	1.6000e-003	0.0418	5.2000e-004	0.0423	0.0121	5.0000e-004	0.0126	0.0000	155.6078	155.6078	8.5600e-003	0.0000	155.8219
Worker	0.0594	0.0406	0.4783	1.5800e-003	0.1769	1.2500e-003	0.1781	0.0470	1.1600e-003	0.0481	0.0000	142.9899	142.9899	3.3600e-003	0.0000	143.0740
Total	**0.0726**	**0.4983**	**0.6127**	**3.1800e-003**	**0.2187**	**1.7700e-003**	**0.2204**	**0.0590**	**1.6600e-003**	**0.0607**	**0.0000**	**298.5977**	**298.5977**	**0.0119**	**0.0000**	**298.8958**

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	0.0548	0.3434	2.8201	4.5000e-003		6.9300e-003	6.9300e-003		6.9300e-003	6.9300e-003	0.0000	388.6009	388.6009	0.0999	0.0000	391.0986
Total	**0.0548**	**0.3434**	**2.8201**	**4.5000e-003**		**6.9300e-003**	**6.9300e-003**		**6.9300e-003**	**6.9300e-003**	**0.0000**	**388.6009**	**388.6009**	**0.0999**	**0.0000**	**391.0986**

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	0.0132	0.4577	0.1344	1.6000e-003	0.0418	5.2000e-004	0.0423	0.0121	5.0000e-004	0.0126	0.0000	155.6078	155.6078	8.5600e-003	0.0000	155.8219
Worker	0.0594	0.0406	0.4783	1.5800e-003	0.1769	1.2500e-003	0.1781	0.0470	1.1600e-003	0.0481	0.0000	142.9899	142.9899	3.3600e-003	0.0000	143.0740
Total	**0.0726**	**0.4983**	**0.6127**	**3.1800e-003**	**0.2187**	**1.7700e-003**	**0.2204**	**0.0590**	**1.6600e-003**	**0.0607**	**0.0000**	**298.5977**	**298.5977**	**0.0119**	**0.0000**	**298.8958**

3.9 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	0.0753	0.7116	0.7721	1.3700e-003		0.0324	0.0324		0.0303	0.0303	0.0000	118.0935	118.0935	0.0302	0.0000	118.8493
Total	**0.0753**	**0.7116**	**0.7721**	**1.3700e-003**		**0.0324**	**0.0324**		**0.0303**	**0.0303**	**0.0000**	**118.0935**	**118.0935**	**0.0302**	**0.0000**	**118.8493**

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	3.9300e-003	0.1387	0.0397	4.9000e-004	0.0127	1.6000e-004	0.0129	3.6600e-003	1.5000e-004	3.8100e-003	0.0000	47.1138	47.1138	2.5600e-003	0.0000	47.1778
Worker	0.0171	0.0112	0.1355	4.6000e-004	0.0537	3.8000e-004	0.0541	0.0143	3.5000e-004	0.0146	0.0000	42.0172	42.0172	9.4000e-004	0.0000	42.0406

Total	**0.0210**	**0.1500**	**0.1752**	**9.5000e-004**	**0.0664**	**5.4000e-004**	**0.0670**	**0.0179**	**5.0000e-004**	**0.0184**	**0.0000**	**89.1309**	**89.1309**	**3.5000e-003**	**0.0000**	**89.2183**

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	0.0167	0.1043	0.8569	1.3700e-003		2.1100e-003	2.1100e-003		2.1100e-003	2.1100e-003	0.0000	118.0934	118.0934	0.0302	0.0000	118.8492
Total	**0.0167**	**0.1043**	**0.8569**	**1.3700e-003**		**2.1100e-003**	**2.1100e-003**		**2.1100e-003**	**2.1100e-003**	**0.0000**	**118.0934**	**118.0934**	**0.0302**	**0.0000**	**118.8492**

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	3.9300e-003	0.1387	0.0397	4.9000e-004	0.0127	1.6000e-004	0.0129	3.6600e-003	1.5000e-004	3.8100e-003	0.0000	47.1138	47.1138	2.5600e-003	0.0000	47.1778
Worker	0.0171	0.0112	0.1355	4.6000e-004	0.0537	3.8000e-004	0.0541	0.0143	3.5000e-004	0.0146	0.0000	42.0172	42.0172	9.4000e-004	0.0000	42.0406
Total	**0.0210**	**0.1500**	**0.1752**	**9.5000e-004**	**0.0664**	**5.4000e-004**	**0.0670**	**0.0179**	**5.0000e-004**	**0.0184**	**0.0000**	**89.1309**	**89.1309**	**3.5000e-003**	**0.0000**	**89.2183**

3.10 Architectural Coating - 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					
Archit. Coating	0.0466					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.6000e-004	5.8600e-003	8.1500e-003	1.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	1.1490	1.1490	7.0000e-005	0.0000	1.1507
Total	**0.0475**	**5.8600e-003**	**8.1500e-003**	**1.0000e-005**		**3.2000e-004**	**3.2000e-004**		**3.2000e-004**	**3.2000e-004**	**0.0000**	**1.1490**	**1.1490**	**7.0000e-005**	**0.0000**	**1.1507**

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	4.3000e-004	2.9000e-004	3.4700e-003	1.0000e-005	1.2800e-003	1.0000e-005	1.2900e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.0378	1.0378	2.0000e-005	0.0000	1.0384
Total	**4.3000e-004**	**2.9000e-004**	**3.4700e-003**	**1.0000e-005**	**1.2800e-003**	**1.0000e-005**	**1.2900e-003**	**3.4000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**1.0378**	**1.0378**	**2.0000e-005**	**0.0000**	**1.0384**

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	0.0466					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.6000e-004	5.8600e-003	8.1500e-003	1.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	1.1490	1.1490	7.0000e-005	0.0000	1.1507
Total	**0.0475**	**5.8600e-003**	**8.1500e-003**	**1.0000e-005**		**3.2000e-004**	**3.2000e-004**		**3.2000e-004**	**3.2000e-004**	**0.0000**	**1.1490**	**1.1490**	**7.0000e-005**	**0.0000**	**1.1507**

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	4.3000e-004	2.9000e-004	3.4700e-003	1.0000e-005	1.2800e-003	1.0000e-005	1.2900e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.0378	1.0378	2.0000e-005	0.0000	1.0384
Total	**4.3000e-004**	**2.9000e-004**	**3.4700e-003**	**1.0000e-005**	**1.2800e-003**	**1.0000e-005**	**1.2900e-003**	**3.4000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**1.0378**	**1.0378**	**2.0000e-005**	**0.0000**	**1.0384**

3.10 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	0.4092					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1400e-003	0.0481	0.0715	1.2000e-004		2.4100e-003	2.4100e-003		2.4100e-003	2.4100e-003	0.0000	10.0854	10.0854	5.7000e-004	0.0000	10.0996
Total	**0.4163**	**0.0481**	**0.0715**	**1.2000e-004**		**2.4100e-003**	**2.4100e-003**		**2.4100e-003**	**2.4100e-003**	**0.0000**	**10.0854**	**10.0854**	**5.7000e-004**	**0.0000**	**10.0996**

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	3.5900e-003	2.3600e-003	0.0284	1.0000e-004	0.0113	8.0000e-005	0.0114	2.9900e-003	7.0000e-005	3.0700e-003	0.0000	8.8101	8.8101	2.0000e-004	0.0000	8.8150
Total	**3.5900e-003**	**2.3600e-003**	**0.0284**	**1.0000e-004**	**0.0113**	**8.0000e-005**	**0.0114**	**2.9900e-003**	**7.0000e-005**	**3.0700e-003**	**0.0000**	**8.8101**	**8.8101**	**2.0000e-004**	**0.0000**	**8.8150**

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	0.4092					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1400e-003	0.0481	0.0715	1.2000e-004		2.4100e-003	2.4100e-003		2.4100e-003	2.4100e-003	0.0000	10.0853	10.0853	5.7000e-004	0.0000	10.0995
Total	**0.4163**	**0.0481**	**0.0715**	**1.2000e-004**		**2.4100e-003**	**2.4100e-003**		**2.4100e-003**	**2.4100e-003**	**0.0000**	**10.0853**	**10.0853**	**5.7000e-004**	**0.0000**	**10.0995**

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	3.5900e-003	2.3600e-003	0.0284	1.0000e-004	0.0113	8.0000e-005	0.0114	2.9900e-003	7.0000e-005	3.0700e-003	0.0000	8.8101	8.8101	2.0000e-004	0.0000	8.8150
Total	**3.5900e-003**	**2.3600e-003**	**0.0284**	**1.0000e-004**	**0.0113**	**8.0000e-005**	**0.0114**	**2.9900e-003**	**7.0000e-005**	**3.0700e-003**	**0.0000**	**8.8101**	**8.8101**	**2.0000e-004**	**0.0000**	**8.8150**

3.11 Paving Two - Concrete Paving - 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	0.0368	0.3746	0.3102	7.2000e-004		0.0150	0.0150		0.0139	0.0139	0.0000	62.8479	62.8479	0.0198	0.0000	63.3437
Paving	1.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0369**	**0.3746**	**0.3102**	**7.2000e-004**		**0.0150**	**0.0150**		**0.0139**	**0.0139**	**0.0000**	**62.8479**	**62.8479**	**0.0198**	**0.0000**	**63.3437**

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	2.0400e-003	1.3400e-003	0.0162	6.0000e-005	6.4200e-003	4.0000e-005	6.4600e-003	1.7000e-003	4.0000e-005	1.7500e-003	0.0000	5.0184	5.0184	1.1000e-004	0.0000	5.0212

Total	**2.0400e-003**	**1.3400e-003**	**0.0162**	**6.0000e-005**	**6.4200e-003**	**4.0000e-005**	**6.4600e-003**	**1.7000e-003**	**4.0000e-005**	**1.7500e-003**	**0.0000**	**5.0184**	**5.0184**	**1.1000e-004**	**0.0000**	**5.0212**

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	8.4700e-003	0.0367	0.3938	7.2000e-004		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003	0.0000	62.8478	62.8478	0.0198	0.0000	63.3437
Paving	1.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.6100e-003**	**0.0367**	**0.3938**	**7.2000e-004**		**1.1300e-003**	**1.1300e-003**		**1.1300e-003**	**1.1300e-003**	**0.0000**	**62.8478**	**62.8478**	**0.0198**	**0.0000**	**63.3437**

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	2.0400e-003	1.3400e-003	0.0162	6.0000e-005	6.4200e-003	4.0000e-005	6.4600e-003	1.7000e-003	4.0000e-005	1.7500e-003	0.0000	5.0184	5.0184	1.1000e-004	0.0000	5.0212
Total	**2.0400e-003**	**1.3400e-003**	**0.0162**	**6.0000e-005**	**6.4200e-003**	**4.0000e-005**	**6.4600e-003**	**1.7000e-003**	**4.0000e-005**	**1.7500e-003**	**0.0000**	**5.0184**	**5.0184**	**1.1000e-004**	**0.0000**	**5.0212**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	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	0.2718	1.3790	4.0135	0.0170	1.5293	0.0121	1.5414	0.4098	0.0112	0.4210	0.0000	1,571.8212	1,571.8212	0.0676	0.0000	1,573.5117
Unmitigated	0.2718	1.3790	4.0135	0.0170	1.5293	0.0121	1.5414	0.4098	0.0112	0.4210	0.0000	1,571.8212	1,571.8212	0.0676	0.0000	1,573.5117

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	195.97	0.00	0.00	450,932	450,932
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	833.96	833.96	833.96	3,574,127	3,574,127
Total	1,029.93	833.96	833.96	4,025,059	4,025,059

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
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28
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
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Enclosed Parking with Elevator	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
General Office Building	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Government Office Building	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Parking Lot	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Unrefrigerated Warehouse-No Rail	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable 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	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,279.3190	1,279.3190	0.0302	6.2500e-003	1,281.9373
NaturalGas Mitigated	4.8500e-003	0.0441	0.0371	2.6000e-004		3.3500e-003	3.3500e-003		3.3500e-003	3.3500e-003	0.0000	48.0422	48.0422	9.2000e-004	8.8000e-004	48.3277
NaturalGas Unmitigated	4.8500e-003	0.0441	0.0371	2.6000e-004		3.3500e-003	3.3500e-003		3.3500e-003	3.3500e-003	0.0000	48.0422	48.0422	9.2000e-004	8.8000e-004	48.3277

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					
Automobile Care Center	229472	1.2400e-003	0.0113	9.4500e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	12.2455	12.2455	2.3000e-004	2.2000e-004	12.3183
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	558913	3.0100e-003	0.0274	0.0230	1.6000e-004		2.0800e-003	2.0800e-003		2.0800e-003	2.0800e-003	0.0000	29.8257	29.8257	5.7000e-004	5.5000e-004	30.0030
Government Office Building	98072.6	5.3000e-004	4.8100e-003	4.0400e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	5.2335	5.2335	1.0000e-004	1.0000e-004	5.2646
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
Unrefrigerated Warehouse-No Rail	13820	7.0000e-005	6.8000e-004	5.7000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.7375	0.7375	1.0000e-005	1.0000e-005	0.7419
Total		**4.8500e-003**	**0.0441**	**0.0371**	**2.6000e-004**		**3.3500e-003**	**3.3500e-003**		**3.3500e-003**	**3.3500e-003**	**0.0000**	**48.0422**	**48.0422**	**9.1000e-004**	**8.8000e-004**	**48.3277**

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					
Automobile Care Center	229472	1.2400e-003	0.0113	9.4500e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	12.2455	12.2455	2.3000e-004	2.2000e-004	12.3183
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	558913	3.0100e-003	0.0274	0.0230	1.6000e-004		2.0800e-003	2.0800e-003		2.0800e-003	2.0800e-003	0.0000	29.8257	29.8257	5.7000e-004	5.5000e-004	30.0030
Government Office Building	98072.6	5.3000e-004	4.8100e-003	4.0400e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	5.2335	5.2335	1.0000e-004	1.0000e-004	5.2646
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
Unrefrigerated Warehouse-No Rail	13820	7.0000e-005	6.8000e-004	5.7000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.7375	0.7375	1.0000e-005	1.0000e-005	0.7419

Total		**4.8500e-003**	**0.0441**	**0.0371**	**2.6000e-004**		**3.3500e-003**	**3.3500e-003**		**3.3500e-003**	**3.3500e-003**	**0.0000**	**48.0422**	**48.0422**	**9.1000e-004**	**8.8000e-004**	**48.3277**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	140726	78.3789	1.8500e-003	3.8000e-004	78.5393
Enclosed Parking with Elevator	1.27279e+006	708.8962	0.0167	3.4600e-003	710.3470
General Office Building	697433	388.4434	9.1700e-003	1.9000e-003	389.2384
Government Office Building	122379	68.1603	1.6100e-003	3.3000e-004	68.2998
Parking Lot	1680	0.9357	2.0000e-005	0.0000	0.9376
Unrefrigerated Warehouse-No Rail	61951.5	34.5046	8.1000e-004	1.7000e-004	34.5752
Total		**1,279.3190**	**0.0302**	**6.2400e-003**	**1,281.9373**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	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	0	0.0000	0.0000	0.0000	0.0000

Government Office Building	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	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	0.3920	7.0000e-005	8.2400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0161	0.0161	4.0000e-005	0.0000	0.0171
Unmitigated	0.3920	7.0000e-005	8.2400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0161	0.0161	4.0000e-005	0.0000	0.0171

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	0.0456					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Consumer Products	0.3456					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.6000e-004	7.0000e-005	8.2400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0161	0.0161	4.0000e-005	0.0000	0.0171
Total	**0.3920**	**7.0000e-005**	**8.2400e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0161**	**0.0161**	**4.0000e-005**	**0.0000**	**0.0171**

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	0.0456					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3456					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.6000e-004	7.0000e-005	8.2400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0161	0.0161	4.0000e-005	0.0000	0.0171
Total	**0.3920**	**7.0000e-005**	**8.2400e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0161**	**0.0161**	**4.0000e-005**	**0.0000**	**0.0171**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Grey Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	121.9534	0.3635	9.1000e-003	133.7516
Unmitigated	171.0359	0.5344	0.0133	188.3692

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	1.19295 / 0.731162	13.5543	0.0392	9.8000e-004	14.8266
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	9.54252 / 5.84864	108.4222	0.3134	7.8600e-003	118.5994
Government Office Building	1.87137 / 1.14697	21.2626	0.0615	1.5400e-003	23.2584
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	3.67225 / 0	27.7969	0.1203	2.9600e-003	31.6849
Total		**171.0359**	**0.5344**	**0.0133**	**188.3692**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

Land Use	Mgal	MT/yr			
Automobile Care Center	0.811205 / 0.583577	9.7515	0.0267	6.7000e-004	10.6177
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	6.48892 / 4.6681	78.0030	0.2132	5.3600e-003	84.9322
Government Office Building	1.27253 / 0.915455	15.2971	0.0418	1.0500e-003	16.6560
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	2.49713 / 0	18.9019	0.0818	2.0100e-003	21.5457
Total		**121.9534**	**0.3635**	**9.0900e-003**	**133.7517**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	6.1943	0.3661	0.0000	15.3460
Unmitigated	24.7771	1.4643	0.0000	61.3842

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	48.44	9.8329	0.5811	0.0000	24.3606
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	49.93	10.1353	0.5990	0.0000	25.1099
Government Office Building	8.76	1.7782	0.1051	0.0000	4.4054
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	14.93	3.0307	0.1791	0.0000	7.5083
Total		**24.7771**	**1.4643**	**0.0000**	**61.3842**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	12.11	2.4582	0.1453	0.0000	6.0901
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	12.4825	2.5338	0.1498	0.0000	6.2775
Government Office Building	2.19	0.4446	0.0263	0.0000	1.1014
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	3.7325	0.7577	0.0448	0.0000	1.8771

Total		**6.1943**	**0.3661**	**0.0000**	**15.3460**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	4	8.00	260	97	0.37	Diesel
Forklifts	3	8.00	260	89	0.20	Diesel

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					
Forklifts	0.0369	0.3463	0.4466	6.0000e-004		0.0200	0.0200		0.0184	0.0184	0.0000	52.6355	52.6355	0.0170	0.0000	53.0611
Tractors/Loaders/ Backhoes	0.0745	0.7500	1.1578	1.6100e-003		0.0344	0.0344		0.0317	0.0317	0.0000	141.7771	141.7771	0.0459	0.0000	142.9235
Total	**0.1115**	**1.0963**	**1.6044**	**2.2100e-003**		**0.0544**	**0.0544**		**0.0501**	**0.0501**	**0.0000**	**194.4126**	**194.4126**	**0.0629**	**0.0000**	**195.9845**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	4	30	600	1	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

LADWP - West LA District Yard Project

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	53.69	1000sqft	1.23	53,690.00	0
Unrefrigerated Warehouse-No Rail	15.89	1000sqft	0.36	15,885.00	0
Automobile Care Center	12.68	1000sqft	0.29	12,678.00	0
Enclosed Parking with Elevator	543.00	Space	4.89	217,200.00	0
Parking Lot	12.00	Space	0.11	4,800.00	0
Government Office Building	9.42	1000sqft	0.22	9,421.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operational year 2024.

Land Use - Project specific square footage and acreage provided by LADWP

Construction Phase - Construction phasing provided by LADWP.

Off-road Equipment - Construction equipment information provided by LADWP.

Off-road Equipment - Construction equipment information provided by LADWP.

Off-road Equipment - Construction equipment information provided by LADWP.

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Off-road Equipment - Construction equipment information provided by LADWP.

Off-road Equipment - Construction equipment information provided by LADWP.

Off-road Equipment - Construction equipment information provided by LADWP.

Off-road Equipment - Construction equipment information provided by LADWP.

Grading - 100,000 CY of export is anticipated.

Trips and VMT - Trips were rounded up to the highest even value.

Vehicle Trips - Trip generation rates were modified to be consistent with the trip generation assumptions in the TIA for the project.

Operational Off-Road Equipment - Equipment information provided by LADWP.

Stationary Sources - Emergency Generators and Fire Pumps - NA

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403 and Mitigation Measure AQ-1: use of Tier 4 final engines in construction equipment

Energy Mitigation - Onsite Electricity generation from on-site solar is anticipated to meet the project's electricity demand per LADWP.

Water Mitigation - Per LADWP grey water use and water reduction measures were assumed as design features.

Waste Mitigation - Consistent with AB 939 a 50% waste diversion rate was assumed.

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tblConstructionPhase	PhaseStartDate	1/28/2021	10/1/2021
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2.0 Emissions Summary

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					
2021	10.1658	125.2773	78.0662	0.2270	18.0572	4.4785	22.5357	7.7179	4.1429	11.8607	0.0000	22,958.1353	22,958.1353	4.5641	0.0000	23,072.2369
2022	2.8208	25.9048	25.2665	0.0607	1.7124	1.0776	2.7901	0.4616	1.0086	1.4702	0.0000	5,995.4834	5,995.4834	0.9655	0.0000	6,019.6214
2023	13.2400	24.4425	27.2974	0.0655	2.0031	1.0130	3.0161	0.5386	0.9525	1.4911	0.0000	6,453.9433	6,453.9433	0.9709	0.0000	6,478.2167
2024	14.2703	34.5836	36.9035	0.0890	2.2043	1.3599	3.5641	0.5920	1.2705	1.8624	0.0000	8,709.6206	8,709.6206	1.6391	0.0000	8,750.5983
Maximum	**14.2703**	**125.2773**	**78.0662**	**0.2270**	**18.0572**	**4.4785**	**22.5357**	**7.7179**	**4.1429**	**11.8607**	**0.0000**	**22,958.1353**	**22,958.1353**	**4.5641**	**0.0000**	**23,072.2369**

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					
2021	2.7191	37.0754	84.9042	0.2270	9.6116	0.3081	9.9196	3.8769	0.3038	4.1806	0.0000	22,958.1353	22,958.1353	4.5641	0.0000	23,072.2369
2022	1.0457	7.5650	27.1039	0.0607	1.7124	0.0717	1.7841	0.4616	0.0705	0.5321	0.0000	5,995.4834	5,995.4834	0.9655	0.0000	6,019.6214
2023	11.6296	7.7704	29.3128	0.0655	2.0031	0.1397	2.1428	0.5386	0.1386	0.6772	0.0000	6,453.9433	6,453.9433	0.9709	0.0000	6,478.2167
2024	11.9153	8.8145	41.6220	0.0890	2.2043	0.1658	2.3700	0.5920	0.1646	0.7566	0.0000	8,709.6206	8,709.6206	1.6391	0.0000	8,750.5983
Maximum	**11.9153**	**37.0754**	**84.9042**	**0.2270**	**9.6116**	**0.3081**	**9.9196**	**3.8769**	**0.3038**	**4.1806**	**0.0000**	**22,958.1353**	**22,958.1353**	**4.5641**	**0.0000**	**23,072.2369**

	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	**32.56**	**70.87**	**-9.20**	**0.00**	**35.22**	**91.36**	**49.17**	**41.26**	**90.81**	**63.16**	**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	2.1496	6.0000e-004	0.0659	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1415	0.1415	3.7000e-004		0.1508
Energy	0.0266	0.2418	0.2031	1.4500e-003		0.0184	0.0184		0.0184	0.0184		290.1780	290.1780	5.5600e-003	5.3200e-003	291.9024
Mobile	1.6844	7.6568	24.4939	0.1016	8.9416	0.0692	9.0108	2.3922	0.0643	2.4565		10,350.8970	10,350.8970	0.4329		10,361.7202
Offroad	0.8574	8.4333	12.3412	0.0170		0.4186	0.4186		0.3851	0.3851		1,648.4864	1,648.4864	0.5332		1,661.8152

Total	**4.7180**	**16.3326**	**37.1041**	**0.1200**	**8.9416**	**0.5064**	**9.4480**	**2.3922**	**0.4681**	**2.8602**		**12,289.7029**	**12,289.7029**	**0.9720**	**5.3200e-003**	**12,315.5886**

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	2.1496	6.0000e-004	0.0659	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1415	0.1415	3.7000e-004		0.1508
Energy	0.0266	0.2418	0.2031	1.4500e-003		0.0184	0.0184		0.0184	0.0184		290.1780	290.1780	5.5600e-003	5.3200e-003	291.9024
Mobile	1.6844	7.6568	24.4939	0.1016	8.9416	0.0692	9.0108	2.3922	0.0643	2.4565		10,350.8970	10,350.8970	0.4329		10,361.7202
Offroad	0.8574	8.4333	12.3412	0.0170		0.4186	0.4186		0.3851	0.3851		1,648.4864	1,648.4864	0.5332		1,661.8152
Total	**4.7180**	**16.3326**	**37.1041**	**0.1200**	**8.9416**	**0.5064**	**9.4480**	**2.3922**	**0.4681**	**2.8602**		**12,289.7029**	**12,289.7029**	**0.9720**	**5.3200e-003**	**12,315.5886**

	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**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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	4/19/2021	8/18/2021	5	88	
2	Site Preparation	Site Preparation	4/19/2021	4/26/2021	5	6	
3	Grading One - Shoring 1	Grading	4/27/2021	8/18/2021	5	82	
4	Trenching	Trenching	8/19/2021	11/18/2021	5	66	
5	Grading Two - Excavation	Grading	8/19/2021	12/17/2021	5	87	
6	Grading Three - Shoring 2	Grading	8/19/2021	9/30/2021	5	31	

7	Paving One - Concrete Foundations	Paving	10/1/2021	12/17/2021	5	56	
8	Building Construction	Building Construction	2/21/2022	4/18/2024	5	564	
9	Architectural Coating	Architectural Coating	12/19/2023	4/18/2024	5	88	
10	Paving Two - Concrete Paving	Paving	1/19/2024	4/18/2024	5	65	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 137,511; Non-Residential Outdoor: 45,837; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Demolition	Concrete/Industrial Saws	3	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Demolition	Excavators	3	8.00	158	0.38
Grading One - Shoring 1	Excavators	0	0.00	0	0.00
Grading One - Shoring 1	Rubber Tired Dozers	0	0.00	0	0.00
Grading One - Shoring 1	Tractors/Loaders/Backhoes	0	0.00	0	0.00
Building Construction	Generator Sets	1	8.00	84	0.74
Paving One - Concrete Foundations	Pavers	0	0.00	0	0.00
Paving One - Concrete Foundations	Rollers	0	0.00	0	0.00
Grading One - Shoring 1	Graders	0	0.00	0	0.00
Paving One - Concrete Foundations	Paving Equipment	0	0.00	0	0.00
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Grading Two - Excavation	Excavators	2	8.00	158	0.38
Grading Three - Shoring 2	Excavators	0	0.00	0	0.00
Grading Two - Excavation	Graders	2	8.00	187	0.41
Grading Three - Shoring 2	Graders	0	0.00	0	0.00
Paving Two - Concrete Paving	Pavers	0	0.00	0	0.00
Paving Two - Concrete Paving	Paving Equipment	0	0.00	0	0.00
Paving Two - Concrete Paving	Rollers	2	8.00	80	0.38
Grading Two - Excavation	Rubber Tired Dozers	2	8.00	247	0.40
Grading Three - Shoring 2	Rubber Tired Dozers	0	0.00	0	0.00
Grading Two - Excavation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading Three - Shoring 2	Tractors/Loaders/Backhoes	0	0.00	0	0.00
Demolition	Crawler Tractors	2	8.00	212	0.43
Grading One - Shoring 1	Cranes	1	8.00	231	0.29
Grading One - Shoring 1	Other Construction Equipment	1	8.00	172	0.42
Building Construction	Rollers	1	8.00	80	0.38
Paving One - Concrete Foundations	Cranes	2	8.00	231	0.29
Paving One - Concrete Foundations	Excavators	2	8.00	158	0.38
Paving One - Concrete Foundations	Forklifts	2	8.00	89	0.20
Paving One - Concrete Foundations	Generator Sets	1	8.00	84	0.74
Paving One - Concrete Foundations	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving One - Concrete Foundations	Welders	1	8.00	46	0.45
Grading Two - Excavation	Scrapers	2	8.00	367	0.48
Grading Three - Shoring 2	Bore/Drill Rigs	1	8.00	221	0.50
Trenching	Excavators	1	8.00	158	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving Two - Concrete Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving Two - Concrete Paving	Graders	1	8.00	187	0.41
Paving Two - Concrete Paving	Rubber Tired Loaders	1	8.00	203	0.36
Paving Two - Concrete Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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
Architectural Coating	1	26.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	11	124.00	51.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	10	26.00	0.00	138.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading One - Shoring 1	2	6.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving One - Concrete Foundations	10	26.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading Two - Excavation	11	28.00	0.00	10,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading Three - Shoring 2	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving Two - Concrete Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2021

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					0.3390	0.0000	0.3390	0.0513	0.0000	0.0513			0.0000			0.0000
Off-Road	5.0335	51.4137	33.7697	0.0670		2.4204	2.4204		2.2684	2.2684		6,449.7544	6,449.7544	1.6142		6,490.1091
Total	**5.0335**	**51.4137**	**33.7697**	**0.0670**	**0.3390**	**2.4204**	**2.7595**	**0.0513**	**2.2684**	**2.3197**		**6,449.7544**	**6,449.7544**	**1.6142**		**6,490.1091**

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	0.0114	0.3967	0.0840	1.2000e-003	0.0274	1.2300e-003	0.0286	7.5100e-003	1.1800e-003	8.6900e-003		130.0869	130.0869	8.6800e-003		130.3039
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
Worker	0.1098	0.0712	0.9795	2.8900e-003	0.2906	2.1400e-003	0.2928	0.0771	1.9700e-003	0.0790		287.9249	287.9249	7.7400e-003		288.1184
Total	**0.1211**	**0.4679**	**1.0635**	**4.0900e-003**	**0.3180**	**3.3700e-003**	**0.3214**	**0.0846**	**3.1500e-003**	**0.0877**		**418.0118**	**418.0118**	**0.0164**		**418.4223**

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					0.1526	0.0000	0.1526	0.0231	0.0000	0.0231			0.0000			0.0000
Off-Road	0.7798	3.3792	38.0516	0.0670		0.1040	0.1040		0.1040	0.1040	0.0000	6,449.7544	6,449.7544	1.6142		6,490.1091
Total	**0.7798**	**3.3792**	**38.0516**	**0.0670**	**0.1526**	**0.1040**	**0.2565**	**0.0231**	**0.1040**	**0.1271**	**0.0000**	**6,449.7544**	**6,449.7544**	**1.6142**		**6,490.1091**

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	0.0114	0.3967	0.0840	1.2000e-003	0.0274	1.2300e-003	0.0286	7.5100e-003	1.1800e-003	8.6900e-003		130.0869	130.0869	8.6800e-003		130.3039
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
Worker	0.1098	0.0712	0.9795	2.8900e-003	0.2906	2.1400e-003	0.2928	0.0771	1.9700e-003	0.0790		287.9249	287.9249	7.7400e-003		288.1184
Total	**0.1211**	**0.4679**	**1.0635**	**4.0900e-003**	**0.3180**	**3.3700e-003**	**0.3214**	**0.0846**	**3.1500e-003**	**0.0877**		**418.0118**	**418.0118**	**0.0164**		**418.4223**

3.3 Site Preparation - 2021

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					12.0442	0.0000	12.0442	6.6205	0.0000	6.6205			0.0000			0.0000
Off-Road	2.4673	25.7342	12.5960	0.0233		1.2885	1.2885		1.1854	1.1854		2,256.5045	2,256.5045	0.7298		2,274.7495
Total	**2.4673**	**25.7342**	**12.5960**	**0.0233**	**12.0442**	**1.2885**	**13.3326**	**6.6205**	**1.1854**	**7.8058**		**2,256.5045**	**2,256.5045**	**0.7298**		**2,274.7495**

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
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
Worker	0.0422	0.0274	0.3767	1.1100e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		110.7403	110.7403	2.9800e-003		110.8148

Total	**0.0422**	**0.0274**	**0.3767**	**1.1100e-003**	**0.1118**	**8.2000e-004**	**0.1126**	**0.0296**	**7.6000e-004**	**0.0304**		**110.7403**	**110.7403**	**2.9800e-003**		**110.8148**

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					5.4199	0.0000	5.4199	2.9792	0.0000	2.9792			0.0000			0.0000
Off-Road	0.2851	1.2353	12.3513	0.0233		0.0380	0.0380		0.0380	0.0380	0.0000	2,256.5045	2,256.5045	0.7298		2,274.7495
Total	**0.2851**	**1.2353**	**12.3513**	**0.0233**	**5.4199**	**0.0380**	**5.4579**	**2.9792**	**0.0380**	**3.0172**	**0.0000**	**2,256.5045**	**2,256.5045**	**0.7298**		**2,274.7495**

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
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
Worker	0.0422	0.0274	0.3767	1.1100e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		110.7403	110.7403	2.9800e-003		110.8148
Total	**0.0422**	**0.0274**	**0.3767**	**1.1100e-003**	**0.1118**	**8.2000e-004**	**0.1126**	**0.0296**	**7.6000e-004**	**0.0304**		**110.7403**	**110.7403**	**2.9800e-003**		**110.8148**

3.4 Grading One - Shoring 1 - 2021

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8255	9.1505	5.9806	0.0118		0.4222	0.4222		0.3884	0.3884		1,147.0473	1,147.0473	0.3710		1,156.3217
Total	**0.8255**	**9.1505**	**5.9806**	**0.0118**	**0.0000**	**0.4222**	**0.4222**	**0.0000**	**0.3884**	**0.3884**		**1,147.0473**	**1,147.0473**	**0.3710**		**1,156.3217**

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
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
Worker	0.0253	0.0164	0.2260	6.7000e-004	0.0671	4.9000e-004	0.0676	0.0178	4.5000e-004	0.0182		66.4442	66.4442	1.7900e-003		66.4889
Total	**0.0253**	**0.0164**	**0.2260**	**6.7000e-004**	**0.0671**	**4.9000e-004**	**0.0676**	**0.0178**	**4.5000e-004**	**0.0182**		**66.4442**	**66.4442**	**1.7900e-003**		**66.4889**

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1460	0.6328	7.2448	0.0118		0.0195	0.0195		0.0195	0.0195	0.0000	1,147.0473	1,147.0473	0.3710		1,156.3217
Total	**0.1460**	**0.6328**	**7.2448**	**0.0118**	**0.0000**	**0.0195**	**0.0195**	**0.0000**	**0.0195**	**0.0195**	**0.0000**	**1,147.0473**	**1,147.0473**	**0.3710**		**1,156.3217**

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
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
Worker	0.0253	0.0164	0.2260	6.7000e-004	0.0671	4.9000e-004	0.0676	0.0178	4.5000e-004	0.0182		66.4442	66.4442	1.7900e-003		66.4889
Total	**0.0253**	**0.0164**	**0.2260**	**6.7000e-004**	**0.0671**	**4.9000e-004**	**0.0676**	**0.0178**	**4.5000e-004**	**0.0182**		**66.4442**	**66.4442**	**1.7900e-003**		**66.4889**

3.5 Trenching - 2021

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	0.6037	5.9450	7.7923	0.0114		0.3280	0.3280		0.3018	0.3018		1,101.9921	1,101.9921	0.3564		1,110.9023
Total	**0.6037**	**5.9450**	**7.7923**	**0.0114**		**0.3280**	**0.3280**		**0.3018**	**0.3018**		**1,101.9921**	**1,101.9921**	**0.3564**		**1,110.9023**

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
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
Worker	0.0338	0.0219	0.3014	8.9000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		88.5923	88.5923	2.3800e-003		88.6518
Total	**0.0338**	**0.0219**	**0.3014**	**8.9000e-004**	**0.0894**	**6.6000e-004**	**0.0901**	**0.0237**	**6.1000e-004**	**0.0243**		**88.5923**	**88.5923**	**2.3800e-003**		**88.6518**

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	0.1395	0.6045	8.6022	0.0114		0.0186	0.0186		0.0186	0.0186	0.0000	1,101.9921	1,101.9921	0.3564		1,110.9023
Total	**0.1395**	**0.6045**	**8.6022**	**0.0114**		**0.0186**	**0.0186**		**0.0186**	**0.0186**	**0.0000**	**1,101.9921**	**1,101.9921**	**0.3564**		**1,110.9023**

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
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
Worker	0.0338	0.0219	0.3014	8.9000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		88.5923	88.5923	2.3800e-003		88.6518
Total	**0.0338**	**0.0219**	**0.3014**	**8.9000e-004**	**0.0894**	**6.6000e-004**	**0.0901**	**0.0237**	**6.1000e-004**	**0.0243**		**88.5923**	**88.5923**	**2.3800e-003**		**88.6518**

3.6 Grading Two - Excavation - 2021

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					15.3557	0.0000	15.3557	6.9837	0.0000	6.9837			0.0000			0.0000
Off-Road	5.8871	65.2985	39.0137	0.0804		2.8214	2.8214		2.5957	2.5957		7,791.6589	7,791.6589	2.5200		7,854.6584
Total	**5.8871**	**65.2985**	**39.0137**	**0.0804**	**15.3557**	**2.8214**	**18.1771**	**6.9837**	**2.5957**	**9.5794**		**7,791.6589**	**7,791.6589**	**2.5200**		**7,854.6584**

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	0.8340	29.0792	6.1555	0.0881	2.0085	0.0901	2.0986	0.5504	0.0862	0.6367		9,534.9375	9,534.9375	0.6361		9,550.8405
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
Worker	0.1182	0.0767	1.0548	3.1100e-003	0.3130	2.3000e-003	0.3153	0.0830	2.1200e-003	0.0851		310.0729	310.0729	8.3400e-003		310.2814

Total	**0.9522**	**29.1558**	**7.2103**	**0.0912**	**2.3215**	**0.0924**	**2.4139**	**0.6334**	**0.0884**	**0.7218**		**9,845.0105**	**9,845.0105**	**0.6445**		**9,861.1219**

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					6.9101	0.0000	6.9101	3.1427	0.0000	3.1427			0.0000			0.0000
Off-Road	0.9871	4.2773	42.2180	0.0804		0.1316	0.1316		0.1316	0.1316	0.0000	7,791.6589	7,791.6589	2.5200		7,854.6584
Total	**0.9871**	**4.2773**	**42.2180**	**0.0804**	**6.9101**	**0.1316**	**7.0417**	**3.1427**	**0.1316**	**3.2743**	**0.0000**	**7,791.6589**	**7,791.6589**	**2.5200**		**7,854.6584**

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	0.8340	29.0792	6.1555	0.0881	2.0085	0.0901	2.0986	0.5504	0.0862	0.6367		9,534.9375	9,534.9375	0.6361		9,550.8405
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
Worker	0.1182	0.0767	1.0548	3.1100e-003	0.3130	2.3000e-003	0.3153	0.0830	2.1200e-003	0.0851		310.0729	310.0729	8.3400e-003		310.2814
Total	**0.9522**	**29.1558**	**7.2103**	**0.0912**	**2.3215**	**0.0924**	**2.4139**	**0.6334**	**0.0884**	**0.7218**		**9,845.0105**	**9,845.0105**	**0.6445**		**9,861.1219**

3.7 Grading Three - Shoring 2 - 2021

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2595	3.0379	2.0843	9.4700e-003		0.0921	0.0921		0.0847	0.0847		916.6227	916.6227	0.2965		924.0341
Total	**0.2595**	**3.0379**	**2.0843**	**9.4700e-003**	**0.0000**	**0.0921**	**0.0921**	**0.0000**	**0.0847**	**0.0847**		**916.6227**	**916.6227**	**0.2965**		**924.0341**

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
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
Worker	0.0169	0.0110	0.1507	4.4000e-004	0.0447	3.3000e-004	0.0450	0.0119	3.0000e-004	0.0122		44.2961	44.2961	1.1900e-003		44.3259
Total	**0.0169**	**0.0110**	**0.1507**	**4.4000e-004**	**0.0447**	**3.3000e-004**	**0.0450**	**0.0119**	**3.0000e-004**	**0.0122**		**44.2961**	**44.2961**	**1.1900e-003**		**44.3259**

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1175	0.5092	4.3090	9.4700e-003		0.0157	0.0157		0.0157	0.0157	0.0000	916.6227	916.6227	0.2965		924.0341
Total	**0.1175**	**0.5092**	**4.3090**	**9.4700e-003**	**0.0000**	**0.0157**	**0.0157**	**0.0000**	**0.0157**	**0.0157**	**0.0000**	**916.6227**	**916.6227**	**0.2965**		**924.0341**

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
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
Worker	0.0169	0.0110	0.1507	4.4000e-004	0.0447	3.3000e-004	0.0450	0.0119	3.0000e-004	0.0122		44.2961	44.2961	1.1900e-003		44.3259
Total	**0.0169**	**0.0110**	**0.1507**	**4.4000e-004**	**0.0447**	**3.3000e-004**	**0.0450**	**0.0119**	**3.0000e-004**	**0.0122**		**44.2961**	**44.2961**	**1.1900e-003**		**44.3259**

3.8 Paving One - Concrete Foundations - 2021

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	2.5741	24.7848	22.7691	0.0402		1.2338	1.2338		1.1545	1.1545		3,842.9567	3,842.9567	1.0331		3,868.7840
Paving	5.1500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.5793**	**24.7848**	**22.7691**	**0.0402**		**1.2338**	**1.2338**		**1.1545**	**1.1545**		**3,842.9567**	**3,842.9567**	**1.0331**		**3,868.7840**

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
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
Worker	0.1098	0.0712	0.9795	2.8900e-003	0.2906	2.1400e-003	0.2928	0.0771	1.9700e-003	0.0790		287.9249	287.9249	7.7400e-003		288.1184
Total	**0.1098**	**0.0712**	**0.9795**	**2.8900e-003**	**0.2906**	**2.1400e-003**	**0.2928**	**0.0771**	**1.9700e-003**	**0.0790**		**287.9249**	**287.9249**	**7.7400e-003**		**288.1184**

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	0.4917	2.9447	25.5929	0.0402		0.0626	0.0626		0.0626	0.0626	0.0000	3,842.9567	3,842.9567	1.0331		3,868.7840
Paving	5.1500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.4968**	**2.9447**	**25.5929**	**0.0402**		**0.0626**	**0.0626**		**0.0626**	**0.0626**	**0.0000**	**3,842.9567**	**3,842.9567**	**1.0331**		**3,868.7840**

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
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
Worker	0.1098	0.0712	0.9795	2.8900e-003	0.2906	2.1400e-003	0.2928	0.0771	1.9700e-003	0.0790		287.9249	287.9249	7.7400e-003		288.1184
Total	**0.1098**	**0.0712**	**0.9795**	**2.8900e-003**	**0.2906**	**2.1400e-003**	**0.2928**	**0.0771**	**1.9700e-003**	**0.0790**		**287.9249**	**287.9249**	**7.7400e-003**		**288.1184**

3.9 Building Construction - 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					
Off-Road	2.1968	20.9810	19.8560	0.0346		1.0592	1.0592		0.9914	0.9914		3,294.2042	3,294.2042	0.8512		3,315.4851
Total	**2.1968**	**20.9810**	**19.8560**	**0.0346**		**1.0592**	**1.0592**		**0.9914**	**0.9914**		**3,294.2042**	**3,294.2042**	**0.8512**		**3,315.4851**

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
Vendor	0.1331	4.6172	1.0909	0.0129	0.3264	8.4900e-003	0.3349	0.0940	8.1200e-003	0.1021		1,377.3015	1,377.3015	0.0809		1,379.3244
Worker	0.4910	0.3067	4.3196	0.0133	1.3860	9.9100e-003	1.3959	0.3676	9.1300e-003	0.3767		1,323.9777	1,323.9777	0.0334		1,324.8120

Total	**0.6241**	**4.9238**	**5.4105**	**0.0262**	**1.7124**	**0.0184**	**1.7308**	**0.4616**	**0.0173**	**0.4788**		**2,701.2792**	**2,701.2792**	**0.1143**		**2,704.1364**

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	0.4216	2.6411	21.6934	0.0346		0.0533	0.0533		0.0533	0.0533	0.0000	3,294.2042	3,294.2042	0.8512		3,315.4851
Total	**0.4216**	**2.6411**	**21.6934**	**0.0346**		**0.0533**	**0.0533**		**0.0533**	**0.0533**	**0.0000**	**3,294.2042**	**3,294.2042**	**0.8512**		**3,315.4851**

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
Vendor	0.1331	4.6172	1.0909	0.0129	0.3264	8.4900e-003	0.3349	0.0940	8.1200e-003	0.1021		1,377.3015	1,377.3015	0.0809		1,379.3244
Worker	0.4910	0.3067	4.3196	0.0133	1.3860	9.9100e-003	1.3959	0.3676	9.1300e-003	0.3767		1,323.9777	1,323.9777	0.0334		1,324.8120
Total	**0.6241**	**4.9238**	**5.4105**	**0.0262**	**1.7124**	**0.0184**	**1.7308**	**0.4616**	**0.0173**	**0.4788**		**2,701.2792**	**2,701.2792**	**0.1143**		**2,704.1364**

3.9 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	2.0320	19.3132	19.6780	0.0346		0.9266	0.9266		0.8672	0.8672		3,295.0747	3,295.0747	0.8471		3,316.2530
Total	**2.0320**	**19.3132**	**19.6780**	**0.0346**		**0.9266**	**0.9266**		**0.8672**	**0.8672**		**3,295.0747**	**3,295.0747**	**0.8471**		**3,316.2530**

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
Vendor	0.0993	3.4906	0.9829	0.0125	0.3264	3.9200e-003	0.3303	0.0940	3.7500e-003	0.0977		1,335.5254	1,335.5254	0.0706		1,337.2892
Worker	0.4616	0.2775	3.9890	0.0128	1.3860	9.6500e-003	1.3957	0.3676	8.8900e-003	0.3765		1,274.6334	1,274.6334	0.0301		1,275.3859
Total	**0.5609**	**3.7681**	**4.9719**	**0.0253**	**1.7124**	**0.0136**	**1.7260**	**0.4616**	**0.0126**	**0.4742**		**2,610.1588**	**2,610.1588**	**0.1007**		**2,612.6751**

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	0.4216	2.6411	21.6934	0.0346		0.0533	0.0533		0.0533	0.0533	0.0000	3,295.0747	3,295.0747	0.8471		3,316.2530
Total	**0.4216**	**2.6411**	**21.6934**	**0.0346**		**0.0533**	**0.0533**		**0.0533**	**0.0533**	**0.0000**	**3,295.0747**	**3,295.0747**	**0.8471**		**3,316.2530**

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
Vendor	0.0993	3.4906	0.9829	0.0125	0.3264	3.9200e-003	0.3303	0.0940	3.7500e-003	0.0977		1,335.5254	1,335.5254	0.0706		1,337.2892
Worker	0.4616	0.2775	3.9890	0.0128	1.3860	9.6500e-003	1.3957	0.3676	8.8900e-003	0.3765		1,274.6334	1,274.6334	0.0301		1,275.3859
Total	**0.5609**	**3.7681**	**4.9719**	**0.0253**	**1.7124**	**0.0136**	**1.7260**	**0.4616**	**0.0126**	**0.4742**		**2,610.1588**	**2,610.1588**	**0.1007**		**2,612.6751**

3.9 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	1.9057	18.0151	19.5464	0.0346		0.8205	0.8205		0.7676	0.7676		3,295.5908	3,295.5908	0.8437		3,316.6819
Total	**1.9057**	**18.0151**	**19.5464**	**0.0346**		**0.8205**	**0.8205**		**0.7676**	**0.7676**		**3,295.5908**	**3,295.5908**	**0.8437**		**3,316.6819**

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
Vendor	0.0972	3.4820	0.9546	0.0124	0.3264	3.8800e-003	0.3303	0.0940	3.7100e-003	0.0977		1,330.6832	1,330.6832	0.0695		1,332.4197
Worker	0.4369	0.2529	3.7263	0.0124	1.3860	9.5200e-003	1.3956	0.3676	8.7700e-003	0.3764		1,232.8191	1,232.8191	0.0276		1,233.5089
Total	**0.5341**	**3.7348**	**4.6808**	**0.0248**	**1.7124**	**0.0134**	**1.7258**	**0.4616**	**0.0125**	**0.4740**		**2,563.5023**	**2,563.5023**	**0.0971**		**2,565.9286**

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	0.4216	2.6411	21.6934	0.0346		0.0533	0.0533		0.0533	0.0533	0.0000	3,295.5908	3,295.5908	0.8437		3,316.6819
Total	**0.4216**	**2.6411**	**21.6934**	**0.0346**		**0.0533**	**0.0533**		**0.0533**	**0.0533**	**0.0000**	**3,295.5908**	**3,295.5908**	**0.8437**		**3,316.6819**

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
Vendor	0.0972	3.4820	0.9546	0.0124	0.3264	3.8800e-003	0.3303	0.0940	3.7100e-003	0.0977		1,330.6832	1,330.6832	0.0695		1,332.4197
Worker	0.4369	0.2529	3.7263	0.0124	1.3860	9.5200e-003	1.3956	0.3676	8.7700e-003	0.3764		1,232.8191	1,232.8191	0.0276		1,233.5089
Total	**0.5341**	**3.7348**	**4.6808**	**0.0248**	**1.7124**	**0.0134**	**1.7258**	**0.4616**	**0.0125**	**0.4740**		**2,563.5023**	**2,563.5023**	**0.0971**		**2,565.9286**

3.10 Architectural Coating - 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					
Archit. Coating	10.3586					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**10.5503**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

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
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
Worker	0.0968	0.0582	0.8364	2.6800e-003	0.2906	2.0200e-003	0.2926	0.0771	1.8600e-003	0.0789		267.2618	267.2618	6.3100e-003		267.4196

Total	**0.0968**	**0.0582**	**0.8364**	**2.6800e-003**	**0.2906**	**2.0200e-003**	**0.2926**	**0.0771**	**1.8600e-003**	**0.0789**		**267.2618**	**267.2618**	**6.3100e-003**		**267.4196**

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	10.3586					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**10.5503**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

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
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
Worker	0.0968	0.0582	0.8364	2.6800e-003	0.2906	2.0200e-003	0.2926	0.0771	1.8600e-003	0.0789		267.2618	267.2618	6.3100e-003		267.4196
Total	**0.0968**	**0.0582**	**0.8364**	**2.6800e-003**	**0.2906**	**2.0200e-003**	**0.2926**	**0.0771**	**1.8600e-003**	**0.0789**		**267.2618**	**267.2618**	**6.3100e-003**		**267.4196**

3.10 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	10.3586					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	**10.5394**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

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
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
Worker	0.0916	0.0530	0.7813	2.5900e-003	0.2906	2.0000e-003	0.2926	0.0771	1.8400e-003	0.0789		258.4943	258.4943	5.7900e-003		258.6390
Total	**0.0916**	**0.0530**	**0.7813**	**2.5900e-003**	**0.2906**	**2.0000e-003**	**0.2926**	**0.0771**	**1.8400e-003**	**0.0789**		**258.4943**	**258.4943**	**5.7900e-003**		**258.6390**

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	10.3586					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	**10.5394**	**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**

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
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
Worker	0.0916	0.0530	0.7813	2.5900e-003	0.2906	2.0000e-003	0.2926	0.0771	1.8400e-003	0.0789		258.4943	258.4943	5.7900e-003		258.6390
Total	**0.0916**	**0.0530**	**0.7813**	**2.5900e-003**	**0.2906**	**2.0000e-003**	**0.2926**	**0.0771**	**1.8400e-003**	**0.0789**		**258.4943**	**258.4943**	**5.7900e-003**		**258.6390**

3.11 Paving Two - Concrete Paving - 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	1.1316	11.5252	9.5439	0.0223		0.4616	0.4616		0.4264	0.4264		2,131.6275	2,131.6275	0.6728		2,148.4468
Paving	4.4300e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1361**	**11.5252**	**9.5439**	**0.0223**		**0.4616**	**0.4616**		**0.4264**	**0.4264**		**2,131.6275**	**2,131.6275**	**0.6728**		**2,148.4468**

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
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
Worker	0.0634	0.0367	0.5409	1.7900e-003	0.2012	1.3800e-003	0.2026	0.0534	1.2700e-003	0.0546		178.9576	178.9576	4.0100e-003		179.0577
Total	**0.0634**	**0.0367**	**0.5409**	**1.7900e-003**	**0.2012**	**1.3800e-003**	**0.2026**	**0.0534**	**1.2700e-003**	**0.0546**		**178.9576**	**178.9576**	**4.0100e-003**		**179.0577**

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	0.2608	1.1300	12.1154	0.0223		0.0348	0.0348		0.0348	0.0348	0.0000	2,131.6275	2,131.6275	0.6728		2,148.4468
Paving	4.4300e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2652**	**1.1300**	**12.1154**	**0.0223**		**0.0348**	**0.0348**		**0.0348**	**0.0348**	**0.0000**	**2,131.6275**	**2,131.6275**	**0.6728**		**2,148.4468**

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
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
Worker	0.0634	0.0367	0.5409	1.7900e-003	0.2012	1.3800e-003	0.2026	0.0534	1.2700e-003	0.0546		178.9576	178.9576	4.0100e-003		179.0577
Total	**0.0634**	**0.0367**	**0.5409**	**1.7900e-003**	**0.2012**	**1.3800e-003**	**0.2026**	**0.0534**	**1.2700e-003**	**0.0546**		**178.9576**	**178.9576**	**4.0100e-003**		**179.0577**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	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	1.6844	7.6568	24.4939	0.1016	8.9416	0.0692	9.0108	2.3922	0.0643	2.4565		10,350.8970	10,350.8970	0.4329		10,361.7202
Unmitigated	1.6844	7.6568	24.4939	0.1016	8.9416	0.0692	9.0108	2.3922	0.0643	2.4565		10,350.8970	10,350.8970	0.4329		10,361.7202

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	195.97	0.00	0.00	450,932	450,932
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	833.96	833.96	833.96	3,574,127	3,574,127

Total	1,029.93	833.96	833.96	4,025,059	4,025,059

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28
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
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Enclosed Parking with Elevator	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
General Office Building	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Government Office Building	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Parking Lot	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Unrefrigerated Warehouse-No Rail	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable 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	0.0266	0.2418	0.2031	1.4500e-003		0.0184	0.0184		0.0184	0.0184		290.1780	290.1780	5.5600e-003	5.3200e-003	291.9024
NaturalGas Unmitigated	0.0266	0.2418	0.2031	1.4500e-003		0.0184	0.0184		0.0184	0.0184		290.1780	290.1780	5.5600e-003	5.3200e-003	291.9024

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					
Automobile Care Center	628.69	6.7800e-003	0.0616	0.0518	3.7000e-004		4.6800e-003	4.6800e-003		4.6800e-003	4.6800e-003		73.9635	73.9635	1.4200e-003	1.3600e-003	74.4030
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	1531.27	0.0165	0.1501	0.1261	9.0000e-004		0.0114	0.0114		0.0114	0.0114		180.1492	180.1492	3.4500e-003	3.3000e-003	181.2197
Government Office Building	268.692	2.9000e-003	0.0263	0.0221	1.6000e-004		2.0000e-003	2.0000e-003		2.0000e-003	2.0000e-003		31.6108	31.6108	6.1000e-004	5.8000e-004	31.7987
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
Unrefrigerated Warehouse-No Rail	37.8629	4.1000e-004	3.7100e-003	3.1200e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		4.4545	4.4545	9.0000e-005	8.0000e-005	4.4809
Total		**0.0266**	**0.2418**	**0.2031**	**1.4500e-003**		**0.0184**	**0.0184**		**0.0184**	**0.0184**		**290.1780**	**290.1780**	**5.5700e-003**	**5.3200e-003**	**291.9024**

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					

Automobile Care Center	0.62869	6.7800e-003	0.0616	0.0518	3.7000e-004		4.6800e-003	4.6800e-003		4.6800e-003	4.6800e-003		73.9635	73.9635	1.4200e-003	1.3600e-003	74.4030
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	1.53127	0.0165	0.1501	0.1261	9.0000e-004		0.0114	0.0114		0.0114	0.0114		180.1492	180.1492	3.4500e-003	3.3000e-003	181.2197
Government Office Building	0.268692	2.9000e-003	0.0263	0.0221	1.6000e-004		2.0000e-003	2.0000e-003		2.0000e-003	2.0000e-003		31.6108	31.6108	6.1000e-004	5.8000e-004	31.7987
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
Unrefrigerated Warehouse-No Rail	0.0378629	4.1000e-004	3.7100e-003	3.1200e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		4.4545	4.4545	9.0000e-005	8.0000e-005	4.4809
Total		**0.0266**	**0.2418**	**0.2031**	**1.4500e-003**		**0.0184**	**0.0184**		**0.0184**	**0.0184**		**290.1780**	**290.1780**	**5.5700e-003**	**5.3200e-003**	**291.9024**

6.0 Area Detail

6.1 Mitigation Measures Area

	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	2.1496	6.0000e-004	0.0659	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1415	0.1415	3.7000e-004		0.1508
Unmitigated	2.1496	6.0000e-004	0.0659	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1415	0.1415	3.7000e-004		0.1508

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	0.2497					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8938					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0900e-003	6.0000e-004	0.0659	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1415	0.1415	3.7000e-004		0.1508
Total	**2.1496**	**6.0000e-004**	**0.0659**	**0.0000**		**2.3000e-004**	**2.3000e-004**		**2.3000e-004**	**2.3000e-004**		**0.1415**	**0.1415**	**3.7000e-004**		**0.1508**

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	0.2497					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8938					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0900e-003	6.0000e-004	0.0659	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1415	0.1415	3.7000e-004		0.1508
Total	**2.1496**	**6.0000e-004**	**0.0659**	**0.0000**		**2.3000e-004**	**2.3000e-004**		**2.3000e-004**	**2.3000e-004**		**0.1415**	**0.1415**	**3.7000e-004**		**0.1508**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Grey 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

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	4	8.00	260	97	0.37	Diesel
Forklifts	3	8.00	260	89	0.20	Diesel

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					
Forklifts	0.2840	2.6638	3.4350	4.6100e-003		0.1538	0.1538		0.1415	0.1415		446.3130	446.3130	0.1444		449.9216
Tractors/Loaders/Backhoes	0.5734	5.7695	8.9062	0.0124		0.2648	0.2648		0.2436	0.2436		1,202.1734	1,202.1734	0.3888		1,211.8936
Total	**0.8574**	**8.4333**	**12.3412**	**0.0170**		**0.4186**	**0.4186**		**0.3851**	**0.3851**		**1,648.4864**	**1,648.4864**	**0.5332**		**1,661.8152**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	4	30	600	1	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

LADWP - West LA District Yard Project

South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	53.69	1000sqft	1.23	53,690.00	0
Unrefrigerated Warehouse-No Rail	15.89	1000sqft	0.36	15,885.00	0
Automobile Care Center	12.68	1000sqft	0.29	12,678.00	0
Enclosed Parking with Elevator	543.00	Space	4.89	217,200.00	0
Parking Lot	12.00	Space	0.11	4,800.00	0
Government Office Building	9.42	1000sqft	0.22	9,421.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operational year 2024.

Land Use - Project specific square footage and acreage provided by LADWP

Construction Phase - Construction phasing provided by LADWP.

Off-road Equipment - Construction equipment information provided by LADWP.

Off-road Equipment - Construction equipment information provided by LADWP.

Off-road Equipment - Construction equipment information provided by LADWP.

Off-road Equipment - Construction equipment information provided by LADWP.

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Off-road Equipment - Construction equipment information provided by LADWP.

Off-road Equipment - Construction equipment information provided by LADWP.

Off-road Equipment - Construction equipment information provided by LADWP.

Off-road Equipment - Construction equipment information provided by LADWP.

Off-road Equipment - Construction equipment information provided by LADWP.

Grading - 100,000 CY of export is anticipated.

Trips and VMT - Trips were rounded up to the highest even value.

Vehicle Trips - Trip generation rates were modified to be consistent with the trip generation assumptions in the TIA for the project.

Operational Off-Road Equipment - Equipment information provided by LADWP.

Stationary Sources - Emergency Generators and Fire Pumps - NA

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403 and Mitigation Measure AQ-1: use of Tier 4 final engines in construction equipment

Energy Mitigation - Onsite Electricity generation from on-site solar is anticipated to meet the project's electricity demand per LADWP.

Water Mitigation - Per LADWP grey water use and water reduction measures were assumed as design features.

Waste Mitigation - Consistent with AB 939 a 50% waste diversion rate was assumed.

Table Name	Column Name	Default Value	New Value
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

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tblConstructionPhase	NumDays	20.00	31.00

tblConstructionPhase	NumDays	20.00	65.00
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tblConstructionPhase	PhaseEndDate	1/29/2020	8/18/2021
tblConstructionPhase	PhaseEndDate	3/11/2020	8/18/2021
tblConstructionPhase	PhaseEndDate	2/24/2021	12/17/2021
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tblConstructionPhase	PhaseStartDate	1/2/2020	4/19/2021
tblConstructionPhase	PhaseStartDate	2/13/2020	4/27/2021
tblConstructionPhase	PhaseStartDate	1/28/2021	10/1/2021
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tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts

tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
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tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
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tblOffRoadEquipment	OffRoadEquipmentType		Graders
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tblOffRoadEquipment	UsageHours	8.00	0.00
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tblStationaryGeneratorsPumpsEF	CO_EF	2.60	0.44
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tblStationaryGeneratorsPumpsUse	Load_Factor	0.73	1.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	12,500.00	10,000.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00

tblTripsAndVMT	WorkerTripNumber	5.00	6.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	3.00	4.00
tblVehicleTrips	ST_TR	23.72	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	1.68	52.50
tblVehicleTrips	SU_TR	11.88	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.68	52.50
tblVehicleTrips	WD_TR	23.72	0.00
tblVehicleTrips	WD_TR	11.03	3.65
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	52.50

2.0 Emissions Summary

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					
2021	10.2138	125.6391	78.2820	0.2250	18.0572	4.4799	22.5370	7.7179	4.1442	11.8621	0.0000	22,737.2887	22,737.2887	4.5897	0.0000	22,852.0306
2022	2.8747	25.9153	24.9521	0.0595	1.7124	1.0779	2.7904	0.4616	1.0089	1.4704	0.0000	5,869.5801	5,869.5801	0.9692	0.0000	5,893.8090
2023	13.3005	24.4517	26.8890	0.0642	2.0031	1.0132	3.0163	0.5386	0.9527	1.4913	0.0000	6,315.7118	6,315.7118	0.9730	0.0000	6,340.0376
2024	14.3358	34.5944	36.4605	0.0876	2.2043	1.3600	3.5643	0.5920	1.2706	1.8626	0.0000	8,563.2645	8,563.2645	1.6410	0.0000	8,604.2882
Maximum	**14.3358**	**125.6391**	**78.2820**	**0.2250**	**18.0572**	**4.4799**	**22.5370**	**7.7179**	**4.1442**	**11.8621**	**0.0000**	**22,737.2887**	**22,737.2887**	**4.5897**	**0.0000**	**22,852.0306**

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					
2021	2.7671	37.4372	85.1200	0.2250	9.6116	0.3095	9.9210	3.8769	0.3051	4.1819	0.0000	22,737.2887	22,737.2887	4.5897	0.0000	22,852.0306
2022	1.0996	7.5755	26.7895	0.0595	1.7124	0.0720	1.7844	0.4616	0.0708	0.5324	0.0000	5,869.5801	5,869.5801	0.9692	0.0000	5,893.8090
2023	11.6901	7.7796	28.9045	0.0642	2.0031	0.1399	2.1430	0.5386	0.1388	0.6774	0.0000	6,315.7118	6,315.7118	0.9730	0.0000	6,340.0376
2024	11.9808	8.8252	41.1790	0.0876	2.2043	0.1659	2.3702	0.5920	0.1647	0.7567	0.0000	8,563.2645	8,563.2645	1.6410	0.0000	8,604.2882
Maximum	**11.9808**	**37.4372**	**85.1200**	**0.2250**	**9.6116**	**0.3095**	**9.9210**	**3.8769**	**0.3051**	**4.1819**	**0.0000**	**22,737.2887**	**22,737.2887**	**4.5897**	**0.0000**	**22,852.0306**

	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	**32.38**	**70.74**	**-9.25**	**0.00**	**35.22**	**91.33**	**49.17**	**41.26**	**90.79**	**63.15**	**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	2.1496	6.0000e-004	0.0659	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1415	0.1415	3.7000e-004		0.1508
Energy	0.0266	0.2418	0.2031	1.4500e-003		0.0184	0.0184		0.0184	0.0184		290.1780	290.1780	5.5600e-003	5.3200e-003	291.9024
Mobile	1.5983	7.8260	22.6432	0.0962	8.9416	0.0694	9.0110	2.3922	0.0646	2.4567		9,814.4915	9,814.4915	0.4305		9,825.2535
Offroad	0.8574	8.4333	12.3412	0.0170		0.4186	0.4186		0.3851	0.3851		1,648.4864	1,648.4864	0.5332		1,661.8152

Total	**4.6319**	**16.5018**	**35.2534**	**0.1147**	**8.9416**	**0.5067**	**9.4483**	**2.3922**	**0.4683**	**2.8605**		**11,753.2974**	**11,753.2974**	**0.9696**	**5.3200e-003**	**11,779.1218**

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	2.1496	6.0000e-004	0.0659	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1415	0.1415	3.7000e-004		0.1508
Energy	0.0266	0.2418	0.2031	1.4500e-003		0.0184	0.0184		0.0184	0.0184		290.1780	290.1780	5.5600e-003	5.3200e-003	291.9024
Mobile	1.5983	7.8260	22.6432	0.0962	8.9416	0.0694	9.0110	2.3922	0.0646	2.4567		9,814.4915	9,814.4915	0.4305		9,825.2535
Offroad	0.8574	8.4333	12.3412	0.0170		0.4186	0.4186		0.3851	0.3851		1,648.4864	1,648.4864	0.5332		1,661.8152
Total	**4.6319**	**16.5018**	**35.2534**	**0.1147**	**8.9416**	**0.5067**	**9.4483**	**2.3922**	**0.4683**	**2.8605**		**11,753.2974**	**11,753.2974**	**0.9696**	**5.3200e-003**	**11,779.1218**

	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**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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	4/19/2021	8/18/2021	5	88	
2	Site Preparation	Site Preparation	4/19/2021	4/26/2021	5	6	
3	Grading One - Shoring 1	Grading	4/27/2021	8/18/2021	5	82	
4	Trenching	Trenching	8/19/2021	11/18/2021	5	66	
5	Grading Two - Excavation	Grading	8/19/2021	12/17/2021	5	87	
6	Grading Three - Shoring 2	Grading	8/19/2021	9/30/2021	5	31	

7	Paving One - Concrete Foundations	Paving	10/1/2021	12/17/2021	5	56	
8	Building Construction	Building Construction	2/21/2022	4/18/2024	5	564	
9	Architectural Coating	Architectural Coating	12/19/2023	4/18/2024	5	88	
10	Paving Two - Concrete Paving	Paving	1/19/2024	4/18/2024	5	65	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 137,511; Non-Residential Outdoor: 45,837; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Demolition	Concrete/Industrial Saws	3	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Demolition	Excavators	3	8.00	158	0.38
Grading One - Shoring 1	Excavators	0	0.00	0	0.00
Grading One - Shoring 1	Rubber Tired Dozers	0	0.00	0	0.00
Grading One - Shoring 1	Tractors/Loaders/Backhoes	0	0.00	0	0.00
Building Construction	Generator Sets	1	8.00	84	0.74
Paving One - Concrete Foundations	Pavers	0	0.00	0	0.00
Paving One - Concrete Foundations	Rollers	0	0.00	0	0.00
Grading One - Shoring 1	Graders	0	0.00	0	0.00
Paving One - Concrete Foundations	Paving Equipment	0	0.00	0	0.00
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Grading Two - Excavation	Excavators	2	8.00	158	0.38
Grading Three - Shoring 2	Excavators	0	0.00	0	0.00
Grading Two - Excavation	Graders	2	8.00	187	0.41
Grading Three - Shoring 2	Graders	0	0.00	0	0.00
Paving Two - Concrete Paving	Pavers	0	0.00	0	0.00
Paving Two - Concrete Paving	Paving Equipment	0	0.00	0	0.00
Paving Two - Concrete Paving	Rollers	2	8.00	80	0.38
Grading Two - Excavation	Rubber Tired Dozers	2	8.00	247	0.40
Grading Three - Shoring 2	Rubber Tired Dozers	0	0.00	0	0.00
Grading Two - Excavation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading Three - Shoring 2	Tractors/Loaders/Backhoes	0	0.00	0	0.00
Demolition	Crawler Tractors	2	8.00	212	0.43
Grading One - Shoring 1	Cranes	1	8.00	231	0.29
Grading One - Shoring 1	Other Construction Equipment	1	8.00	172	0.42
Building Construction	Rollers	1	8.00	80	0.38
Paving One - Concrete Foundations	Cranes	2	8.00	231	0.29
Paving One - Concrete Foundations	Excavators	2	8.00	158	0.38
Paving One - Concrete Foundations	Forklifts	2	8.00	89	0.20
Paving One - Concrete Foundations	Generator Sets	1	8.00	84	0.74
Paving One - Concrete Foundations	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving One - Concrete Foundations	Welders	1	8.00	46	0.45
Grading Two - Excavation	Scrapers	2	8.00	367	0.48
Grading Three - Shoring 2	Bore/Drill Rigs	1	8.00	221	0.50
Trenching	Excavators	1	8.00	158	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving Two - Concrete Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving Two - Concrete Paving	Graders	1	8.00	187	0.41
Paving Two - Concrete Paving	Rubber Tired Loaders	1	8.00	203	0.36
Paving Two - Concrete Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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
Architectural Coating	1	26.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	11	124.00	51.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	10	26.00	0.00	138.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading One - Shoring 1	2	6.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving One - Concrete Foundations	10	26.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading Two - Excavation	11	28.00	0.00	10,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading Three - Shoring 2	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving Two - Concrete Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2021

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					0.3390	0.0000	0.3390	0.0513	0.0000	0.0513			0.0000			0.0000
Off-Road	5.0335	51.4137	33.7697	0.0670		2.4204	2.4204		2.2684	2.2684		6,449.7544	6,449.7544	1.6142		6,490.1091
Total	**5.0335**	**51.4137**	**33.7697**	**0.0670**	**0.3390**	**2.4204**	**2.7595**	**0.0513**	**2.2684**	**2.3197**		**6,449.7544**	**6,449.7544**	**1.6142**		**6,490.1091**

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	0.0117	0.4015	0.0902	1.1800e-003	0.0274	1.2500e-003	0.0287	7.5100e-003	1.1900e-003	8.7000e-003		127.6806	127.6806	9.0500e-003		127.9068
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
Worker	0.1199	0.0779	0.8802	2.7000e-003	0.2906	2.1400e-003	0.2928	0.0771	1.9700e-003	0.0790		269.2737	269.2737	7.2200e-003		269.4541
Total	**0.1316**	**0.4794**	**0.9704**	**3.8800e-003**	**0.3180**	**3.3900e-003**	**0.3214**	**0.0846**	**3.1600e-003**	**0.0877**		**396.9543**	**396.9543**	**0.0163**		**397.3608**

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					0.1526	0.0000	0.1526	0.0231	0.0000	0.0231			0.0000			0.0000
Off-Road	0.7798	3.3792	38.0516	0.0670		0.1040	0.1040		0.1040	0.1040	0.0000	6,449.7544	6,449.7544	1.6142		6,490.1091
Total	**0.7798**	**3.3792**	**38.0516**	**0.0670**	**0.1526**	**0.1040**	**0.2565**	**0.0231**	**0.1040**	**0.1271**	**0.0000**	**6,449.7544**	**6,449.7544**	**1.6142**		**6,490.1091**

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	0.0117	0.4015	0.0902	1.1800e-003	0.0274	1.2500e-003	0.0287	7.5100e-003	1.1900e-003	8.7000e-003		127.6806	127.6806	9.0500e-003		127.9068
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
Worker	0.1199	0.0779	0.8802	2.7000e-003	0.2906	2.1400e-003	0.2928	0.0771	1.9700e-003	0.0790		269.2737	269.2737	7.2200e-003		269.4541
Total	**0.1316**	**0.4794**	**0.9704**	**3.8800e-003**	**0.3180**	**3.3900e-003**	**0.3214**	**0.0846**	**3.1600e-003**	**0.0877**		**396.9543**	**396.9543**	**0.0163**		**397.3608**

3.3 Site Preparation - 2021

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					12.0442	0.0000	12.0442	6.6205	0.0000	6.6205			0.0000			0.0000
Off-Road	2.4673	25.7342	12.5960	0.0233		1.2885	1.2885		1.1854	1.1854		2,256.5045	2,256.5045	0.7298		2,274.7495
Total	**2.4673**	**25.7342**	**12.5960**	**0.0233**	**12.0442**	**1.2885**	**13.3326**	**6.6205**	**1.1854**	**7.8058**		**2,256.5045**	**2,256.5045**	**0.7298**		**2,274.7495**

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
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
Worker	0.0461	0.0300	0.3385	1.0400e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		103.5668	103.5668	2.7800e-003		103.6362

Total	**0.0461**	**0.0300**	**0.3385**	**1.0400e-003**	**0.1118**	**8.2000e-004**	**0.1126**	**0.0296**	**7.6000e-004**	**0.0304**		**103.5668**	**103.5668**	**2.7800e-003**		**103.6362**

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					5.4199	0.0000	5.4199	2.9792	0.0000	2.9792			0.0000			0.0000
Off-Road	0.2851	1.2353	12.3513	0.0233		0.0380	0.0380		0.0380	0.0380	0.0000	2,256.5045	2,256.5045	0.7298		2,274.7495
Total	**0.2851**	**1.2353**	**12.3513**	**0.0233**	**5.4199**	**0.0380**	**5.4579**	**2.9792**	**0.0380**	**3.0172**	**0.0000**	**2,256.5045**	**2,256.5045**	**0.7298**		**2,274.7495**

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
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
Worker	0.0461	0.0300	0.3385	1.0400e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		103.5668	103.5668	2.7800e-003		103.6362
Total	**0.0461**	**0.0300**	**0.3385**	**1.0400e-003**	**0.1118**	**8.2000e-004**	**0.1126**	**0.0296**	**7.6000e-004**	**0.0304**		**103.5668**	**103.5668**	**2.7800e-003**		**103.6362**

3.4 Grading One - Shoring 1 - 2021

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8255	9.1505	5.9806	0.0118		0.4222	0.4222		0.3884	0.3884		1,147.0473	1,147.0473	0.3710		1,156.3217
Total	**0.8255**	**9.1505**	**5.9806**	**0.0118**	**0.0000**	**0.4222**	**0.4222**	**0.0000**	**0.3884**	**0.3884**		**1,147.0473**	**1,147.0473**	**0.3710**		**1,156.3217**

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
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
Worker	0.0277	0.0180	0.2031	6.2000e-004	0.0671	4.9000e-004	0.0676	0.0178	4.5000e-004	0.0182		62.1401	62.1401	1.6700e-003		62.1817
Total	**0.0277**	**0.0180**	**0.2031**	**6.2000e-004**	**0.0671**	**4.9000e-004**	**0.0676**	**0.0178**	**4.5000e-004**	**0.0182**		**62.1401**	**62.1401**	**1.6700e-003**		**62.1817**

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1460	0.6328	7.2448	0.0118		0.0195	0.0195		0.0195	0.0195	0.0000	1,147.0473	1,147.0473	0.3710		1,156.3217
Total	**0.1460**	**0.6328**	**7.2448**	**0.0118**	**0.0000**	**0.0195**	**0.0195**	**0.0000**	**0.0195**	**0.0195**	**0.0000**	**1,147.0473**	**1,147.0473**	**0.3710**		**1,156.3217**

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
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
Worker	0.0277	0.0180	0.2031	6.2000e-004	0.0671	4.9000e-004	0.0676	0.0178	4.5000e-004	0.0182		62.1401	62.1401	1.6700e-003		62.1817
Total	**0.0277**	**0.0180**	**0.2031**	**6.2000e-004**	**0.0671**	**4.9000e-004**	**0.0676**	**0.0178**	**4.5000e-004**	**0.0182**		**62.1401**	**62.1401**	**1.6700e-003**		**62.1817**

3.5 Trenching - 2021

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	0.6037	5.9450	7.7923	0.0114		0.3280	0.3280		0.3018	0.3018		1,101.9921	1,101.9921	0.3564		1,110.9023
Total	**0.6037**	**5.9450**	**7.7923**	**0.0114**		**0.3280**	**0.3280**		**0.3018**	**0.3018**		**1,101.9921**	**1,101.9921**	**0.3564**		**1,110.9023**

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
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
Worker	0.0369	0.0240	0.2708	8.3000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		82.8534	82.8534	2.2200e-003		82.9089
Total	**0.0369**	**0.0240**	**0.2708**	**8.3000e-004**	**0.0894**	**6.6000e-004**	**0.0901**	**0.0237**	**6.1000e-004**	**0.0243**		**82.8534**	**82.8534**	**2.2200e-003**		**82.9089**

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	0.1395	0.6045	8.6022	0.0114		0.0186	0.0186		0.0186	0.0186	0.0000	1,101.9921	1,101.9921	0.3564		1,110.9023
Total	**0.1395**	**0.6045**	**8.6022**	**0.0114**		**0.0186**	**0.0186**		**0.0186**	**0.0186**	**0.0000**	**1,101.9921**	**1,101.9921**	**0.3564**		**1,110.9023**

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
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
Worker	0.0369	0.0240	0.2708	8.3000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		82.8534	82.8534	2.2200e-003		82.9089
Total	**0.0369**	**0.0240**	**0.2708**	**8.3000e-004**	**0.0894**	**6.6000e-004**	**0.0901**	**0.0237**	**6.1000e-004**	**0.0243**		**82.8534**	**82.8534**	**2.2200e-003**		**82.9089**

3.6 Grading Two - Excavation - 2021

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					15.3557	0.0000	15.3557	6.9837	0.0000	6.9837			0.0000			0.0000
Off-Road	5.8871	65.2985	39.0137	0.0804		2.8214	2.8214		2.5957	2.5957		7,791.6589	7,791.6589	2.5200		7,854.6584
Total	**5.8871**	**65.2985**	**39.0137**	**0.0804**	**15.3557**	**2.8214**	**18.1771**	**6.9837**	**2.5957**	**9.5794**		**7,791.6589**	**7,791.6589**	**2.5200**		**7,854.6584**

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	0.8578	29.4249	6.6080	0.0865	2.0085	0.0915	2.1000	0.5504	0.0876	0.6380		9,358.5669	9,358.5669	0.6630		9,375.1415
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
Worker	0.1291	0.0839	0.9479	2.9100e-003	0.3130	2.3000e-003	0.3153	0.0830	2.1200e-003	0.0851		289.9870	289.9870	7.7700e-003		290.1813

Total	**0.9869**	**29.5089**	**7.5559**	**0.0894**	**2.3215**	**0.0938**	**2.4153**	**0.6334**	**0.0897**	**0.7231**		**9,648.5539**	**9,648.5539**	**0.6708**		**9,665.3228**

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					6.9101	0.0000	6.9101	3.1427	0.0000	3.1427			0.0000			0.0000
Off-Road	0.9871	4.2773	42.2180	0.0804		0.1316	0.1316		0.1316	0.1316	0.0000	7,791.6589	7,791.6589	2.5200		7,854.6584
Total	**0.9871**	**4.2773**	**42.2180**	**0.0804**	**6.9101**	**0.1316**	**7.0417**	**3.1427**	**0.1316**	**3.2743**	**0.0000**	**7,791.6589**	**7,791.6589**	**2.5200**		**7,854.6584**

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	0.8578	29.4249	6.6080	0.0865	2.0085	0.0915	2.1000	0.5504	0.0876	0.6380		9,358.5669	9,358.5669	0.6630		9,375.1415
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
Worker	0.1291	0.0839	0.9479	2.9100e-003	0.3130	2.3000e-003	0.3153	0.0830	2.1200e-003	0.0851		289.9870	289.9870	7.7700e-003		290.1813
Total	**0.9869**	**29.5089**	**7.5559**	**0.0894**	**2.3215**	**0.0938**	**2.4153**	**0.6334**	**0.0897**	**0.7231**		**9,648.5539**	**9,648.5539**	**0.6708**		**9,665.3228**

3.7 Grading Three - Shoring 2 - 2021

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2595	3.0379	2.0843	9.4700e-003		0.0921	0.0921		0.0847	0.0847		916.6227	916.6227	0.2965		924.0341
Total	**0.2595**	**3.0379**	**2.0843**	**9.4700e-003**	**0.0000**	**0.0921**	**0.0921**	**0.0000**	**0.0847**	**0.0847**		**916.6227**	**916.6227**	**0.2965**		**924.0341**

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
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
Worker	0.0185	0.0120	0.1354	4.2000e-004	0.0447	3.3000e-004	0.0450	0.0119	3.0000e-004	0.0122		41.4267	41.4267	1.1100e-003		41.4545
Total	**0.0185**	**0.0120**	**0.1354**	**4.2000e-004**	**0.0447**	**3.3000e-004**	**0.0450**	**0.0119**	**3.0000e-004**	**0.0122**		**41.4267**	**41.4267**	**1.1100e-003**		**41.4545**

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1175	0.5092	4.3090	9.4700e-003		0.0157	0.0157		0.0157	0.0157	0.0000	916.6227	916.6227	0.2965		924.0341
Total	**0.1175**	**0.5092**	**4.3090**	**9.4700e-003**	**0.0000**	**0.0157**	**0.0157**	**0.0000**	**0.0157**	**0.0157**	**0.0000**	**916.6227**	**916.6227**	**0.2965**		**924.0341**

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
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
Worker	0.0185	0.0120	0.1354	4.2000e-004	0.0447	3.3000e-004	0.0450	0.0119	3.0000e-004	0.0122		41.4267	41.4267	1.1100e-003		41.4545
Total	**0.0185**	**0.0120**	**0.1354**	**4.2000e-004**	**0.0447**	**3.3000e-004**	**0.0450**	**0.0119**	**3.0000e-004**	**0.0122**		**41.4267**	**41.4267**	**1.1100e-003**		**41.4545**

3.8 Paving One - Concrete Foundations - 2021

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	2.5741	24.7848	22.7691	0.0402		1.2338	1.2338		1.1545	1.1545		3,842.9567	3,842.9567	1.0331		3,868.7840
Paving	5.1500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.5793**	**24.7848**	**22.7691**	**0.0402**		**1.2338**	**1.2338**		**1.1545**	**1.1545**		**3,842.9567**	**3,842.9567**	**1.0331**		**3,868.7840**

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
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
Worker	0.1199	0.0779	0.8802	2.7000e-003	0.2906	2.1400e-003	0.2928	0.0771	1.9700e-003	0.0790		269.2737	269.2737	7.2200e-003		269.4541
Total	**0.1199**	**0.0779**	**0.8802**	**2.7000e-003**	**0.2906**	**2.1400e-003**	**0.2928**	**0.0771**	**1.9700e-003**	**0.0790**		**269.2737**	**269.2737**	**7.2200e-003**		**269.4541**

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	0.4917	2.9447	25.5929	0.0402		0.0626	0.0626		0.0626	0.0626	0.0000	3,842.9567	3,842.9567	1.0331		3,868.7840
Paving	5.1500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.4968**	**2.9447**	**25.5929**	**0.0402**		**0.0626**	**0.0626**		**0.0626**	**0.0626**	**0.0000**	**3,842.9567**	**3,842.9567**	**1.0331**		**3,868.7840**

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
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
Worker	0.1199	0.0779	0.8802	2.7000e-003	0.2906	2.1400e-003	0.2928	0.0771	1.9700e-003	0.0790		269.2737	269.2737	7.2200e-003		269.4541
Total	**0.1199**	**0.0779**	**0.8802**	**2.7000e-003**	**0.2906**	**2.1400e-003**	**0.2928**	**0.0771**	**1.9700e-003**	**0.0790**		**269.2737**	**269.2737**	**7.2200e-003**		**269.4541**

3.9 Building Construction - 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					
Off-Road	2.1968	20.9810	19.8560	0.0346		1.0592	1.0592		0.9914	0.9914		3,294.2042	3,294.2042	0.8512		3,315.4851
Total	**2.1968**	**20.9810**	**19.8560**	**0.0346**		**1.0592**	**1.0592**		**0.9914**	**0.9914**		**3,294.2042**	**3,294.2042**	**0.8512**		**3,315.4851**

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
Vendor	0.1401	4.5988	1.2214	0.0125	0.3264	8.7700e-003	0.3352	0.0940	8.3800e-003	0.1024		1,337.1905	1,337.1905	0.0868		1,339.3616
Worker	0.5378	0.3356	3.8747	0.0124	1.3860	9.9100e-003	1.3959	0.3676	9.1300e-003	0.3767		1,238.1853	1,238.1853	0.0311		1,238.9623

Total	**0.6780**	**4.9343**	**5.0961**	**0.0249**	**1.7124**	**0.0187**	**1.7311**	**0.4616**	**0.0175**	**0.4791**		**2,575.3758**	**2,575.3758**	**0.1179**		**2,578.3239**

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	0.4216	2.6411	21.6934	0.0346		0.0533	0.0533		0.0533	0.0533	0.0000	3,294.2042	3,294.2042	0.8512		3,315.4851
Total	**0.4216**	**2.6411**	**21.6934**	**0.0346**		**0.0533**	**0.0533**		**0.0533**	**0.0533**	**0.0000**	**3,294.2042**	**3,294.2042**	**0.8512**		**3,315.4851**

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
Vendor	0.1401	4.5988	1.2214	0.0125	0.3264	8.7700e-003	0.3352	0.0940	8.3800e-003	0.1024		1,337.1905	1,337.1905	0.0868		1,339.3616
Worker	0.5378	0.3356	3.8747	0.0124	1.3860	9.9100e-003	1.3959	0.3676	9.1300e-003	0.3767		1,238.1853	1,238.1853	0.0311		1,238.9623
Total	**0.6780**	**4.9343**	**5.0961**	**0.0249**	**1.7124**	**0.0187**	**1.7311**	**0.4616**	**0.0175**	**0.4791**		**2,575.3758**	**2,575.3758**	**0.1179**		**2,578.3239**

3.9 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	2.0320	19.3132	19.6780	0.0346		0.9266	0.9266		0.8672	0.8672		3,295.0747	3,295.0747	0.8471		3,316.2530
Total	**2.0320**	**19.3132**	**19.6780**	**0.0346**		**0.9266**	**0.9266**		**0.8672**	**0.8672**		**3,295.0747**	**3,295.0747**	**0.8471**		**3,316.2530**

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
Vendor	0.1046	3.4682	1.0800	0.0121	0.3264	4.1200e-003	0.3305	0.0940	3.9300e-003	0.0979		1,297.2445	1,297.2445	0.0752		1,299.1241
Worker	0.5072	0.3035	3.5711	0.0120	1.3860	9.6500e-003	1.3957	0.3676	8.8900e-003	0.3765		1,192.0076	1,192.0076	0.0280		1,192.7076
Total	**0.6118**	**3.7718**	**4.6512**	**0.0241**	**1.7124**	**0.0138**	**1.7262**	**0.4616**	**0.0128**	**0.4744**		**2,489.2520**	**2,489.2520**	**0.1032**		**2,491.8318**

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	0.4216	2.6411	21.6934	0.0346		0.0533	0.0533		0.0533	0.0533	0.0000	3,295.0747	3,295.0747	0.8471		3,316.2530
Total	**0.4216**	**2.6411**	**21.6934**	**0.0346**		**0.0533**	**0.0533**		**0.0533**	**0.0533**	**0.0000**	**3,295.0747**	**3,295.0747**	**0.8471**		**3,316.2530**

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
Vendor	0.1046	3.4682	1.0800	0.0121	0.3264	4.1200e-003	0.3305	0.0940	3.9300e-003	0.0979		1,297.2445	1,297.2445	0.0752		1,299.1241
Worker	0.5072	0.3035	3.5711	0.0120	1.3860	9.6500e-003	1.3957	0.3676	8.8900e-003	0.3765		1,192.0076	1,192.0076	0.0280		1,192.7076
Total	**0.6118**	**3.7718**	**4.6512**	**0.0241**	**1.7124**	**0.0138**	**1.7262**	**0.4616**	**0.0128**	**0.4744**		**2,489.2520**	**2,489.2520**	**0.1032**		**2,491.8318**

3.9 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	1.9057	18.0151	19.5464	0.0346		0.8205	0.8205		0.7676	0.7676		3,295.5908	3,295.5908	0.8437		3,316.6819
Total	**1.9057**	**18.0151**	**19.5464**	**0.0346**		**0.8205**	**0.8205**		**0.7676**	**0.7676**		**3,295.5908**	**3,295.5908**	**0.8437**		**3,316.6819**

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
Vendor	0.1023	3.4607	1.0491	0.0121	0.3264	4.0600e-003	0.3305	0.0940	3.8800e-003	0.0978		1,292.8323	1,292.8323	0.0740		1,294.6810
Worker	0.4815	0.2765	3.3295	0.0116	1.3860	9.5200e-003	1.3956	0.3676	8.7700e-003	0.3764		1,152.7319	1,152.7319	0.0256		1,153.3729
Total	**0.5838**	**3.7372**	**4.3786**	**0.0236**	**1.7124**	**0.0136**	**1.7260**	**0.4616**	**0.0127**	**0.4742**		**2,445.5643**	**2,445.5643**	**0.0996**		**2,448.0539**

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	0.4216	2.6411	21.6934	0.0346		0.0533	0.0533		0.0533	0.0533	0.0000	3,295.5908	3,295.5908	0.8437		3,316.6819
Total	**0.4216**	**2.6411**	**21.6934**	**0.0346**		**0.0533**	**0.0533**		**0.0533**	**0.0533**	**0.0000**	**3,295.5908**	**3,295.5908**	**0.8437**		**3,316.6819**

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
Vendor	0.1023	3.4607	1.0491	0.0121	0.3264	4.0600e-003	0.3305	0.0940	3.8800e-003	0.0978		1,292.8323	1,292.8323	0.0740		1,294.6810
Worker	0.4815	0.2765	3.3295	0.0116	1.3860	9.5200e-003	1.3956	0.3676	8.7700e-003	0.3764		1,152.7319	1,152.7319	0.0256		1,153.3729
Total	**0.5838**	**3.7372**	**4.3786**	**0.0236**	**1.7124**	**0.0136**	**1.7260**	**0.4616**	**0.0127**	**0.4742**		**2,445.5643**	**2,445.5643**	**0.0996**		**2,448.0539**

3.10 Architectural Coating - 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					
Archit. Coating	10.3586					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**10.5503**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

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
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
Worker	0.1064	0.0636	0.7488	2.5100e-003	0.2906	2.0200e-003	0.2926	0.0771	1.8600e-003	0.0789		249.9371	249.9371	5.8700e-003		250.0839

Total	**0.1064**	**0.0636**	**0.7488**	**2.5100e-003**	**0.2906**	**2.0200e-003**	**0.2926**	**0.0771**	**1.8600e-003**	**0.0789**		**249.9371**	**249.9371**	**5.8700e-003**		**250.0839**

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	10.3586					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**10.5503**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

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
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
Worker	0.1064	0.0636	0.7488	2.5100e-003	0.2906	2.0200e-003	0.2926	0.0771	1.8600e-003	0.0789		249.9371	249.9371	5.8700e-003		250.0839
Total	**0.1064**	**0.0636**	**0.7488**	**2.5100e-003**	**0.2906**	**2.0200e-003**	**0.2926**	**0.0771**	**1.8600e-003**	**0.0789**		**249.9371**	**249.9371**	**5.8700e-003**		**250.0839**

3.10 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	10.3586					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	**10.5394**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

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
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
Worker	0.1010	0.0580	0.6981	2.4200e-003	0.2906	2.0000e-003	0.2926	0.0771	1.8400e-003	0.0789		241.7019	241.7019	5.3800e-003		241.8363
Total	**0.1010**	**0.0580**	**0.6981**	**2.4200e-003**	**0.2906**	**2.0000e-003**	**0.2926**	**0.0771**	**1.8400e-003**	**0.0789**		**241.7019**	**241.7019**	**5.3800e-003**		**241.8363**

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	10.3586					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	**10.5394**	**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**

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
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
Worker	0.1010	0.0580	0.6981	2.4200e-003	0.2906	2.0000e-003	0.2926	0.0771	1.8400e-003	0.0789		241.7019	241.7019	5.3800e-003		241.8363
Total	**0.1010**	**0.0580**	**0.6981**	**2.4200e-003**	**0.2906**	**2.0000e-003**	**0.2926**	**0.0771**	**1.8400e-003**	**0.0789**		**241.7019**	**241.7019**	**5.3800e-003**		**241.8363**

3.11 Paving Two - Concrete Paving - 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	1.1316	11.5252	9.5439	0.0223		0.4616	0.4616		0.4264	0.4264		2,131.6275	2,131.6275	0.6728		2,148.4468
Paving	4.4300e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1361**	**11.5252**	**9.5439**	**0.0223**		**0.4616**	**0.4616**		**0.4264**	**0.4264**		**2,131.6275**	**2,131.6275**	**0.6728**		**2,148.4468**

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
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
Worker	0.0699	0.0401	0.4833	1.6800e-003	0.2012	1.3800e-003	0.2026	0.0534	1.2700e-003	0.0546		167.3321	167.3321	3.7200e-003		167.4251
Total	**0.0699**	**0.0401**	**0.4833**	**1.6800e-003**	**0.2012**	**1.3800e-003**	**0.2026**	**0.0534**	**1.2700e-003**	**0.0546**		**167.3321**	**167.3321**	**3.7200e-003**		**167.4251**

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	0.2608	1.1300	12.1154	0.0223		0.0348	0.0348		0.0348	0.0348	0.0000	2,131.6275	2,131.6275	0.6728		2,148.4468
Paving	4.4300e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2652**	**1.1300**	**12.1154**	**0.0223**		**0.0348**	**0.0348**		**0.0348**	**0.0348**	**0.0000**	**2,131.6275**	**2,131.6275**	**0.6728**		**2,148.4468**

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
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
Worker	0.0699	0.0401	0.4833	1.6800e-003	0.2012	1.3800e-003	0.2026	0.0534	1.2700e-003	0.0546		167.3321	167.3321	3.7200e-003		167.4251
Total	**0.0699**	**0.0401**	**0.4833**	**1.6800e-003**	**0.2012**	**1.3800e-003**	**0.2026**	**0.0534**	**1.2700e-003**	**0.0546**		**167.3321**	**167.3321**	**3.7200e-003**		**167.4251**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	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	1.5983	7.8260	22.6432	0.0962	8.9416	0.0694	9.0110	2.3922	0.0646	2.4567		9,814.4915	9,814.4915	0.4305		9,825.2535
Unmitigated	1.5983	7.8260	22.6432	0.0962	8.9416	0.0694	9.0110	2.3922	0.0646	2.4567		9,814.4915	9,814.4915	0.4305		9,825.2535

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	195.97	0.00	0.00	450,932	450,932
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	833.96	833.96	833.96	3,574,127	3,574,127

Total	1,029.93	833.96	833.96	4,025,059	4,025,059

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28
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
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Enclosed Parking with Elevator	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
General Office Building	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Government Office Building	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Parking Lot	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Unrefrigerated Warehouse-No Rail	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable 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	0.0266	0.2418	0.2031	1.4500e-003		0.0184	0.0184		0.0184	0.0184		290.1780	290.1780	5.5600e-003	5.3200e-003	291.9024
NaturalGas Unmitigated	0.0266	0.2418	0.2031	1.4500e-003		0.0184	0.0184		0.0184	0.0184		290.1780	290.1780	5.5600e-003	5.3200e-003	291.9024

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					
Automobile Care Center	628.69	6.7800e-003	0.0616	0.0518	3.7000e-004		4.6800e-003	4.6800e-003		4.6800e-003	4.6800e-003		73.9635	73.9635	1.4200e-003	1.3600e-003	74.4030
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	1531.27	0.0165	0.1501	0.1261	9.0000e-004		0.0114	0.0114		0.0114	0.0114		180.1492	180.1492	3.4500e-003	3.3000e-003	181.2197
Government Office Building	268.692	2.9000e-003	0.0263	0.0221	1.6000e-004		2.0000e-003	2.0000e-003		2.0000e-003	2.0000e-003		31.6108	31.6108	6.1000e-004	5.8000e-004	31.7987
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
Unrefrigerated Warehouse-No Rail	37.8629	4.1000e-004	3.7100e-003	3.1200e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		4.4545	4.4545	9.0000e-005	8.0000e-005	4.4809
Total		**0.0266**	**0.2418**	**0.2031**	**1.4500e-003**		**0.0184**	**0.0184**		**0.0184**	**0.0184**		**290.1780**	**290.1780**	**5.5700e-003**	**5.3200e-003**	**291.9024**

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					

Automobile Care Center	0.62869	6.7800e-003	0.0616	0.0518	3.7000e-004		4.6800e-003	4.6800e-003		4.6800e-003	4.6800e-003		73.9635	73.9635	1.4200e-003	1.3600e-003	74.4030
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	1.53127	0.0165	0.1501	0.1261	9.0000e-004		0.0114	0.0114		0.0114	0.0114		180.1492	180.1492	3.4500e-003	3.3000e-003	181.2197
Government Office Building	0.268692	2.9000e-003	0.0263	0.0221	1.6000e-004		2.0000e-003	2.0000e-003		2.0000e-003	2.0000e-003		31.6108	31.6108	6.1000e-004	5.8000e-004	31.7987
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
Unrefrigerated Warehouse-No Rail	0.0378629	4.1000e-004	3.7100e-003	3.1200e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		4.4545	4.4545	9.0000e-005	8.0000e-005	4.4809
Total		**0.0266**	**0.2418**	**0.2031**	**1.4500e-003**		**0.0184**	**0.0184**		**0.0184**	**0.0184**		**290.1780**	**290.1780**	**5.5700e-003**	**5.3200e-003**	**291.9024**

6.0 Area Detail

6.1 Mitigation Measures Area

	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	2.1496	6.0000e-004	0.0659	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1415	0.1415	3.7000e-004		0.1508
Unmitigated	2.1496	6.0000e-004	0.0659	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1415	0.1415	3.7000e-004		0.1508

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	0.2497					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8938					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0900e-003	6.0000e-004	0.0659	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1415	0.1415	3.7000e-004		0.1508
Total	**2.1496**	**6.0000e-004**	**0.0659**	**0.0000**		**2.3000e-004**	**2.3000e-004**		**2.3000e-004**	**2.3000e-004**		**0.1415**	**0.1415**	**3.7000e-004**		**0.1508**

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	0.2497					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8938					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0900e-003	6.0000e-004	0.0659	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1415	0.1415	3.7000e-004		0.1508
Total	**2.1496**	**6.0000e-004**	**0.0659**	**0.0000**		**2.3000e-004**	**2.3000e-004**		**2.3000e-004**	**2.3000e-004**		**0.1415**	**0.1415**	**3.7000e-004**		**0.1508**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Grey 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

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	4	8.00	260	97	0.37	Diesel
Forklifts	3	8.00	260	89	0.20	Diesel

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					
Forklifts	0.2840	2.6638	3.4350	4.6100e-003		0.1538	0.1538		0.1415	0.1415		446.3130	446.3130	0.1444		449.9216
Tractors/Loaders/Backhoes	0.5734	5.7695	8.9062	0.0124		0.2648	0.2648		0.2436	0.2436		1,202.1734	1,202.1734	0.3888		1,211.8936
Total	**0.8574**	**8.4333**	**12.3412**	**0.0170**		**0.4186**	**0.4186**		**0.3851**	**0.3851**		**1,648.4864**	**1,648.4864**	**0.5332**		**1,661.8152**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	4	30	600	1	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing Site CalEEMod Emissions Calculations

LADWP - West LA District Yard Project Existing Setting

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	9.61	1000sqft	0.22	9,610.00	0
Unrefrigerated Warehouse-No Rail	14.56	1000sqft	0.33	14,560.00	0
Automobile Care Center	6.16	1000sqft	0.14	6,161.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2020
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operational year 2020.

Land Use - Land Use Statistics provided by LADWP.

Construction Phase - No construction.

Trips and VMT - No construction.

Demolition - No construction.

Grading - No construction.

Vehicle Trips - No construction.

Construction Off-road Equipment Mitigation - No construction.

Operational Off-Road Equipment - Equipment information provided by LADWP.

Fleet Mix - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	2.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	1.00	0.00
tblGrading	AcresOfGrading	0.00	0.50
tblLandUse	LandUseSquareFeet	6,160.00	6,161.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	6.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	6.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	3.00
tblTripsAndVMT	HaulingTripNumber	0.00	40.00
tblTripsAndVMT	HaulingTripNumber	0.00	40.00
tblVehicleTrips	ST_TR	23.72	0.00
tblVehicleTrips	ST_TR	1.68	17.31
tblVehicleTrips	SU_TR	11.88	0.00
tblVehicleTrips	SU_TR	1.68	17.31
tblVehicleTrips	WD_TR	23.72	0.00
tblVehicleTrips	WD_TR	11.03	26.25
tblVehicleTrips	WD_TR	1.68	17.36

2.0 Emissions Summary

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					
2020	0.0000	0.0000	0.0000	0.0000	1.4100e-003	0.0000	1.4100e-003	3.5000e-004	0.0000	3.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.4100e-003**	**0.0000**	**1.4100e-003**	**3.5000e-004**	**0.0000**	**3.5000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
2020	0.0000	0.0000	0.0000	0.0000	1.4100e-003	0.0000	1.4100e-003	3.5000e-004	0.0000	3.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.4100e-003**	**0.0000**	**1.4100e-003**	**3.5000e-004**	**0.0000**	**3.5000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	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**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**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)**

		Highest	

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	0.1237	0.0000	3.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004
Energy	1.2100e-003	0.0110	9.2300e-003	7.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004	0.0000	151.2085	151.2085	3.5200e-003	9.0000e-004	151.5646
Mobile	0.1589	0.9142	2.2751	7.9600e-003	0.6377	8.0900e-003	0.6458	0.1709	7.5900e-003	0.1785	0.0000	734.1216	734.1216	0.0369	0.0000	735.0442
Offroad	0.0894	0.8688	0.8970	1.2100e-003		0.0578	0.0578		0.0532	0.0532	0.0000	105.9962	105.9962	0.0343	0.0000	106.8532
Waste						0.0000	0.0000		0.0000	0.0000	9.3701	0.0000	9.3701	0.5538	0.0000	23.2139
Water						0.0000	0.0000		0.0000	0.0000	1.7939	49.6837	51.4776	0.1854	4.5900e-003	57.4821
Total	**0.3732**	**1.7940**	**3.1817**	**9.2400e-003**	**0.6377**	**0.0667**	**0.7044**	**0.1709**	**0.0616**	**0.2325**	**11.1640**	**1,041.0107**	**1,052.1747**	**0.8139**	**5.4900e-003**	**1,074.1589**

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	0.1237	0.0000	3.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004
Energy	1.2100e-003	0.0110	9.2300e-003	7.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004	0.0000	151.2085	151.2085	3.5200e-003	9.0000e-004	151.5646
Mobile	0.1589	0.9142	2.2751	7.9600e-003	0.6377	8.0900e-003	0.6458	0.1709	7.5900e-003	0.1785	0.0000	734.1216	734.1216	0.0369	0.0000	735.0442

Offroad	0.0894	0.8688	0.8970	1.2100e-003		0.0578	0.0578		0.0532	0.0532	0.0000	105.9962	105.9962	0.0343	0.0000	106.8532
Waste						0.0000	0.0000		0.0000	0.0000	9.3701	0.0000	9.3701	0.5538	0.0000	23.2139
Water						0.0000	0.0000		0.0000	0.0000	1.7939	49.6837	51.4776	0.1854	4.5900e-003	57.4821
Total	**0.3732**	**1.7940**	**3.1817**	**9.2400e-003**	**0.6377**	**0.0667**	**0.7044**	**0.1709**	**0.0616**	**0.2325**	**11.1640**	**1,041.0107**	**1,052.1747**	**0.8139**	**5.4900e-003**	**1,074.1589**

	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**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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	1/2/2020	1/1/2020	5	0	
2	Site Preparation	Site Preparation	1/16/2020	1/15/2020	5	0	
3	Grading	Grading	1/17/2020	1/16/2020	5	0	
4	Building Construction	Building Construction	1/21/2020	1/20/2020	5	0	
5	Paving	Paving	6/9/2020	6/8/2020	5	0	
6	Architectural Coating	Architectural Coating	6/16/2020	6/15/2020	5	0	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 45,497; Non-Residential Outdoor: 15,166; Striped Parking Area: 0

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	Rubber Tired Dozers	1	1.00	247	0.40

Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
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	4	10.00	0.00	138.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	40.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	40.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	11.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

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	0.0000	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
Off-Road	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
Total	**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**

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	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
Total	**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**

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	0.0000	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
Off-Road	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
Total	**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**

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	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
Total	**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**

3.3 Site Preparation - 2020

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	0.0000	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
Off-Road	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

Total	**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**

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	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
Total	**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**

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	0.0000	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
Off-Road	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
Total	**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**

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	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
Total	**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**

3.4 Grading - 2020

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	0.0000	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
Off-Road	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
Total	**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**

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	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
Total	**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**

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	0.0000	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
Off-Road	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
Total	**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**

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	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
Total	**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**

3.5 Building Construction - 2020

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	0.0000	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
Total	**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**

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	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
Total	**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**

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	0.0000	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
Total	**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**

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	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
Total	**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**

3.6 Paving - 2020

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	0.0000	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

Paving	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
Total	**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**

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	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
Total	**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**

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	0.0000	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
Paving	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
Total	**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**

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	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
Total	**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**

3.7 Architectural Coating - 2020

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	0.0000	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
Off-Road	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
Total	**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**

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	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
Total	**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**

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	0.0000	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
Off-Road	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
Total	**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**

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	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
Total	**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**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	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	0.1589	0.9142	2.2751	7.9600e-003	0.6377	8.0900e-003	0.6458	0.1709	7.5900e-003	0.1785	0.0000	734.1216	734.1216	0.0369	0.0000	735.0442
Unmitigated	0.1589	0.9142	2.2751	7.9600e-003	0.6377	8.0900e-003	0.6458	0.1709	7.5900e-003	0.1785	0.0000	734.1216	734.1216	0.0369	0.0000	735.0442

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	0.00	0.00	0.00		
General Office Building	252.26	23.64	10.09	595,990	595,990
Unrefrigerated Warehouse-No Rail	252.76	252.03	252.03	1,082,373	1,082,373
Total	505.02	275.67	262.12	1,678,364	1,678,364

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
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.547828	0.043645	0.199892	0.122290	0.016774	0.005862	0.020637	0.032653	0.002037	0.001944	0.004777	0.000705	0.000956
General Office Building	0.547828	0.043645	0.199892	0.122290	0.016774	0.005862	0.020637	0.032653	0.002037	0.001944	0.004777	0.000705	0.000956
Unrefrigerated Warehouse-No Rail	0.547828	0.043645	0.199892	0.122290	0.016774	0.005862	0.020637	0.032653	0.002037	0.001944	0.004777	0.000705	0.000956

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	139.2432	139.2432	3.2900e-003	6.8000e-004	139.5281
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	139.2432	139.2432	3.2900e-003	6.8000e-004	139.5281
NaturalGas Mitigated	1.2100e-003	0.0110	9.2300e-003	7.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004	0.0000	11.9653	11.9653	2.3000e-004	2.2000e-004	12.0364
NaturalGas Unmitigated	1.2100e-003	0.0110	9.2300e-003	7.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004	0.0000	11.9653	11.9653	2.3000e-004	2.2000e-004	12.0364

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					
Automobile Care Center	111514	6.0000e-004	5.4700e-003	4.5900e-003	3.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	5.9508	5.9508	1.1000e-004	1.1000e-004	5.9862

General Office Building	100040	5.4000e-004	4.9000e-003	4.1200e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	5.3385	5.3385	1.0000e-004	1.0000e-004	5.3702
Unrefrigerated Warehouse-No Rail	12667.2	7.0000e-005	6.2000e-004	5.2000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.6760	0.6760	1.0000e-005	1.0000e-005	0.6800
Total		**1.2100e-003**	**0.0110**	**9.2300e-003**	**6.0000e-005**		**8.4000e-004**	**8.4000e-004**		**8.4000e-004**	**8.4000e-004**	**0.0000**	**11.9653**	**11.9653**	**2.2000e-004**	**2.2000e-004**	**12.0364**

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					
Automobile Care Center	111514	6.0000e-004	5.4700e-003	4.5900e-003	3.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	5.9508	5.9508	1.1000e-004	1.1000e-004	5.9862
General Office Building	100040	5.4000e-004	4.9000e-003	4.1200e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	5.3385	5.3385	1.0000e-004	1.0000e-004	5.3702
Unrefrigerated Warehouse-No Rail	12667.2	7.0000e-005	6.2000e-004	5.2000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.6760	0.6760	1.0000e-005	1.0000e-005	0.6800
Total		**1.2100e-003**	**0.0110**	**9.2300e-003**	**6.0000e-005**		**8.4000e-004**	**8.4000e-004**		**8.4000e-004**	**8.4000e-004**	**0.0000**	**11.9653**	**11.9653**	**2.2000e-004**	**2.2000e-004**	**12.0364**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	68387.1	38.0890	9.0000e-004	1.9000e-004	38.1669
General Office Building	124834	69.5277	1.6400e-003	3.4000e-004	69.6700
Unrefrigerated Warehouse-No Rail	56784	31.6265	7.5000e-004	1.5000e-004	31.6912
Total		**139.2432**	**3.2900e-003**	**6.8000e-004**	**139.5282**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	68387.1	38.0890	9.0000e-004	1.9000e-004	38.1669
General Office Building	124834	69.5277	1.6400e-003	3.4000e-004	69.6700
Unrefrigerated Warehouse-No Rail	56784	31.6265	7.5000e-004	1.5000e-004	31.6912
Total		**139.2432**	**3.2900e-003**	**6.8000e-004**	**139.5282**

6.0 Area Detail

6.1 Mitigation Measures Area

	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	0.1237	0.0000	3.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004
Unmitigated	0.1237	0.0000	3.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004

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	0.0141					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1096					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	3.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004
Total	**0.1237**	**0.0000**	**3.9000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**7.5000e-004**	**7.5000e-004**	**0.0000**	**0.0000**	**8.0000e-004**

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	0.0141					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1096					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	3.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004
Total	**0.1237**	**0.0000**	**3.9000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**7.5000e-004**	**7.5000e-004**	**0.0000**	**0.0000**	**8.0000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	51.4776	0.1854	4.5900e-003	57.4821
Unmitigated	51.4776	0.1854	4.5900e-003	57.4821

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.57954 / 0.355202	6.5847	0.0190	4.8000e-004	7.2028
General Office Building	1.70802 / 1.04685	19.4065	0.0561	1.4100e-003	21.2282
Unrefrigerated Warehouse-No Rail	3.367 / 0	25.4863	0.1103	2.7100e-003	29.0512
Total		**51.4776**	**0.1854**	**4.6000e-003**	**57.4821**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

Land Use	Mgal	MT/yr			
Automobile Care Center	0.57954 / 0.355202	6.5847	0.0190	4.8000e-004	7.2028
General Office Building	1.70802 / 1.04685	19.4065	0.0561	1.4100e-003	21.2282
Unrefrigerated Warehouse-No Rail	3.367 / 0	25.4863	0.1103	2.7100e-003	29.0512
Total		**51.4776**	**0.1854**	**4.6000e-003**	**57.4821**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	9.3701	0.5538	0.0000	23.2139
Unmitigated	9.3701	0.5538	0.0000	23.2139

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			

Automobile Care Center	23.53	4.7764	0.2823	0.0000	11.8333
General Office Building	8.94	1.8147	0.1073	0.0000	4.4959
Unrefrigerated Warehouse-No Rail	13.69	2.7790	0.1642	0.0000	6.8847
Total		**9.3701**	**0.5538**	**0.0000**	**23.2139**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	23.53	4.7764	0.2823	0.0000	11.8333
General Office Building	8.94	1.8147	0.1073	0.0000	4.4959
Unrefrigerated Warehouse-No Rail	13.69	2.7790	0.1642	0.0000	6.8847
Total		**9.3701**	**0.5538**	**0.0000**	**23.2139**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	2	6.00	260	89	0.20	Diesel
Tractors/Loaders/Backhoes	3	6.00	260	97	0.37	Diesel

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					
Forklifts	0.0281	0.2530	0.2302	3.0000e-004		0.0189	0.0189		0.0173	0.0173	0.0000	26.1868	26.1868	8.4700e-003	0.0000	26.3985
Tractors/Loaders/ Backhoes	0.0613	0.6158	0.6668	9.1000e-004		0.0389	0.0389		0.0358	0.0358	0.0000	79.8094	79.8094	0.0258	0.0000	80.4547
Total	**0.0894**	**0.8688**	**0.8970**	**1.2100e-003**		**0.0578**	**0.0578**		**0.0532**	**0.0532**	**0.0000**	**105.9962**	**105.9962**	**0.0343**	**0.0000**	**106.8532**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

LADWP - West LA District Yard Project

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	9.61	1000sqft	0.22	9,610.00	0
Unrefrigerated Warehouse-No Rail	14.56	1000sqft	0.33	14,560.00	0
Automobile Care Center	6.16	1000sqft	0.14	6,161.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2020
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operational year 2020.

Land Use - Land Use Statistics provided by LADWP.

Construction Phase - No construction.

Trips and VMT - No construction.

Demolition - No construction.

Grading - No construction.

Vehicle Trips - No construction.

Construction Off-road Equipment Mitigation - No construction.

Operational Off-Road Equipment - Equipment information provided by LADWP.

Fleet Mix - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	2.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	1.00	0.00
tblGrading	AcresOfGrading	0.00	0.50
tblLandUse	LandUseSquareFeet	6,160.00	6,161.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	6.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	6.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	3.00
tblTripsAndVMT	HaulingTripNumber	0.00	40.00
tblTripsAndVMT	HaulingTripNumber	0.00	40.00
tblVehicleTrips	ST_TR	23.72	0.00
tblVehicleTrips	ST_TR	1.68	17.31
tblVehicleTrips	SU_TR	11.88	0.00
tblVehicleTrips	SU_TR	1.68	17.31
tblVehicleTrips	WD_TR	23.72	0.00
tblVehicleTrips	WD_TR	11.03	26.25
tblVehicleTrips	WD_TR	1.68	17.36

2.0 Emissions Summary

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					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	2.4967	0.0000	0.0000	2.3481	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.4967**	**0.0000**	**0.0000**	**2.3481**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	2.4967	0.0000	0.0000	2.3481	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.4967**	**0.0000**	**0.0000**	**2.3481**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	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**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**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	0.6779	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.6400e-003	6.6400e-003	2.0000e-005		7.0800e-003
Energy	6.6200e-003	0.0602	0.0506	3.6000e-004		4.5800e-003	4.5800e-003		4.5800e-003	4.5800e-003		72.2712	72.2712	1.3900e-003	1.3200e-003	72.7007
Mobile	1.0665	5.4772	14.9358	0.0515	4.0313	0.0502	4.0815	1.0787	0.0472	1.1259		5,234.8708	5,234.8708	0.2561		5,241.2722
Offroad	0.6874	6.6828	6.8997	9.2800e-003		0.4445	0.4445		0.4090	0.4090		898.7754	898.7754	0.2907		906.0424
Total	**2.4384**	**12.2203**	**21.8892**	**0.0612**	**4.0313**	**0.4993**	**4.5306**	**1.0787**	**0.4607**	**1.5394**		**6,205.9241**	**6,205.9241**	**0.5482**	**1.3200e-003**	**6,220.0224**

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	0.6779	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.6400e-003	6.6400e-003	2.0000e-005		7.0800e-003
Energy	6.6200e-003	0.0602	0.0506	3.6000e-004		4.5800e-003	4.5800e-003		4.5800e-003	4.5800e-003		72.2712	72.2712	1.3900e-003	1.3200e-003	72.7007
Mobile	1.0665	5.4772	14.9358	0.0515	4.0313	0.0502	4.0815	1.0787	0.0472	1.1259		5,234.8708	5,234.8708	0.2561		5,241.2722
Offroad	0.6874	6.6828	6.8997	9.2800e-003		0.4445	0.4445		0.4090	0.4090		898.7754	898.7754	0.2907		906.0424
Total	**2.4384**	**12.2203**	**21.8892**	**0.0612**	**4.0313**	**0.4993**	**4.5306**	**1.0787**	**0.4607**	**1.5394**		**6,205.9241**	**6,205.9241**	**0.5482**	**1.3200e-003**	**6,220.0224**

	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**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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	1/2/2020	1/1/2020	5	0	
2	Site Preparation	Site Preparation	1/16/2020	1/15/2020	5	0	
3	Grading	Grading	1/17/2020	1/16/2020	5	0	
4	Building Construction	Building Construction	1/21/2020	1/20/2020	5	0	
5	Paving	Paving	6/9/2020	6/8/2020	5	0	
6	Architectural Coating	Architectural Coating	6/16/2020	6/15/2020	5	0	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 45,497; Non-Residential Outdoor: 15,166; Striped Parking Area: 0

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	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
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	4	10.00	0.00	138.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	40.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	40.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	11.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

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	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
Off-Road	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

Total	**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**

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	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	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
Total	**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**

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	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
Off-Road	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
Total	**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**

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	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	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
Total	**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**

3.3 Site Preparation - 2020

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	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
Off-Road	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
Total	**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**

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	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	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
Total	**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**

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	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
Off-Road	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
Total	**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**

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	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	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
Total	**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**

3.4 Grading - 2020

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	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
Off-Road	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
Total	**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**

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	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	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
Total	**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**

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	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
Off-Road	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
Total	**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**

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	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	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
Total	**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**

3.5 Building Construction - 2020

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	0.0000	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

Total	**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**

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	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	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
Total	**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**

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	0.0000	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
Total	**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**

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	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	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
Total	**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**

3.6 Paving - 2020

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	0.0000	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
Paving	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
Total	**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**

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	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	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
Total	**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**

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	0.0000	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
Paving	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
Total	**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**

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	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	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
Total	**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**

3.7 Architectural Coating - 2020

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	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
Off-Road	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
Total	**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**

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	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	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
Total	**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**

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	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
Off-Road	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
Total	**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**

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	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	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
Total	**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**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	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	1.0665	5.4772	14.9358	0.0515	4.0313	0.0502	4.0815	1.0787	0.0472	1.1259		5,234.8708	5,234.8708	0.2561		5,241.2722
Unmitigated	1.0665	5.4772	14.9358	0.0515	4.0313	0.0502	4.0815	1.0787	0.0472	1.1259		5,234.8708	5,234.8708	0.2561		5,241.2722

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	0.00	0.00	0.00		
General Office Building	252.26	23.64	10.09	595,990	595,990
Unrefrigerated Warehouse-No Rail	252.76	252.03	252.03	1,082,373	1,082,373
Total	505.02	275.67	262.12	1,678,364	1,678,364

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
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.547828	0.043645	0.199892	0.122290	0.016774	0.005862	0.020637	0.032653	0.002037	0.001944	0.004777	0.000705	0.000956
General Office Building	0.547828	0.043645	0.199892	0.122290	0.016774	0.005862	0.020637	0.032653	0.002037	0.001944	0.004777	0.000705	0.000956
Unrefrigerated Warehouse-No Rail	0.547828	0.043645	0.199892	0.122290	0.016774	0.005862	0.020637	0.032653	0.002037	0.001944	0.004777	0.000705	0.000956

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	6.6200e-003	0.0602	0.0506	3.6000e-004		4.5800e-003	4.5800e-003		4.5800e-003	4.5800e-003		72.2712	72.2712	1.3900e-003	1.3200e-003	72.7007
NaturalGas Unmitigated	6.6200e-003	0.0602	0.0506	3.6000e-004		4.5800e-003	4.5800e-003		4.5800e-003	4.5800e-003		72.2712	72.2712	1.3900e-003	1.3200e-003	72.7007

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					
Automobile Care Center	305.518	3.2900e-003	0.0300	0.0252	1.8000e-004		2.2800e-003	2.2800e-003		2.2800e-003	2.2800e-003		35.9433	35.9433	6.9000e-004	6.6000e-004	36.1569
General Office Building	274.082	2.9600e-003	0.0269	0.0226	1.6000e-004		2.0400e-003	2.0400e-003		2.0400e-003	2.0400e-003		32.2450	32.2450	6.2000e-004	5.9000e-004	32.4366
Unrefrigerated Warehouse-No Rail	34.7047	3.7000e-004	3.4000e-003	2.8600e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		4.0829	4.0829	8.0000e-005	7.0000e-005	4.1072
Total		**6.6200e-003**	**0.0602**	**0.0506**	**3.6000e-004**		**4.5800e-003**	**4.5800e-003**		**4.5800e-003**	**4.5800e-003**		**72.2712**	**72.2712**	**1.3900e-003**	**1.3200e-003**	**72.7007**

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					
Automobile Care Center	0.305518	3.2900e-003	0.0300	0.0252	1.8000e-004		2.2800e-003	2.2800e-003		2.2800e-003	2.2800e-003		35.9433	35.9433	6.9000e-004	6.6000e-004	36.1569
General Office Building	0.274082	2.9600e-003	0.0269	0.0226	1.6000e-004		2.0400e-003	2.0400e-003		2.0400e-003	2.0400e-003		32.2450	32.2450	6.2000e-004	5.9000e-004	32.4366
Unrefrigerated Warehouse-No Rail	0.0347047	3.7000e-004	3.4000e-003	2.8600e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		4.0829	4.0829	8.0000e-005	7.0000e-005	4.1072
Total		**6.6200e-003**	**0.0602**	**0.0506**	**3.6000e-004**		**4.5800e-003**	**4.5800e-003**		**4.5800e-003**	**4.5800e-003**		**72.2712**	**72.2712**	**1.3900e-003**	**1.3200e-003**	**72.7007**

6.0 Area Detail

6.1 Mitigation Measures Area

	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	0.6779	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.6400e-003	6.6400e-003	2.0000e-005		7.0800e-003
Unmitigated	0.6779	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.6400e-003	6.6400e-003	2.0000e-005		7.0800e-003

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	0.0770					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6006					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.9000e-004	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.6400e-003	6.6400e-003	2.0000e-005		7.0800e-003
Total	**0.6779**	**3.0000e-005**	**3.1200e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**6.6400e-003**	**6.6400e-003**	**2.0000e-005**		**7.0800e-003**

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	0.0770					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6006					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.9000e-004	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.6400e-003	6.6400e-003	2.0000e-005		7.0800e-003
Total	**0.6779**	**3.0000e-005**	**3.1200e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**6.6400e-003**	**6.6400e-003**	**2.0000e-005**		**7.0800e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	2	6.00	260	89	0.20	Diesel

Tractors/Loaders/Backhoes	3	6.00	260	97	0.37	Diesel

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					
Forklifts	0.2160	1.9463	1.7704	2.2900e-003		0.1450	0.1450		0.1334	0.1334		222.0463	222.0463	0.0718		223.8416
Tractors/Loaders/ Backhoes	0.4714	4.7366	5.1293	6.9900e-003		0.2995	0.2995		0.2756	0.2756		676.7291	676.7291	0.2189		682.2008
Total	**0.6874**	**6.6828**	**6.8997**	**9.2800e-003**		**0.4445**	**0.4445**		**0.4090**	**0.4090**		**898.7754**	**898.7754**	**0.2907**		**906.0424**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

LADWP - West LA District Yard Project

South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	9.61	1000sqft	0.22	9,610.00	0
Unrefrigerated Warehouse-No Rail	14.56	1000sqft	0.33	14,560.00	0
Automobile Care Center	6.16	1000sqft	0.14	6,161.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2020
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operational year 2020.

Land Use - Land Use Statistics provided by LADWP.

Construction Phase - No construction.

Trips and VMT - No construction.

Demolition - No construction.

Grading - No construction.

Vehicle Trips - No construction.

Construction Off-road Equipment Mitigation - No construction.

Operational Off-Road Equipment - Equipment information provided by LADWP.

Fleet Mix - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	2.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	1.00	0.00
tblGrading	AcresOfGrading	0.00	0.50
tblLandUse	LandUseSquareFeet	6,160.00	6,161.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	6.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	6.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	3.00
tblTripsAndVMT	HaulingTripNumber	0.00	40.00
tblTripsAndVMT	HaulingTripNumber	0.00	40.00
tblVehicleTrips	ST_TR	23.72	0.00
tblVehicleTrips	ST_TR	1.68	17.31
tblVehicleTrips	SU_TR	11.88	0.00
tblVehicleTrips	SU_TR	1.68	17.31
tblVehicleTrips	WD_TR	23.72	0.00
tblVehicleTrips	WD_TR	11.03	26.25
tblVehicleTrips	WD_TR	1.68	17.36

2.0 Emissions Summary

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					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	2.4997	0.0000	0.0000	2.3509	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.4997**	**0.0000**	**0.0000**	**2.3509**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	2.4997	0.0000	0.0000	2.3509	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.4997**	**0.0000**	**0.0000**	**2.3509**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	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**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**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	0.6779	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.6400e-003	6.6400e-003	2.0000e-005		7.0800e-003
Energy	6.6200e-003	0.0602	0.0506	3.6000e-004		4.5800e-003	4.5800e-003		4.5800e-003	4.5800e-003		72.2712	72.2712	1.3900e-003	1.3200e-003	72.7007
Mobile	1.0173	5.6156	13.9318	0.0488	4.0313	0.0505	4.0818	1.0787	0.0474	1.1261		4,956.9829	4,956.9829	0.2546		4,963.3482
Offroad	0.6874	6.6828	6.8997	9.2800e-003		0.4445	0.4445		0.4090	0.4090		898.7754	898.7754	0.2907		906.0424
Total	**2.3892**	**12.3587**	**20.8852**	**0.0584**	**4.0313**	**0.4996**	**4.5309**	**1.0787**	**0.4609**	**1.5396**		**5,928.0361**	**5,928.0361**	**0.5467**	**1.3200e-003**	**5,942.0984**

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	0.6779	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.6400e-003	6.6400e-003	2.0000e-005		7.0800e-003
Energy	6.6200e-003	0.0602	0.0506	3.6000e-004		4.5800e-003	4.5800e-003		4.5800e-003	4.5800e-003		72.2712	72.2712	1.3900e-003	1.3200e-003	72.7007
Mobile	1.0173	5.6156	13.9318	0.0488	4.0313	0.0505	4.0818	1.0787	0.0474	1.1261		4,956.9829	4,956.9829	0.2546		4,963.3482
Offroad	0.6874	6.6828	6.8997	9.2800e-003		0.4445	0.4445		0.4090	0.4090		898.7754	898.7754	0.2907		906.0424
Total	**2.3892**	**12.3587**	**20.8852**	**0.0584**	**4.0313**	**0.4996**	**4.5309**	**1.0787**	**0.4609**	**1.5396**		**5,928.0361**	**5,928.0361**	**0.5467**	**1.3200e-003**	**5,942.0984**

	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**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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	1/2/2020	1/1/2020	5	0	
2	Site Preparation	Site Preparation	1/16/2020	1/15/2020	5	0	
3	Grading	Grading	1/17/2020	1/16/2020	5	0	
4	Building Construction	Building Construction	1/21/2020	1/20/2020	5	0	
5	Paving	Paving	6/9/2020	6/8/2020	5	0	
6	Architectural Coating	Architectural Coating	6/16/2020	6/15/2020	5	0	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 45,497; Non-Residential Outdoor: 15,166; Striped Parking Area: 0

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	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
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	4	10.00	0.00	138.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	40.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	40.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	11.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

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	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
Off-Road	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

Total	**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**

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	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	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
Total	**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**

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	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
Off-Road	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
Total	**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**

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	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	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
Total	**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**

3.3 Site Preparation - 2020

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	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
Off-Road	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
Total	**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**

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	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	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
Total	**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**

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	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
Off-Road	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
Total	**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**

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	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	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
Total	**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**

3.4 Grading - 2020

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	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
Off-Road	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
Total	**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**

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	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	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
Total	**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**

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	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
Off-Road	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
Total	**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**

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	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	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
Total	**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**

3.5 Building Construction - 2020

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	0.0000	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

Total	**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**

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	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	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
Total	**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**

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	0.0000	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
Total	**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**

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	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	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
Total	**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**

3.6 Paving - 2020

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	0.0000	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
Paving	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
Total	**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**

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	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	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
Total	**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**

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	0.0000	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
Paving	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
Total	**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**

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	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	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
Total	**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**

3.7 Architectural Coating - 2020

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	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
Off-Road	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
Total	**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**

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	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	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
Total	**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**

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	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
Off-Road	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
Total	**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**

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	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	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
Total	**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**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	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	1.0173	5.6156	13.9318	0.0488	4.0313	0.0505	4.0818	1.0787	0.0474	1.1261		4,956.9829	4,956.9829	0.2546		4,963.3482
Unmitigated	1.0173	5.6156	13.9318	0.0488	4.0313	0.0505	4.0818	1.0787	0.0474	1.1261		4,956.9829	4,956.9829	0.2546		4,963.3482

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	0.00	0.00	0.00		
General Office Building	252.26	23.64	10.09	595,990	595,990
Unrefrigerated Warehouse-No Rail	252.76	252.03	252.03	1,082,373	1,082,373
Total	505.02	275.67	262.12	1,678,364	1,678,364

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
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.547828	0.043645	0.199892	0.122290	0.016774	0.005862	0.020637	0.032653	0.002037	0.001944	0.004777	0.000705	0.000956
General Office Building	0.547828	0.043645	0.199892	0.122290	0.016774	0.005862	0.020637	0.032653	0.002037	0.001944	0.004777	0.000705	0.000956
Unrefrigerated Warehouse-No Rail	0.547828	0.043645	0.199892	0.122290	0.016774	0.005862	0.020637	0.032653	0.002037	0.001944	0.004777	0.000705	0.000956

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	6.6200e-003	0.0602	0.0506	3.6000e-004		4.5800e-003	4.5800e-003		4.5800e-003	4.5800e-003		72.2712	72.2712	1.3900e-003	1.3200e-003	72.7007
NaturalGas Unmitigated	6.6200e-003	0.0602	0.0506	3.6000e-004		4.5800e-003	4.5800e-003		4.5800e-003	4.5800e-003		72.2712	72.2712	1.3900e-003	1.3200e-003	72.7007

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					
Automobile Care Center	305.518	3.2900e-003	0.0300	0.0252	1.8000e-004		2.2800e-003	2.2800e-003		2.2800e-003	2.2800e-003		35.9433	35.9433	6.9000e-004	6.6000e-004	36.1569
General Office Building	274.082	2.9600e-003	0.0269	0.0226	1.6000e-004		2.0400e-003	2.0400e-003		2.0400e-003	2.0400e-003		32.2450	32.2450	6.2000e-004	5.9000e-004	32.4366
Unrefrigerated Warehouse-No Rail	34.7047	3.7000e-004	3.4000e-003	2.8600e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		4.0829	4.0829	8.0000e-005	7.0000e-005	4.1072
Total		**6.6200e-003**	**0.0602**	**0.0506**	**3.6000e-004**		**4.5800e-003**	**4.5800e-003**		**4.5800e-003**	**4.5800e-003**		**72.2712**	**72.2712**	**1.3900e-003**	**1.3200e-003**	**72.7007**

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					
Automobile Care Center	0.305518	3.2900e-003	0.0300	0.0252	1.8000e-004		2.2800e-003	2.2800e-003		2.2800e-003	2.2800e-003		35.9433	35.9433	6.9000e-004	6.6000e-004	36.1569
General Office Building	0.274082	2.9600e-003	0.0269	0.0226	1.6000e-004		2.0400e-003	2.0400e-003		2.0400e-003	2.0400e-003		32.2450	32.2450	6.2000e-004	5.9000e-004	32.4366
Unrefrigerated Warehouse-No Rail	0.0347047	3.7000e-004	3.4000e-003	2.8600e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		4.0829	4.0829	8.0000e-005	7.0000e-005	4.1072
Total		**6.6200e-003**	**0.0602**	**0.0506**	**3.6000e-004**		**4.5800e-003**	**4.5800e-003**		**4.5800e-003**	**4.5800e-003**		**72.2712**	**72.2712**	**1.3900e-003**	**1.3200e-003**	**72.7007**

6.0 Area Detail

6.1 Mitigation Measures Area

	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	0.6779	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.6400e-003	6.6400e-003	2.0000e-005		7.0800e-003
Unmitigated	0.6779	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.6400e-003	6.6400e-003	2.0000e-005		7.0800e-003

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	0.0770					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6006					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.9000e-004	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.6400e-003	6.6400e-003	2.0000e-005		7.0800e-003
Total	**0.6779**	**3.0000e-005**	**3.1200e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**6.6400e-003**	**6.6400e-003**	**2.0000e-005**		**7.0800e-003**

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	0.0770					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6006					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.9000e-004	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.6400e-003	6.6400e-003	2.0000e-005		7.0800e-003
Total	**0.6779**	**3.0000e-005**	**3.1200e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**6.6400e-003**	**6.6400e-003**	**2.0000e-005**		**7.0800e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	2	6.00	260	89	0.20	Diesel

Tractors/Loaders/Backhoes	3	6.00	260	97	0.37	Diesel

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					
Forklifts	0.2160	1.9463	1.7704	2.2900e-003		0.1450	0.1450		0.1334	0.1334		222.0463	222.0463	0.0718		223.8416
Tractors/Loaders/ Backhoes	0.4714	4.7366	5.1293	6.9900e-003		0.2995	0.2995		0.2756	0.2756		676.7291	676.7291	0.2189		682.2008
Total	**0.6874**	**6.6828**	**6.8997**	**9.2800e-003**		**0.4445**	**0.4445**		**0.4090**	**0.4090**		**898.7754**	**898.7754**	**0.2907**		**906.0424**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Proposed Project Energy Demand Calculations

LADWP West Yard

Project Operational Energy Demand

Mobile Source Gasoline Demand

Project Facility	Vehicle MT CO_2	Kg CO2/Gallon	Gallons
Corporate Yard	1,458.01	8.78	166,060.21

Mobile Source Diesel Demand

Project Facility	Vehicle MT CO_2	Kg CO2/Gallon	Gallons
Corporate Yard	113.81	10.21	11,146.89

Electricity Demand

Project Consumption	kWh/Year
Project Buildings	569,720.00
Water/Wastewater	15,242.14
Total	**584,962.14**

Natural Gas Demand

Project Facility	kBTu/Year
Corporate Yard	624,600.00
Total	**624,600.00**

LADWP West Yard Project

Project Construction Energy Demand

Construction Worker Gasoline Demand

Phase	Trips	Vehicle CO_2 (MT)	Kg CO2/Gallon	Gallons
Demolition	26	10.93	8.78	1,245.19
Site Preparation	10	0.29	8.78	32.65
Grading One - Shoring 1	6	2.35	8.78	267.76
Trenching	8	2.52	8.78	287.35
Grading Two - Excavation	28	11.64	8.78	1,325.73
Grading Three - Shoring 2	4	0.59	8.78	67.48
Paving One - Concrete Foundations	26	36.49	8.78	4,156.15
Building Construction	124	313.55	8.78	35,711.96
Architectural Coating	26	9.85	8.78	1,121.63
Paving Two - Concrete Paving	18	5.02	8.78	571.57
Total				**44,787.47**

Construction Vendor Diesel Demand

Phase	Trips	Vehicle CO_2 (MT)	Kg CO2/Gallon	Gallons
Demolition	0	0	10.21	0.00
Site Preparation	0	0	10.21	0.00
Grading One - Shoring 1	0	0	10.21	0.00
Trenching	0	0	10.21	0.00
Grading Two - Excavation	0	0	10.21	0.00
Grading Three - Shoring 2	0	0	10.21	0.00
Paving One - Concrete Foundations	0	0	10.21	0.00
Building Construction	51	341.57	10.21	33,454.19
Architectural Coating	0	0	10.21	0.00
Paving Two - Concrete Paving	0	0	10.21	0.00
Total				**33,454.19**

Construction Haul Diesel Demand

Phase	Trips	Vehicle CO_2 (MT)	Kg CO2/Gallon	Gallons
Demolition	138	5.1522	10.21	504.62
Site Preparation	0	0	10.21	0.00
Grading One - Shoring 1	0	0	10.21	0.00
Trenching	0	0	10.21	0.00
Grading Two - Excavation	10,000	373.35	10.21	36,567.05
Grading Three - Shoring 2	0	0	10.21	0.00
Paving One - Concrete Foundations	0	0	10.21	0.00
Building Construction	0	0	10.21	0.00
Architectural Coating	0	0	10.21	0.00
Paving Two - Concrete Paving	0	0	10.21	0.00
Total				**37,071.67**

Construction Equipment Diesel Demand

Phase	Pieces of Equipment	Equipment CO_2 (MT)	Kg CO2/Gallon	Gallons
Demolition	10	257.45	10.21	25,215.40
Site Preparation	4	6.14	10.21	601.49
Grading One - Shoring 1	2	42.66	10.21	4,178.64
Trenching	3	32.99	10.21	3,231.19
Grading Two - Excavation	11	307.48	10.21	30,115.44
Grading Three - Shoring 2	1	12.89	10.21	1,262.39
Paving One - Concrete Foundations	10	97.62	10.21	9,560.78
Building Construction	11	842.90	10.21	82,555.90
Architectural Coating	1	11.23	10.21	1,100.33
Paving Two - Concrete Paving	7	62.85	10.21	6,155.52
Total				**163,977.07**

Construction Equipment Usage

Phase	Hours of Use
Grading Two - Excavation	192
Grading Three - Shoring 2	656
Paving One - Concrete Foundations	0
Building Construction	0
Architectural Coating	0
Paving Two - Concrete Paving	0
Total	**848**

APPENDIX B

Cultural Report

CULTURAL RESOURCES REPORT FOR THE LOS ANGELES DEPARTMENT OF WATER AND POWER WEST LOS ANGELES DISTRICT YARD PROJECT

City of Los Angeles, Los Angeles County, California

PREPARED FOR:

LOS ANGELES DEPARTMENT OF WATER AND POWER
Environmental Services
111 North Hope Street, Room 1044
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ACRONYMS AND ABBREVIATIONS

ADA	Americans with Disabilities Act
CEQA	California Environmental Quality Act
CHRIS	California Historical Resources Information System
CRHR	California Register of Historical Resources
DPR	Department of Parks and Recreation
HCM	Historic-Cultural Monument
HPOZ	Historic Preservation Overlay Zone
LACHS	Los Angeles City Historical Society
LADBS	Los Angeles Department of Buildings and Safety
LADWP	Los Angeles Department of Water and Power
MLD	most likely descendant
NAHC	Native American Heritage Commission
NRHP	National Register of Historic Places
SCCIC	South Central Coastal Information Center
SLF	Sacred Lands File
WWII	World War II

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EXECUTIVE SUMMARY

Dudek was retained by Los Angeles Department of Water and Power (LADWP) to complete a cultural resources study for a project that proposes to demolish five buildings on the West Los Angeles District Yard Headquarters property in the City of Los Angeles, Los Angeles County, California (project site). The study involved completion of a California Historical Resources Information System (CHRIS) records search, outreach with the Native American Heritage Commission (NAHC) and local tribes/groups, a pedestrian survey of the project area for built environment resources, and recordation and evaluation of the property for historical significance. The significance evaluation included conducting archival and building development research for each building on the property; outreach with local libraries, historical societies, and advocacy groups; and completion of a historic context.

This study was conducted in accordance with Section 15064.5(a)(2)-(3) of the California Environmental Quality Act (CEQA) Guidelines, and the project site was evaluated in consideration of National Register of Historic Places (NRHP), California Register of Historical Resources (CRHR), and City of Los Angeles Historical-Cultural Monument eligibility and integrity requirements.

No archaeological resources were identified within the project site as a result of the CHRIS records search, Native American coordination, or survey. One Native American contact requested the presence of a Native American monitor during all ground-disturbing activities. No specific archaeological resources or sensitivity concerns were identified by any sources consulted. However, it is always possible that intact archaeological deposits are present at subsurface levels. For these reasons, the project site should be treated as potentially sensitive for archaeological resources. Management recommendations to reduce potential impacts to unanticipated archaeological resources and human remains during campus construction activities are provided in Section 6.2 (Management Recommendations).

The LADWP yard buildings located at 12300 Nebraska Avenue were evaluated for historical significance and do not appear eligible for inclusion in the NRHP, CRHR, or local register (6Z) due to a lack of significant historical associations. These properties are not considered historical resources for the purposes CEQA. Therefore, the proposed project would have a less-than-significant impact on historical resources for the purposes of CEQA.

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1 INTRODUCTION

Dudek was retained by Los Angeles Department of Water and Power (LADWP) to complete a cultural resources study for a project that proposes demolition of five LADWP-owned administrative buildings and warehouses at the West Los Angeles District Headquarters located at 12300 West Nebraska Avenue, Los Angeles, Los Angeles County, California (project site) (Figure 1, Regional Map and Figure 2, Project Location). The study involved completion of a CHRIS records search, outreach with the NAHC and local tribes/groups, a pedestrian survey of the project area, and evaluation of the property for historical significance. The significance evaluation included conducting archival and building development research for each property; outreach with local libraries, historical societies, and advocacy groups; and completion of a historic context.

This study was conducted in accordance with Section 15064.5(a)(2)-(3) of the CEQA Guidelines, and the project site was evaluated in consideration of NRHP, CRHR, and City of Los Angeles Historical-Cultural Monument eligibility and integrity requirements.

1.1 Project Description

The West Los Angeles District Yard Project (proposed project) is a facility improvement project proposed by LADWP. The project would demolish five structures on site, including the district office, warehouse, break room, locker room, and fleet shop. Three new buildings would be constructed in their place: a warehouse, district office, and fleet shop. These new buildings would consolidate all of the functions of the demolished buildings. Beneath the proposed new buildings would be a single-level underground parking structure with a total of 204 parking stalls. Additionally, the existing straddle crane located within the yard would be relocated toward the southeast section of the district yard closer to the driveway along Olympic Boulevard. At the existing on-site fueling station, also in along the access driveway connecting the project site to Olympic Boulevard, the existing unleaded and diesel fuel tanks would remain above ground, and a new compressed natural gas (CNG) tank would be installed aboveground. All fleet vehicle parking, a total of 32 oversized parking spaces, would be relocated on a surface parking lot.

1.2 Project Location

The 6.3-acre project site is located at 12300 Nebraska Avenue, in the City of Los Angeles. The project site is generally bounded by Nebraska Avenue to the northwest, Bundy Drive to the northeast, Centinela Avenue to the southwest, and Olympic Boulevard to the southeast (Figure 3, Site Map). The project is located in Council District No. 11 and in the West Los Angeles Community Planning Area.

1.3 Project Personnel

All cultural resources technical work in support of this report was completed by Dudek staff. This report was authored by Dudek Architectural Historians Kate Kaiser, MSHP and Samantha Murray, MA. The

cultural resources fieldwork was completed by Ms. Kaiser and Sarah Corder, MFA. Ms. Kaiser also completed the archival research the Department of Parks and Recreation (DPR) forms, and prepared the associated significance evaluation. Dudek Archaeologist Adriane Dorrler contributed to archaeological components of this report, including review and summary of CHRIS records search results. All project staff meet or exceed the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61) in architectural history and archaeology.

1.4 Regulatory Setting

This section includes a discussion of the applicable state and local laws, ordinances, regulations, and standards governing cultural resources, which must be adhered to before and during construction of the proposed project.

Federal

Although there is no federal nexus for this project, resources were evaluated in consideration of NRHP designation criteria.

The NRHP is the United States' official list of districts, sites, buildings, structures, and objects worthy of preservation. Overseen by the National Park Service under the U.S. Department of the Interior, the NRHP was authorized under the National Historic Preservation Act, as amended. Its listings encompass all National Historic Landmarks and historic areas administered by the National Park Service.

NRHP guidelines for the evaluation of historic significance were developed to be flexible and to recognize the accomplishments of all who have made significant contributions to the nation's history and heritage. Its criteria are designed to guide state and local governments, federal agencies, and others in evaluating potential entries in the NRHP. For a property to be listed in or determined eligible for listing, it must be demonstrated to possess integrity and to meet at least one of the following criteria:

The quality of significance in American history, architecture, archaeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and:

A. That are associated with events that have made a significant contribution to the broad patterns of our history; or

B. That are associated with the lives of persons significant in our past; or

C. That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or

D. That have yielded, or may be likely to yield, information important in prehistory or history.

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SOURCE: Esri Basemaps

FIGURE 1

Regional Map

LADWP West LA Yards

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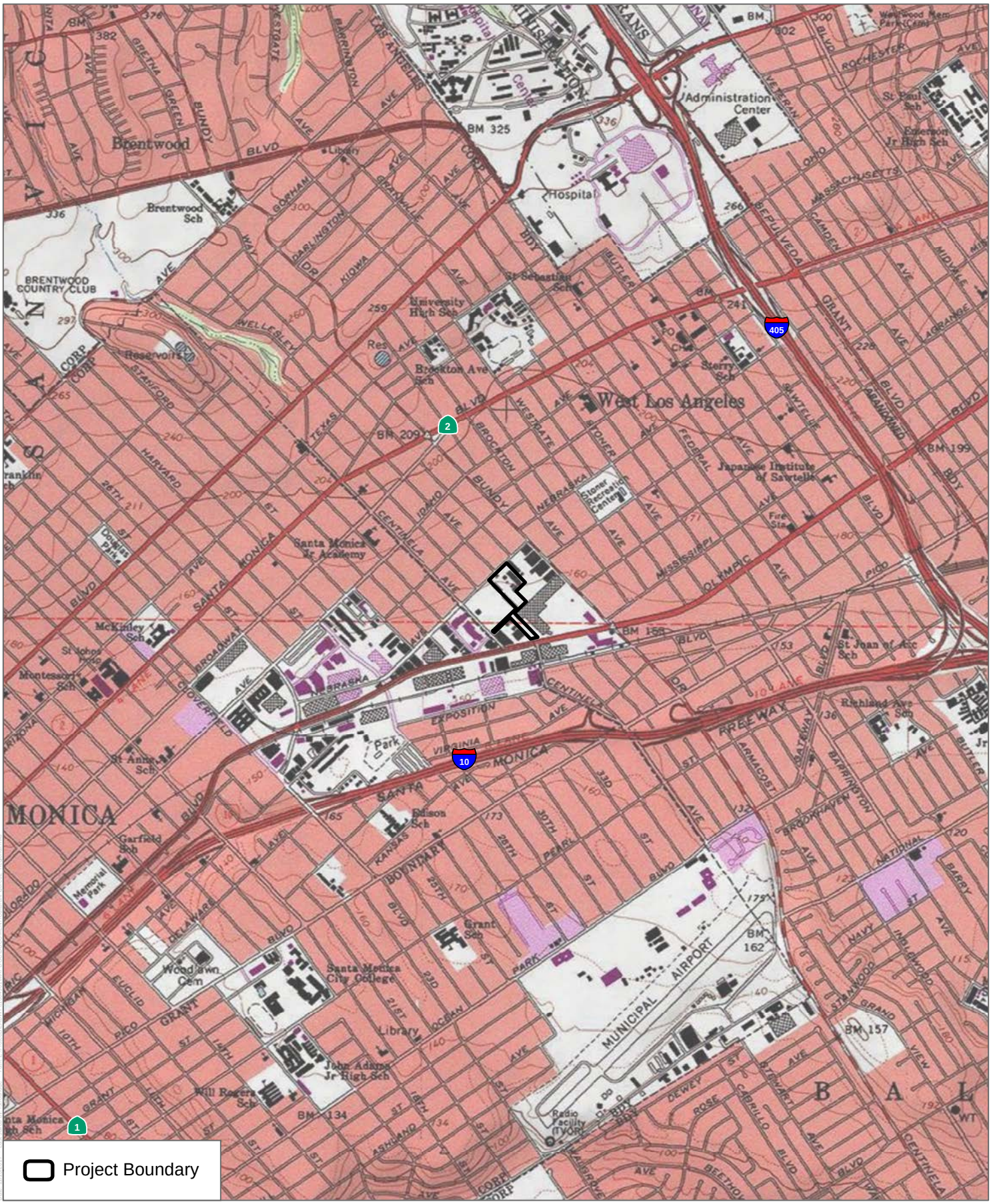

SOURCE: Esri Basemaps

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0 1,000 2,000 Feet

FIGURE 2

Project Location Map

LADWP West LA Yards

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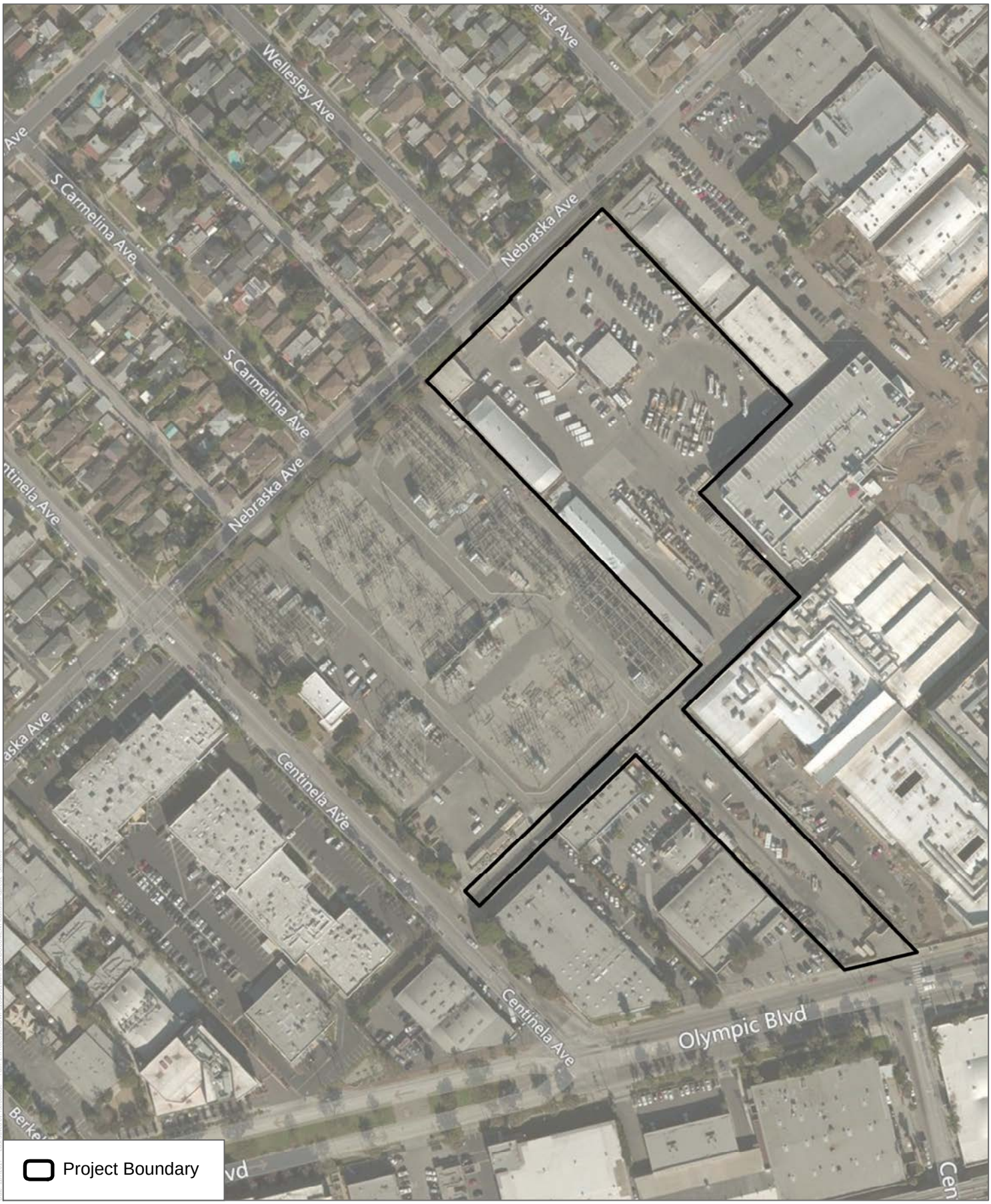

SOURCE: Bing Maps (Accessed 2017)

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0 100 200 Feet

FIGURE 2

Site Map

LADWP West LA Yards

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Integrity is defined in NRHP guidance, How to Apply the National Register Criteria, as "the ability of a property to convey its significance. To be listed in the NRHP, a property must not only be shown to be significant under the NRHP criteria, but it also must have integrity" (NPS 1990). NRHP guidance further asserts that properties be completed at least 50 years ago to be considered for eligibility. Properties completed fewer than 50 years before evaluation must be proven to be "exceptionally important" (criteria consideration G) to be considered for listing.

A historic property is defined as "any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the NRHP maintained by the Secretary of the Interior. This term includes artifacts, records, and remains that are related to and located within such properties. The term includes properties of traditional religious and cultural importance to an Indian tribe or Native Hawaiian organization and that meet the NRHP criteria" (36 Code of Federal Regulations (CFR) Sections 800.16(i)(1)).

Effects on historic properties under Section 106 of the National Historic Preservation Act are defined in the assessment of adverse effects in 36 CFR Sections 800.5(a)(1).

State

CRHR (California Public Resources Code Section 5020 et seq.)

In California, the term "historical resource" includes "any object, building, structure, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California" (California Public Resources Code (PRC), Section 5020.1(j)). In 1992, the California legislature established the CRHR "to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change" (PRC Section 5024.1(a)). The criteria for listing resources in the CRHR were expressly developed to be in accordance with previously established criteria developed for listing in the NRHP, enumerated below. According to PRC Section 5024.1(c)(1–4), a resource is considered historically significant if it (i) retains "substantial integrity," and (ii) meets at least one of the following criteria:

(1) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.

(2) Is associated with the lives of persons important in our past.

(3) Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.

(4) Has yielded, or may be likely to yield, information important in prehistory or history.

To understand the historic importance of a resource, sufficient time must have passed to obtain a scholarly perspective on the events or individuals associated with the resource. A resource less than 50 years old may be considered for listing in the CRHR if it can be demonstrated that sufficient time has passed to understand its historical importance (see 14 California Code of Regulations Section 4852(d)(2)).

The CRHR protects cultural resources by requiring evaluations of the significance of prehistoric and historic resources. The criteria for the CRHR are nearly identical to those for the NRHP, and properties listed in or formally designated as eligible for listing in the NRHP are automatically listed in the CRHR, as are state landmarks and points of interest. The CRHR also includes properties designated under local ordinances or identified through local historical resource surveys.

CEQA

As described further, the following CEQA statutes and CEQA Guidelines are of relevance to the analysis of archaeological, historic, and tribal cultural resources:

- PRC Section 21083.2(g) defines "unique archaeological resource."
- PRC Section 21084.1 and CEQA Guidelines Section 15064.5(a) defines "historical resources." In addition, CEQA Guidelines Section 15064.5(b) defines the phrase "substantial adverse change in the significance of an historical resource"; it also defines the circumstances when a project would materially impair the significance of an historical resource.
- PRC Section 21074(a) defines "tribal cultural resources."
- PRC Section 5097.98 and CEQA Guidelines Section 15064.5(e) set forth standards and steps to be employed following the accidental discovery of human remains in any location other than a dedicated ceremony.
- PRC Sections 21083.2(b) and 21083.2(c) and CEQA Guidelines Section 15126.4 provide information regarding the mitigation framework for archaeological and historic resources, including examples of preservation-in-place mitigation measures. Preservation-in-place is the preferred manner of mitigating impacts to significant archaeological sites because it maintains the relationship between artifacts and the archaeological context and may also help avoid conflict with religious or cultural values of groups associated with the archaeological site(s).

More specifically, under CEQA, a project may have a significant impact on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (PRC Section 21084.1; CEQA Guidelines Section 15064.5(b)). If a site is either listed in or eligible for listing in the CRHR, included in a local register of historic resources, or identified as significant in a historical resources survey (meeting the requirements of PRC Section 5024.1(q)), it is a "historical resource" and is presumed to be historically or culturally significant for the purposes of CEQA (PRC Section 21084.1; CEQA Guidelines Section

15064.5(a)). The lead agency is not precluded from determining that a resource is a historical resource even if it does not fall within this presumption (PRC Section 21084.1; CEQA Guidelines Section 15064.5(a)).

A "substantial adverse change in the significance of an historical resource"—indicating a significant effect under CEQA—means "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (CEQA Guidelines Section 15064.5(b)(1); PRC Section 5020.1(q)). In turn, the significance of a historical resource is materially impaired when a project does any of the following (CEQA Guidelines Section 15064.5(b)(2)):

1. Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register; or
2. Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to Section 5020.1(k) of the PRC or its identification in an historical resources survey meeting the requirements of Section 5024.1(g) of the PRC, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
3. Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register as determined by a lead agency for purposes of CEQA.

Pursuant to these sections, the CEQA inquiry begins with evaluating whether a project site contains any "historical resources," then evaluates whether that project would cause a substantial adverse change in the significance of an historical resource such that the resource's historical significance would be materially impaired.

If it can be demonstrated that a project would cause damage to a unique archaeological resource, the lead agency may require reasonable efforts be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. To the extent that they cannot be left undisturbed, mitigation measures are required (PRC Sections 21083.2(a), (b), and (c)).

PRC Section 21083.2(g) defines a unique "archaeological resource" as an "archaeological artifact, object, or site about which it can be clearly demonstrated that without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

1. Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.
2. Has a special and particular quality such as being the oldest of its type or the best available example of its type.
3. Is directly associated with a scientifically recognized important prehistoric or historic event or person."

Impacts to non-unique archaeological resources are generally not considered a significant environmental impact (PRC Section 21083.2(a); CEQA Guidelines Section 15064.5(c)(4)). However, if a non-unique archaeological resource qualifies as a tribal cultural resource (PRC Section 21074(c); 21083.2(h)), further consideration of significant impacts is required.

CEQA Guidelines Section 15064.5 assigns special importance to human remains and specifies procedures to be used when Native American remains are discovered. These procedures, described as follows, are detailed in PRC Section 5097.98.

California Health and Safety Code

California law protects Native American burials, skeletal remains, and associated grave goods, regardless of their antiquity, and provides for the sensitive treatment and disposition of those remains. Health and Safety Code Section 7050.5 requires that if human remains are discovered in any place other than a dedicated cemetery, no further disturbance or excavation of the site or nearby area reasonably suspected to contain human remains can occur until the County Coroner has examined the remains (Health and Safety Code Section 7050.5b). PRC Section 5097.98 outlines the process to be followed in the event that remains are discovered. If the coroner determines or has reason to believe the remains are those of a Native American, the coroner must contact the NAHC within 24 hours (Health and Safety Code Section 7050.5c). The NAHC would notify the most likely descendant (MLD). With the permission of the landowner, the MLD may inspect the site of discovery. The inspection must be completed within 48 hours of notification of the MLD by the NAHC. The MLD may recommend means of treating or disposing of, with appropriate dignity, the human remains and items associated with Native Americans.

Local

Los Angeles Historic-Cultural Monuments

Local landmarks in the City of Los Angeles are known as Historic-Cultural Monuments (HCMs) and are under the aegis of the Planning Department, Office of Historic Resources. They are defined in the Cultural Heritage Ordinance as follows (Los Angeles Municipal Code Section 22.171.7, added by Ordinance No. 178,402, effective April 2, 2007):

> Historic-Cultural Monument (Monument) is any site (including significant trees or other plant life located on the site), building or structure of particular historic or cultural significance to the City of Los Angeles, including historic structures or sites in which the broad cultural, economic or social history of the nation, State or community is reflected or exemplified; or which is identified with historic personages or with important events in the main currents of national, State or local history; or which embodies the distinguishing characteristics of an architectural type specimen, inherently valuable for a study of a period,

> style or method of construction; or a notable work of a master builder, designer, or architect whose individual genius influenced his or her age.

For the purposes of SurveyLA, this definition has been broken down into the following four HCM designation criteria that closely parallel the existing NRHP and CRHR criteria:

1. Is identified with important events in the main currents of national, State or local history, or exemplifies significant contributions to the broad cultural, political, economic or social history of the nation, state, city, or community; or
2. Is associated with the lives of Historic Personages important to national, state, city, or local history; or
3. Embodies the distinctive characteristics of a style, type, period, or method of construction; or represents a notable work of a master designer, builder or architect whose genius influenced his or her age; or possesses high artistic values; or
4. Has yielded, or has the potential to yield, information important to the pre-history or history of the nation, state, city or community.

Historic Preservation Overlay Zones

As described by the City of Los Angeles Office of Historic Resources, the Historic Preservation Overlay Zone (HPOZ) Ordinance was adopted in 1979 and amended in 2004 to identify and protect neighborhoods with distinct architectural and cultural resources. HPOZs, commonly known as historic districts, provide for review of proposed exterior alterations and additions to historic properties within designated districts.

Regarding HPOZ eligibility, City of Los Angeles Ordinance Number 175891 states (Los Angeles Municipal Code, Section 12.20.3):

> Features designated as contributing shall meet one or more of the following criteria:
>
> 1. adds to the Historic architectural qualities or Historic associations for which a property is significant because it was present during the period of significance, and possesses Historic integrity reflecting its character at that time; or
> 2. owing to its unique location or singular physical characteristics, represents an established feature of the neighborhood, community or city; or
> 3. retaining the building, structure, Landscaping, or Natural Feature, would contribute to the preservation and protection of an Historic place or area of Historic interest in the City.

Regarding effects on federal and locally significant properties, Los Angeles Municipal Code states the following (Section 91.106.4.5, Permits for Historical and Cultural Buildings):

> The department shall not issue a permit to demolish, alter or remove a building or structure of historical, archaeological or architectural consequence if such building or structure has been officially designated, or has been determined by state or federal action to be eligible for designation, on the National Register of Historic Places, or has been included on the City of Los Angeles list of historic cultural monuments, without the department having first determined whether the demolition, alteration or removal may result in the loss of or serious damage to a significant historical or cultural asset. If the department determines that such loss or damage may occur, the applicant shall file an application and pay all fees for the California Environmental Quality Act Initial Study and Check List, as specified in Section 19.05 of the Los Angeles Municipal Code. If the Initial Study and Check List identifies the historical or cultural asset as significant, the permit shall not be issued without the department first finding that specific economic, social or other considerations make infeasible the preservation of the building or structure.

2 HISTORIC CONTEXT

2.1 Historical Overview of Los Angeles

Settlement in the Los Angeles area began in the 18th century. In 1781, a group of 11 Mexican families traveled from Mission San Gabriel Arcángel to establish a new pueblo called El Pueblo de la Reyna de Los Angeles (The Pueblo of the Queen of the Angels). This settlement consisted of a small group of adobe-brick houses and streets and would eventually be known as the Ciudad de Los Angeles (City of Angels), which incorporated on April 4, 1850, only 2 years after the Mexican–American War and 5 months prior to California achieving statehood. Settlement of the Los Angeles region continued in the early American Period. The County of Los Angeles was established on February 18, 1850, one of 27 counties established in the months prior to California acquiring official statehood in the United States. Many of the ranchos in the area now known as Los Angeles County remained intact after the United States took possession of California; however, a severe drought in the 1860s resulted in many of the ranchos being sold or otherwise acquired by Americans. Most of these ranchos were subdivided into agricultural parcels or towns. Nonetheless, ranching retained its importance, and by the late 1860s, Los Angeles was one of the top dairy production centers in the country. By 1876, Los Angeles County reportedly had a population of 30,000 persons (Dumke 1944; Caughy 1977; Dudek 2016).

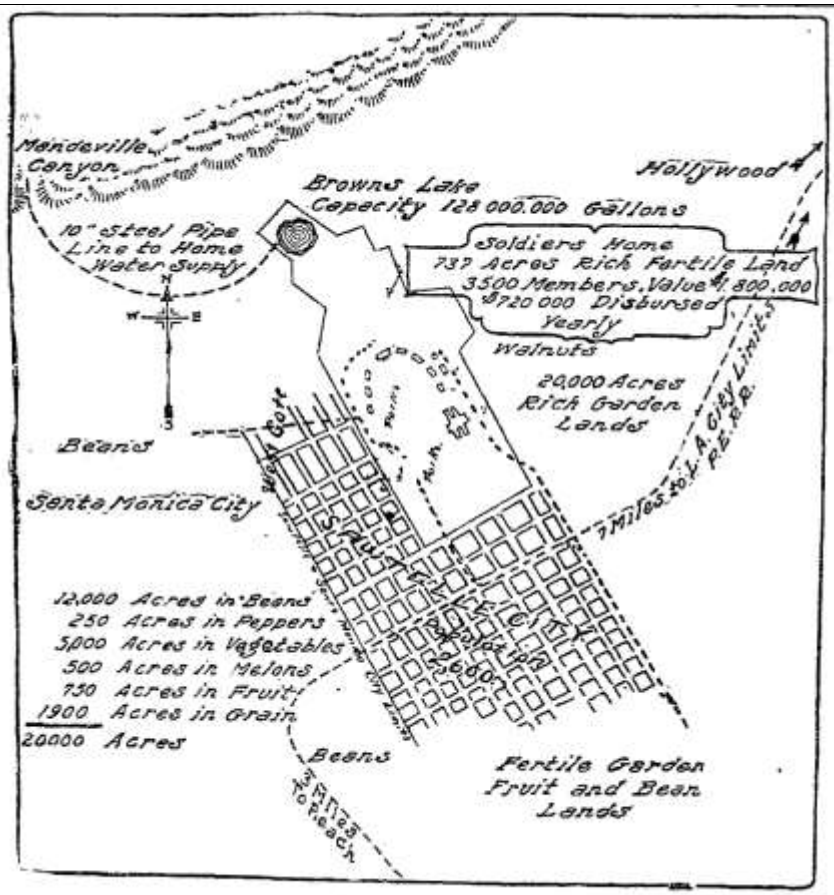
Los Angeles maintained its role as a regional business center, and the development of citriculture in the late 1800s and early 1900s further strengthened this status. These factors, combined with the expansion of port facilities and railroads throughout the region, contributed to the impact of the real estate boom of the 1880s on Los Angeles. By the late 1800s, government leaders recognized the need for water to sustain the growing population in the Los Angeles area. Irish immigrant William Mulholland personified the city's efforts for a stable water supply. By 1913, the City of Los Angeles had purchased large tracts of land in the Owens Valley, and Mr. Mulholland planned and completed the construction of the 240-mile aqueduct that brought the valley's water to the city (Dumke 1944; Caughey and Caughey 1977; Fogelson 1993; Nadeau 1997). Power utilities followed on the heels of water utilities. At the beginning of the 20th century, the Progressive movement provided reform that allowed water and power utilities to thrive and gain municipal ownership. The City of Los Angeles' population grew and subsequently demanded water and power in their homes and businesses. The first power plant at Alameda and Banning Streets, built in 1882, powered the city's first electric streetlights. Private power utilities provided power to individual customers as the century drew to a close, gaining more and more business (Fogelson 1993; Prosser 2017).

Los Angeles' population and urban boundaries continued to grow in the 20th century, in part due to the discovery of oil in the area and its strategic location as a wartime port. The county's mild climate and successful economy continued to draw new residents in the late 1900s, with much of the county transformed from ranches and farms into residential subdivisions surrounding commercial and industrial centers. Hollywood's development into the entertainment capital of the world and Southern California's

booming aerospace industry were key factors in the county's growth in the 20th century. The City of Los Angeles also incorporated many formerly independent, self-governing cities in the 20th century. These include Wilmington (consolidated 1909), San Pedro (1909), Hollywood (1910), Sawtelle (1918), Eagle Rock (1923), Hyde Park (1923), Venice (1925), Watts (1926), and Tujunga (1932) (Prosser 2016). Many of these independent cities saw incorporation as a way to gain access to the City of Los Angeles' existing power and water utilities without paying excessive prices (Fogelson 1993; Prosser 2016).

2.2 The Sawtelle Neighborhood and West Los Angeles

The Los Angeles Neighborhood of Sawtelle is located in the western portion of the City of Los Angeles. Beginning as land of the Rancho San Jose de Buenos Ayres, the Land and Water Company acquired the parcel that would become Sawtelle in 1896 and subdivided an area called the Artesian Tract of Barrett Villa. Barrett Villa was incorporated as the town of Sawtelle in 1899. By 1901, the town had a post office, 150 houses, and a trolley station meant to service the nearby Pacific Branch of the National Home for Disabled Veteran Soldiers. The Soldier's Home veterans were key to developing early Sawtelle, as the community originally consisted of veteran's families, Soldier's Home staff, and veterans living independently of the Home. Later, it served surrounding agricultural landowners and neighboring Santa Monica (Figure 4) (LAT 1899, 1900, 1901, 1911, 1978; NPS 2017; Prosser 2016).



Sawtelle and Its Feeders

Figure 4. Sawtelle in 1911 (LAT 1911)

By the turn of the 20th century, Sawtelle had a modest commercial core along Sawtelle and Santa Monica Boulevards, government and religious establishments, and residential areas, but no business except for the Soldier's Home took precedence over Sawtelle's agricultural businesses. As the town's population grew and urbanized, the interurban rail became a key factor in the survival of the agricultural industry by shipping staple crops such as potatoes, barley, strawberries, and lima beans. Canneries in Sawtelle, particularly lima bean canneries, produced crops in the 1910s until 1920. Sawtelle also contained plant nurseries, with larger nurseries spanning several acres. These nurseries provided employment for Japanese immigrants, and eventually led to the establishment of a large Japanese community and accompanying commercial district in Sawtelle (Sanborn 1907, 1912; Prosser 2016).

In 1917, Sawtelle citizens voted in favor of annexation by the City of Los Angeles. However, due to poor execution and legal challenges, the State Supreme Court at San Francisco ruled the annexation was illegal in 1921. Voters immediately applied for annexation again in 1922 and were successful in the second round.

Between annexation in 1922 and 1925, the total population of the Sawtelle neighborhood ballooned from 3,500 to 10,770 (Huang et. al. 2015; LAT 1917, 1919, 1921, 1922, 1978, 2016).

Sawtelle saw its fair share of residential neighborhood development between the 1928 and 1944 Sanborn Fire Insurance maps. Frame dwellings with shingle roofs are sparse but present in the neighborhoods bordering the subject property in 1928. More notable are the many greenhouses throughout the surrounding blocks. By 1944, the residential neighborhood north of Nebraska Avenue has been subdivided, and nearly all lots contain a single-story, framed dwelling with shingle roof (Sanborn 1928, 1944).

The Sawtelle neighborhood also saw an increase in industrial zones replacing former agricultural tracts and threatening the residential sector. Shipping of goods along railroad lines and increased access through streetcars in the early 20th century made industrial development profitable, particularly along the Southern Pacific Railroad line (now a Metro Line along Exposition Boulevard). By the 1950s, the Sawtelle neighborhood in West Los Angeles saw increased development, with many light industrial businesses established and operating in both industrial and commercial areas. No single industry dominated the industrial zones—West Los Angeles intermingled a variety of industries, including machine shops, garment factories, tool and die, furniture manufacturers, oil and petroleum manufacturers, warehouse, utilities, shipping and distribution centers, and building material manufacturers (ARG 2015; Prosser 2016).

In the latter half of the 20th century, the Sawtelle neighborhood became less distinguishable from its neighbors, sharing infrastructure, government buildings, and businesses that still characterize the area today. West Los Angeles City Hall (1961) and the West Los Angeles Civic Center (1965) further solidified the increasing influence of the City of Los Angeles. Other cultural groups established enclaves in the area, including the Jewish community, and Mexican–Americans community. Development of the West Los Angeles area grew to include Mid-Century Modern homes and commercial centers, Googie-themed automobile establishments, Corporate International-style high-rise office buildings, New Formalist hotels, Late Modern residential high-rise towers (including one designed by I.M. Pei and Welton Becket and Associates), high-tech (Structural Expressionism) commercial high-rise towers, Brutalist buildings, and entertainment industry studios that became typical building types throughout the Los Angeles region. The area known as Japantown, or Little Osaka, along Sawtelle Boulevard was formally recognized by the Los Angeles City Council in 2015 (Sapphos 2012; LAT 2015; Los Angeles City Council 2015).

2.3 LADWP and the Development of Municipal Power

Municipal power in Los Angeles came as a direct product of hydroelectric power created by the Los Angeles- Owens River Aqueduct, bringing water from Owens Valley to reservoirs in the San Fernando Valley at the beginning of the 20th century. Mr. Mullholland, engineer of the aqueduct and superintendent of the Los Angeles City Water Company, successfully alleviated drought conditions in Los Angeles and brought secondary water sources to the Los Angeles area by 1913. This act enabled the explosive population

and industrial growth of Los Angeles, which was previously limited by the amount of water available in the local Los Angeles River (LADWP 2002).

With the water came the promise of hydroelectric power, and at Mullholland's recommendation. Ezra F. Scattergood was hired as a consulting electrical engineer for the Los Angeles City Water Company. By 1908, Mr. Scattergood was supervising the construction of the city's first hydroelectric plant at San Francisquito Canyon. Los Angeles had electrical power and power plants since the late 19th century. The first power plant in the city was built by then-private company California Electric Light Company in 1882, with the Los Angeles Electric Company right on their heels in 1883. In 1896, West Side Lighting Company began serving the western side of Los Angeles (Sawtelle, Venice, and Santa Monica). In 1902, West Side Lighting Company merged with Los Angeles Edison Company (later Southern California Edison). In 1911, city bonds allowed the Bureau of Power and Light to become the first city-owned power utility, distributing power from the San Francisquito hydroelectric power plant. The Bureau of Power and Light, as well as the Bureau of Water Works and Supply, worked under the city's Department of Public Services and often held offices in the same location (LADWP 2002; Prosser 2017).

Between the 1920s and 1930s, most privately owned water and power utilities in Los Angeles were incorporated into the municipally owned system. Notably, the Bureau of Power and Light absorbed Southern California Edison-owned generating and delivery facilities and the Los Angeles Gas and Electric Company facilities at the end of the 1930s. As it bought out private competitors, the Bureau of Power and Light also expanded its systems, adding administrative buildings, transformer facilities, and distribution stations. In the 1920s, the architecture of these distribution stations took on Classical Revival and other historical revival architectural designs and in the 1930s to more modern Art Deco and Moderne styles. Use of these grandiose styles was intended to establish and make visible the presence of a benevolent government service, in keeping with Progressive attitudes and politics of the era. Notable architects used by the Bureau of Power and Light were Frederick Roehrig and S. Charles Lee (Figure 5). In 1937, the Bureau of Power and Light officially combined with the Bureau of Water Works and Supply to create the LADWP (Prosser 2017; LADWP 1990).

Figure 5. Monumental Art Deco-style municipal water and power building, Hollywood, designed by S. Charles Lee. September 1932. (LAPL Barcode 1001788)

The post-World War II (WWII) decade was characterized by LADWP power acquisition and neighborhood expansion. With the water and power utilities combined, the City of Los Angeles pursued far-reaching projects to bring water and hydroelectric power from the Colorado River and Owens Valley. Acquiring these properties took nearly 20 years to finance, build, and deliver to Los Angeles. Between 1940 and 1950, the Los Angeles population grew by over 400,000 people, meaning a substantial increase in demand for power. In 1945, the LADWP announced the launch of a 10-year building program, expanding service to underserved areas, particularly on the West Side and San Fernando Valley. Samuel B. Morris, then-general manager of LADWP cites the "demands of the constantly growing city" to initiate the project and hire between 2000 and 4000 workers (LAT 1945). Unlike previous building campaigns, LADWP relied on internal engineers and construction staff to design and build new facilities. They created modestly scaled structures that fit seamlessly into their neighborhoods, rather than rely on the benevolent-government architecture or the 1920s and 1930s (Figure 5). From 1945–1955, LADWP dedicated 22 distribution

stations, 5 receiving stations, 1 high voltage switching station, 3 power plants, and 2 hydroelectric plants (Figure 6). The first buildings at West Los Angeles District Office were built in this period, and it opened for service in 1954 (LAT 1945; LADWP 1978, 1990; Prosser 2017).

Figure 6. Receiving Station G, at 2625 Fletcher Drive, built 1954. November 24, 1969. Modestly scaled and landscaped like other LADWP buildings built between 1945-1955. (LAPL Barcode 1005626)

After the decade of growth promised by Morris, the construction of new facilities continues, adding more distribution stations, receiving stations, high voltage stations, power plants, hydroelectric plants, steam plants, solar, and thermal plants. LADWP also focused on acquiring property rights to existing facilities or private utilities that leased, rented, or sold power to LADWP. While this was occurring, the LADWP slowly began building and acquiring steam generation plants, to add to the existing group of hydroelectric plants far from Los Angeles. LADWP's first steam plant was at Seal Beach electricity station in 1928, but four new

steam powered generating stations were built between 1943 and 1961. LADWP continued in the 1950s and 1960s to build new dams (Pleasant Valley Dam), new hydroelectric facilities for the Owens Gorge Project and the Castaic Power Plant, and the Pacific Intertie, which sent electricity produced in Oregon to Los Angeles (LADWP 1990, 2002; Dudek 2017; Soifer 2017).

In 1965, the Department of Water and Power completed construction on the General Office Building (John Ferraro Building) in the Bunker Hill area of downtown Los Angeles. This notable project was designed by architecture firm A.C. Martin and Associates and is an impressive, 17 story, corporate internationalist style office building with subterranean parking lot, reflecting pool and fountains on its grounds. In 2012, the General Office Building was accepted by City Council as a Los Angeles HCM (Prosser 2017; LACMC 2012) (Figure 7).

Figure 7. Bird's eye view of the General Office Building (John Ferraro Building), designed by A.C. Martin and Associates. January 28, 1969. (LAPL Barcode 1006127)

2.4 LADWP West Los Angeles District Headquarters

Acquiring and Planning the Site

The LADWP acquired several parcels of land in the West Los Angeles/Sawtelle neighborhood in the 1940s. These lots had once belonged to Anthony Frabisilio and Michael Frabisilio, who kept agricultural fields and some outbuildings on the property, moving a barn from a property along West Pico Boulevard and erecting a new house on the lot. Since aerial photographs of the area only go back as far as 1947, Sanborn insurance maps do not picture the property, and there are no other permits on file at City of Los Angeles, it was not possible to reconstruct the property chronology or establish a pattern of ownership beyond the 1940s (Los Angeles Department of Buildings and Safety (LADBS) permits 1943LA03992, 1944WL70482; Ancestry 2017).

LADWP began acquiring land for a Distribution Station at 11700 Nebraska Avenue, several blocks away from the subject property. Distribution Station 28 was completed in 1947 and was an imposing Art Moderne-style structure. Distribution stations are used to transfer power from the transmission system to a specific service area. Distribution Station 28 served the industrial and residential areas in West Long Angeles, where locally owned and distributed city utilities were in high demand. Before the West Los Angeles District Office was built, Distribution Station 28 acted as the West Los Angeles headquarters (LADWP 1954).

Figure 8. Bird's eye view of the Olympic Drive-In Theater with the Department of Water and Power headquarters highlighted, and the Receiving Station K and transformer yard to the left. Note that Building 5 had not yet been built. Photographer: Howard D. Kelly. January 15, 1962. (LAPL 00103040)

In 1953, LADWP acquired the property at 12300 West Nebraska Avenue, the subject property. Prior to its acquisition, the lot held an agricultural field, adjacent to many other fields around it. A drive-in movie theater named the Olympic Drive-in Theater was located east of the property. West of the property was a residential neighborhood (Figure 8). The site's original plan included five buildings that faced each other along a corridor of vehicle parking. The first two buildings built on the lot were a locker room for employees and a warehouse completed in 1953 (Figure 9). In 1954, Department of Water and Power began construction on Receiving Station K at 1840 Centinela Avenue (located south of the project site) and its transformer yard. These were adjacent to the subject property and likely planned, built, and opened at the same time. Receiving Station K went into service in 1955 (Figure 10) (Permit 1954LA02220). In 1956, a third structure was constructed on the site, this time a fleet shop for vehicle storage. In 1959, the main

office building was finished. In 1966, a fifth building, then characterized as a tool room, was added. According to each building permit, all buildings were designed and built by engineers and journeymen already employed by the LADWP (LADWP 1954; NETR 2017).

Figure 9. View to Building 1 (Locker Room) construction progress. July 23, 1953. (LADWP Record Center, Box WP24-24, File 13, Title "Underground Headquarters & Overhead Districts, 1953–1954 (Book 118)", Photo Number 34585

Figure 10. Receiving Station K at 1840 Centinela Avenue, built 1954, energized 1955. No date. (LAPL Barcode 1005633)

The Engineers

Though the engineers listed on the Department of Water and Power permits were employees, they were responsible for several buildings on site. Very little career information could be found for the engineers. Because they were not contracted, there is no engineering or architecture firm associated with their work. No architects, licensed or not, were associated with the five buildings at the West Los Angeles District Headquarters. The following four LADWP engineers are responsible for the design of the buildings at the West Los Angeles District Headquarters.

- J.S. Dorfman, CA License 6948, Locker Room (Building 1) and Warehouse (Building 2), 1953

- J. Case, CA License 5249, Fleet Shop (Building 3), 1956
- R.L. White, MA License, 4-4211, Office Building (Building 4), 1959
- James H. Anthony, CE 15318, Break Room (Building 5), 1966

The Original Planned Buildings

Based on review of the permit drawings provided by the LADBS and archival research, the following detailed information was found about the original period of construction. The 1966 Building No. 5 permit map (Figure 11) shows the layout of the site at the close of the original period of construction. Archival research and permits provided by the City of Los Angeles indicate that the original 1953 construction period included two buildings within the project site (Buildings 1 and 2). This construction period also included development of the adjacent site at Receiving Station K and the transformer yard at 1840 Centinela Avenue. Construction details for the original Department of Water and Power Headquarters buildings are provided below.

Building 1

Building 1 fronts West Nebraska Avenue and is situated at the west corner of the parcel. According to the original City of Los Angeles Building Permit, the building was a one-story concrete block building, originally measuring 50 feet by 56 feet with concrete foundation and a composition roof. The permit shows that Building 1 was intended to function as a locker room for Department of Water and Power employees as well as a washroom and office (LADBS Permit 1953LA53732).

Building 2

Building 2 is located immediately southeast of Building 1 and against the dividing southwest property line separating the headquarters yard from the transformer yard for 1840 Centinela Avenue. According to the original City of Los Angeles Building Permit, the building was a one-story concrete block building, originally measuring 171 feet by 51 feet with concrete foundation and a composition roof. The one-story warehouse reaches a height of 21 feet from ground level and features a bowstring truss on the interior. The permit shows that Building 2 was intended to warehouse electrical supplies and hazardous materials (LADBS Permit 1953LA64593).

Building 3

Building 3 is located southeast of and in line with Buildings 1 and 2 and against the dividing southwest property line separating the headquarters yard from the transformer yard for 1840 Centinela Avenue. According to the original City of Los Angeles Building Permit, the building was a one-story steel-framed shed clad in metal sheets with a concrete foundation, originally measuring 310 feet by 40 feet. The permit shows that Building 3 was intended as a truck shed (LADBS Permit 1956WL18771).

Building 4

Building 4 is located northeast of Building 1, across a parking area and entry road, and fronts west Nebraska Avenue. According to the original City of Los Angeles Building Permit, the building was a two-story concrete block building, originally measuring 40 feet by 48 feet with concrete foundation and a composition roof. The permit shows that Building 4 was intended to replace the office in Building 1 and operate thereafter as the official office (LADBS Permit 1959LA47000).

Building 5

Building 5 is located southeast of Building 4 and across a parking area and entry road from Building 2. According to the original City of Los Angeles Building Permit, the building was a two-story concrete block building, originally measuring 40 feet by 72 feet with a concrete foundation and a composition roof. The permit shows that Building 5 was intended as another warehouse and tool room. Today it is used as a break room and employee classroom (LADBS Permit 1966LA33644).

Figure 11 shows the original Buildings 1, 2, 3, and 4 as they stood in 1966, preparing for the construction of Building 5. Figure 12 shows the site according to a scaled site plan published in 1984.

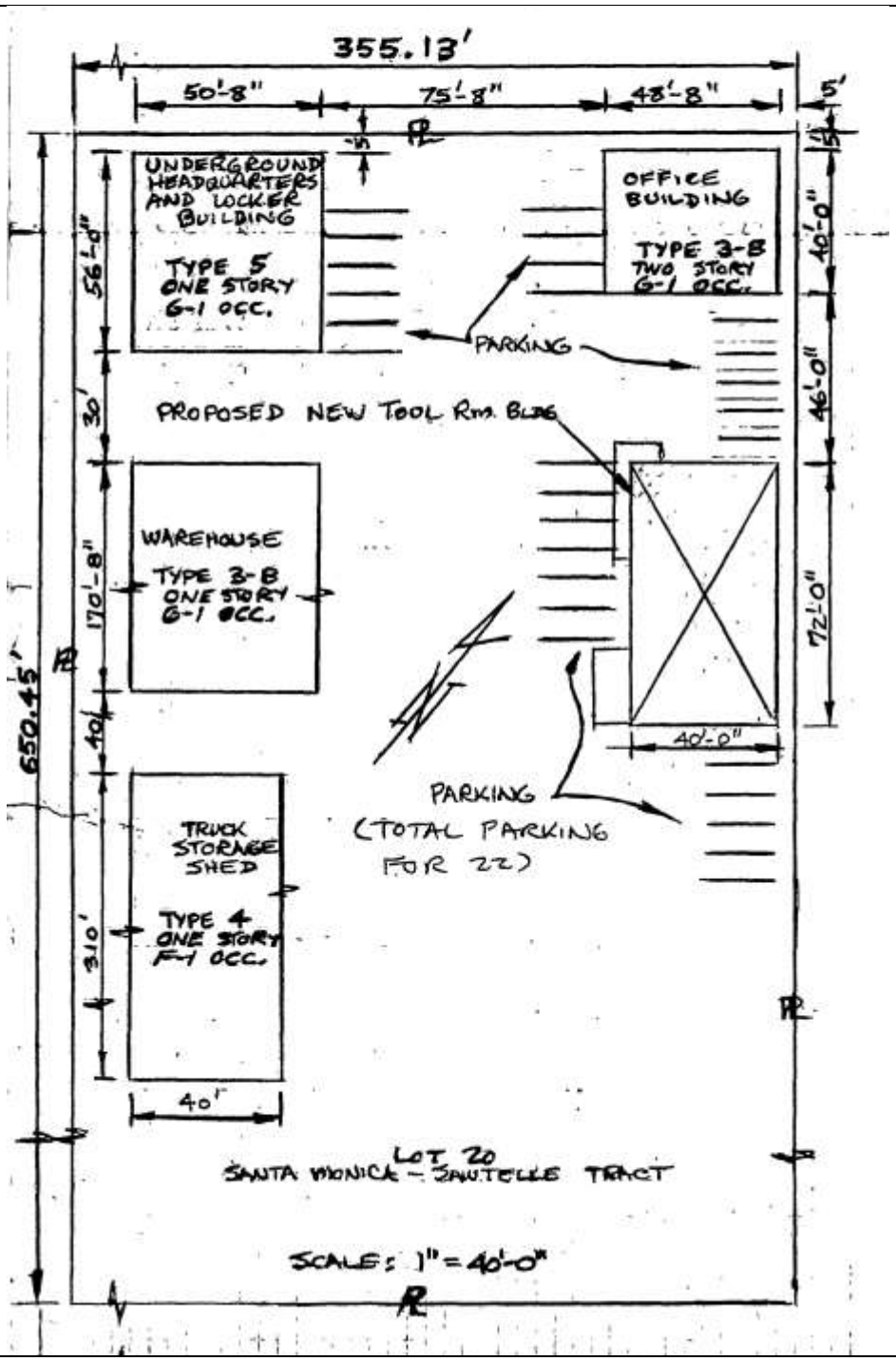


Figure 11. Plan map for subject property, 1966. (LADBS permit 1966LA33644)

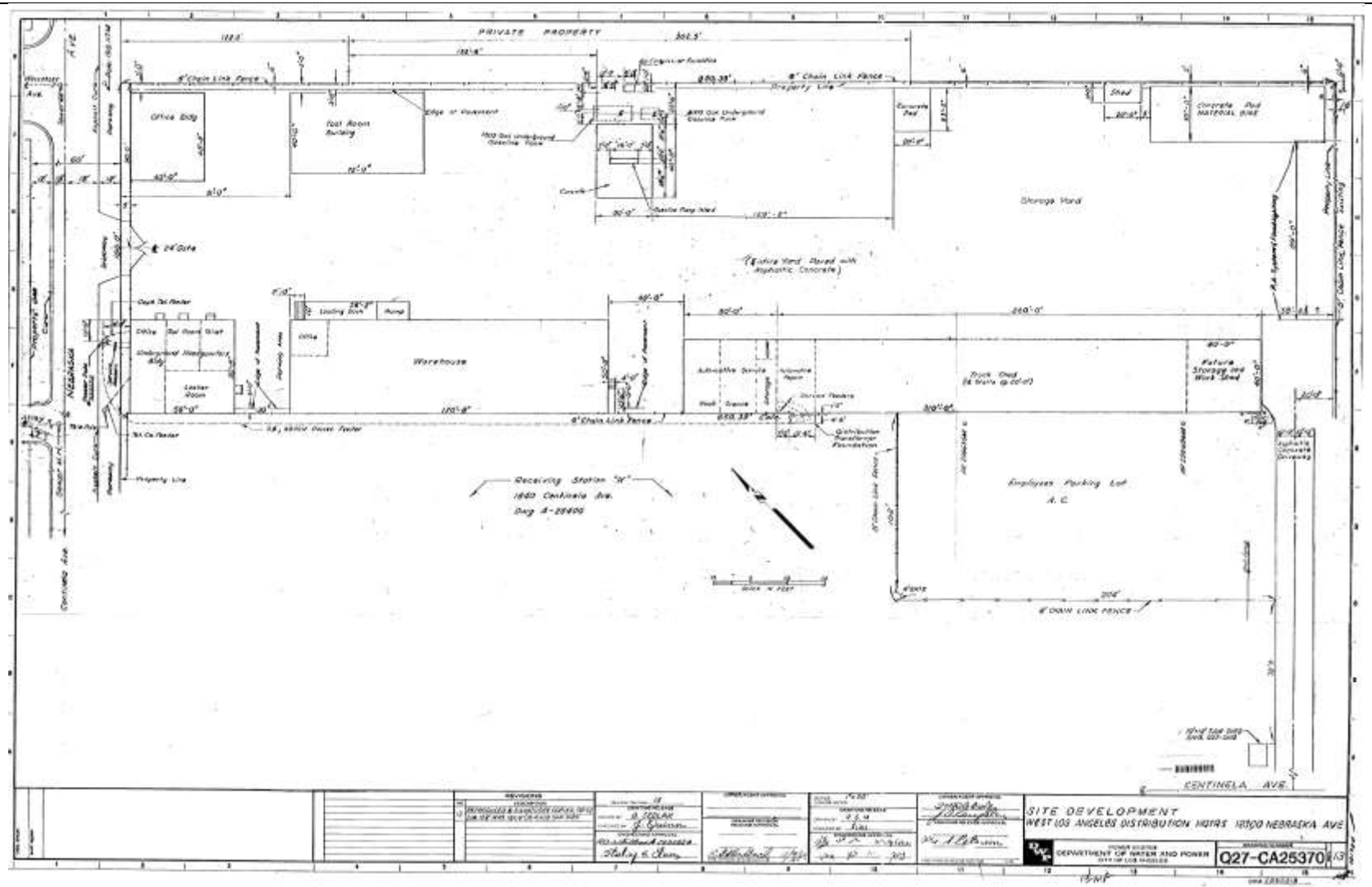


Figure 12. Scaled plan map for subject property, 1984. Drawn by O. Sedlak, LADWP drafting office (LADWP Drawing No. Q27-CA25370)

Buildings No Longer Extant

Cement Storage

The Cement Storage building was located southeast of Building 5 and northeast east of Building 3, at the east most corner of the lot. The original building permit describes it as a one-story building with metal walls, metal roof, and a concrete slab floor; it originally measured 12 feet by 20 feet. This building was constructed in 1968. It was moved or demolished between 2006 and 2011 (LADBS Permit 1968LA78376; NETR 2017).

Saw Shed

The saw shed was located along the road extending south from the southernmost corner of the parcel, south of Building 3 and east of the transformer yard at 1840 Centinela Avenue. The original building permit describes the saw shed as a one-story building with concrete block walls, a wood roof, and concrete slab floor; it originally measured 12 feet by 10 feet. This building was constructed in 1984. It was moved between 2006 and 2011 to its current location, further southwest. (LADBS Permit 1984LA80157).

Modern Development at the City Yards (1972–Present)

Construction of new buildings and modifications to existing buildings within the subject property continued throughout the remaining decades of the 20th century and to the present. The aerial photographs show that there were numerous portable structures and parking areas also created in the last 45 years to support the storage needs of the Department of Water and Power. One of the most significant areas for parking and staging appears in the 2012 aerial photograph when the Department of Water and Power acquires the lot to the northeast, demolishes all buildings and expands storage and staff parking into the lot. In addition to the temporary buildings and the parking areas, there were numerous permanent buildings and structures constructed on the site during this period of development (LADBS permits; NETR 2017). The following provides a list of City Yards buildings and structures that were constructed less than 45 years ago:

- Fence wall and mechanical gate, 2000 (LADBS Permit 00020-10000-00533)
- Gasoline and diesel tank foundations, 1995 (LADBS Permit 1995LA35484)
- Guard/Entrance Building, circa 1995 (NETR 2017, no permit available)
- Prefabricated trailer building, circa 1995 (NETR 2017, no permit available)
- Oil Storage Shed, 1992 (LADBS Permit 1992WL02099)
- Oil Storage Shed, 1992 (LADBS Permit 1992WL02100)
- Concrete Material Bins, 1982 (LADBS Permit 1982WL54417)
- Movable crane, Mi-Jack Travelift model, circa 1976 (NETR 2017)
- Temporary perimeter storage shelving, circa 1976 (NETR 2017)

Architectural Style of the Project Area

Mid-Century Modern (1933–1965)

Mid-Century Modern style is reflective of International and Bauhaus styles popular in Europe in the early 20th century. This style and its living designers (e.g., Mies Van der Rohe and Gropius) were disrupted by WWII and moved to the United States. During WWII, the United States established itself as a burgeoning manufacturing and industrial leader, with incredible demand for modern buildings to reflect modern products in the mid-20th century. As a result, many industrial buildings are often "decorated boxes"—plain buildings with applied ornament to suit the era and appear more modern without detracting from the importance of the activity *inside* the building. Following WWII, the United States had a focus on forward thinking, which sparked architectural movements like Mid-Century Modern. Practitioners of the style were focused on the most cutting-edge materials and techniques. Architects throughout Southern California implemented the design aesthetics made famous by early Modernists like Richard Neutra and Frank Lloyd Wright, who created a variety of modern architectural forms throughout Southern California. Like other buildings of this era, Mid-Century Modern buildings had to be quickly assembled, and use modern materials that could be mass-produced (McAlester 2014; Morgan 2004).

Key characteristics of the Mid-Century Modern style of architecture are the following (McAlester 2014; Morgan 2004; Gebhard and Winter 2003):

- Low, boxy, horizontal proportions
- Mass-produced materials
- Flat, smooth sheathing
- Flat roofed without coping at roof line; flat roofs hidden behind parapets
- Lack of exterior decoration or abstract geometrical motif
- Simple windows (metal or wood)
- Industrially plain doors
- Large window groupings
- Commonly asymmetrical
- Whites, buffs and pale pastel colors

3 BACKGROUND RESEARCH

3.1 California Historical Resources Information Systems Records Search

Dudek requested a CHRIS records search from the South Central Coastal Information Center (SCCIC), which houses cultural resources records for Los Angeles County. Dudek received the results on September 14, 2017. The CHRIS search included any previously recorded cultural resources and investigations within a 0.5-mile radius of the project site. Additional consulted sources included historical maps of the project area; the NRHP; the CRHR; the California Historic Property Data File; and the lists of California State Historical Landmarks, California Points of Historical Interest, and the Archaeological Determinations of Eligibility. Confidential Appendix A provides the confidential results of the records search and a bibliography of prior cultural resources studies.

Previous Technical Studies

Results of the CHRIS search indicate that 15 previously conducted studies were identified within the 0.5-mile records search radius between 1977 and 2013. Of these studies, one overlaps the current project area: LA-12500 (Table 1). The following paragraph provides a brief summary of the study.

Report No. LA-12500

Final Archaeological Resources Monitoring Report for the Los Angeles Department of Water and Power Scattergood–Olympic Transmission Line Project, Vault Investigations, Los Angeles County, California (Vader 2013), documents the results of archaeological monitoring conducted during the installation of 11.4 miles of underground transmission line located in the western portion of the City of Los Angeles. The study's northernmost terminus originated within the southeastern portion of the project area. Archaeological monitoring was conducted during potholing investigations to identify areas of cultural sensitivity along the alignment. No cultural resources were identified in the direct project area as a result of the study. Cultural material was recovered at the southern end of the alignment where the proposed right-of-way (ROW) traversed the coast.

Table 1. Previously Conducted Cultural Resources Studies Within 0.5 Miles of Project Area

SCCIC Report No.	Title of Study	Date	Author(s)	In Project Area?
LA-03729	Historic Property Survey Bundy Drive–North of Wilshire Boulevard to South of La Grange Avenue	1977	Department of Public Works	No
LA-05031	Cultural Resource Assessment for Pacific Bell Wireless Facility LA 910-01, County of Los Angeles, California	2000	Lapin, Philippe	No
LA-05036	Cultural Resource Assessment for AT&T Wireless Facility Number R328, County of Los Angeles, California	2000	Lapin, Philippe	No
LA-05732	1517 Franklin Street Housing Project, Santa Monica	2002	Maki, Mary K.	No

Table 1. Previously Conducted Cultural Resources Studies Within 0.5 Miles of Project Area

SCCIC Report No.	Title of Study	Date	Author(s)	In Project Area?
LA-06498	Highway Project Involving Upgrading of Intersection within the City of Santa Monica Located Between San Vicente Boulevard (north); Ocean Park (south); 9th Street (west); and 30th Street (east)	2002	McKenna, Jeanette A.	No
LA-06505	Highway Project of Replacing the Existing Overhead Reflective Sign Panels In-kind with Retro-reflective Panels	2000	Smith, Philomene C.	No
LA-07119	Cultural Resource Assessment for Cingular Wireless Facility SM171-01, City of Los Angeles, California	2002	Kyle, Carolyn E.	No
LA-09414	2320 34th Street Renovation Project, City of Santa Monica	2008	Maki, Mary K.	No
LA-09453	Exposition Corridor Transit Project Phase 2 Archaeological Survey Report	2009	Ehringer, Candice and Monica Strauss	No
LA-11114	Archaeological Investigation, Partial Inventory Secondary Sewer Renewal Program Bundy and San Vicente Project	2011	Foster, John M.	No
LA-11184	Exposition Corridor Project Phase 2 (FTA 070320A), Request for Concurrence–Detailed Reconnaissance Survey	2008	Born, Monica	No
LA-11305	Historical Resources Evaluation Report for the Exposition Corridor Transit Project Phase 2, Los Angeles County, California	2009	Meiser, M.K.	No
LA-11793	Addendum to the Historical Resources Evaluation Report and Archeological Survey Report for Project Changes and Design Options the Exposition Corridor Transit Project Phase 2, Los Angeles County, California	2009	Meiser, M.K.	No
LA-12500	Final Archaeological Resources Monitoring Report for the LADWP Scattergood-Olympic Transmission Line Project, Vault Investigations, Los Angeles County, California	2013	Vader, Michael	Yes
LA-12796	Cultural Resources Assessment Mountain View Mobile Home Park, Santa Monica, Los Angeles County, California	2010	Brunzell, David	No

Previously Recorded Cultural Resources

No previously recorded cultural resources were identified within the project area as a result of the SCCIC records search. Nine previously recorded resources were identified within a 0.5-mile-radius of the project area (Table 2). All of the previously recorded resources are south of the project site and clustered along

resource P-19-003803, the historic Southern Pacific Railroad right-of-way, which at its closest point, is located approximately 0.1 miles from the project area.

All of the previously recorded resources are historic period with the exception of a prehistoric handstone identified as the prehistoric component of P-19-004669, located approximately 0.1 miles from the project area. Two of the resources are historic period archaeological deposits: P-19-004668 and P-19-004669. The mean date of occupation at these sites ranges from the early to mid-20th century to the 1960s.

There are also seven previously recorded built environment resources within the 0.5-mile radius of the project area, including the previously mentioned Southern Pacific Railroad segment (P-19-003803), two single-family properties from the early 1900s (P-19-189757 and P-19-189768), two industrial properties (P-19-189767 and P-19-190027), and the Mountain View Mobile Home Park (P-19-190932). There are an additional 35 unmapped built environment resources within 0.5 miles of the project site listed in the Office of Historic Properties Directory.

Table 2. Previously Recorded Cultural Resources Within 0.5 Miles of the Project Area

Primary No.	Trinomial	Age	Resource Name/Description	Resource Type	Date (Recorder: Firm)
P-19-003803	CA-LAN-003803H	Historic	Six-mile segment of the historic Southern Pacific Railroad/Santa Monica Air Line right-of-way	Structure	2008 (Strauss, Monica et al.: EDAW)
P-19-004668	CA-LAN-004668H	Historic	Historic deposit consisting primarily of glass and metal cosmetic-related containers dating from the 1940s to the 1960s. Historic research indicates that five cosmetic companies occupied the property until the early 1960s.	Site	2012 (Mort, Janell Mort: Cogstone)
P-19-004669	CA-LAN-004669H	Prehistoric, Historic	The historic component of the site consists of brick-lined well and a large diffuse refuse scatter with artifacts dating from the 1910s to the 1960s. Many of the artifacts suggest refuse from an Asian restaurant from the mid-20th century. A prehistoric bifacial handstone was also recovered at the site.	Site	2014 (Knight, Al: Cogstone)
P-19-189757	—	Historic	2200 Wellesley Avenue is a single-family property constructed in 1925. The property is not eligible for NRHP, CRHR, or Local designation.	Building	2008 (Meiser, M.K.: EDAW)

Table 2. Previously Recorded Cultural Resources Within 0.5 Miles of the Project Area

Primary No.	Trinomial	Age	Resource Name/Description	Resource Type	Date (Recorder: Firm)
P-19-189767	—	Historic	12414 Exposition Boulevard is an industrial warehouse building constructed in 1927. The property is not eligible for NRHP, CRHR, or Local designation.	Building	2008 (Meiser, M.K.: EDAW)
P-19-189768	—	Historic	11928 Exposition Boulevard is a single-family property constructed in 1939. The property is not eligible for NRHP, CRHR, or Local designation.	Building	2008 (Meiser, M.K.: EDAW)
P-19-190027	—	Historic	3401 Exposition Boulevard is an industrial warehouse and office building constructed in 1961. The property is not eligible for NRHP, CRHR, or Local designation.	Building	2009 (Meiser, M.K.: EDAW)
P-19-190932	—	Historic	Mountain View Mobile Home Park/Mountain View Trailer Inn was constructed in 1948. The property is not eligible for NRHP, CRHR, or Local designation.	Building	2010 (Brunzell, David: BCR Consultants)

3.2 NAHC and Native American Correspondence

Dudek contacted the NAHC on September 1, 2017, to request a search of its Sacred Lands File (SLF) for the proposed project site and surrounding area. The NAHC responded on September 7, 2017, indicating that the search did not identify any Native American resources in the vicinity of the project site but that the surrounding area is sensitive for cultural resources. Because the SLF search does not include an exhaustive list of Native American cultural resources, the NAHC suggested contacting Native American individuals and/or tribal organizations who may have direct knowledge of cultural resources in or near the project. The NAHC provided the contact information of the five persons and entities to contact along with the SLF search results.

Dudek prepared and sent letters to each of the individuals on the contact list requesting information about cultural sites and resources in or near the project site. These letters, mailed on September 11, 2017, provided a brief description of the proposed project, a summary of the SLF search results, and reference maps. Recipients were asked to reply within 15 days of receipt of the letter should they have any knowledge of cultural resources in the area.

Dudek has received one response to date. On October 11, 2017, Andrew Salas of the Gabrieleno Band of Mission Indians – Kizh Nation emailed the following comment/request: "The project location is within our

Ancestral territory which may have potential for discoveries of our cultural resources. Therefore, we would like to request that one of our Native Monitors be present during any and all ground disturbances."

The complete Record of Dudek's Coordination with NAHC and Tribes (located in Appendix B, Tribal Outreach).

3.3 Building Development Research

Extensive archival research was conducted in support of the historical significance evaluation of the West Los Angeles Department of Water and Power Yards. Short descriptions of all research efforts are provided as follows.

Los Angeles Public Library

Dudek staff reviewed a number of online resources available through the Los Angeles Public Library. These tools include accessing online Sanborn Maps, online LADWP photo collections, online historical photograph collections, and online historical newspaper collections, which were all used in the preparation of the historic context (Section 2).

LADWP Photograph Collection

Dudek contacted Angela Tatum, archivist for the Department of Water and Power Photograph Collection, hosted online by the Los Angeles Public Library on October 23, 2017. Ms. Tatum forwarded Dudek's research request to Paul Soifer, PhD, the Consulting Historian for the Department of Water and Power. On November 1, 2017, Ms. Tatum procured copies of official LADWP line drawings and site plans.

LADWP Records Center

Dudek visited the Department of Water and Power Records Center in person on November 1, 2017, and met with Dr. Soifer. Dr. Soifer procured pages from LADWP internal publications pertaining to the utility's history in the 1950s, 1960s, and 1970s that were used in the preparation of the historical context (Section 2). The collection included photographs, department directories, annual reports, independent survey notes, and articles from the employee magazine *Intake*, which were all used in the preparation of the historic context (Section 2). Select photographs are included in Appendix C

Los Angeles City Historical Society

Dudek contacted the Los Angeles City Historical Society (LACHS) via email and inquired about the subject properties on October 24, 2017. LACHS responded that they did not locate any information related to the subject properties, but recommended a request be made to the Los Angeles City Archivist Michael Holland.

Los Angeles City Archives

Dudek visited the Los Angeles City Archives on November 1, 2017, after contacting the City Archivist Mr. Holland (at the suggestion of LACHS) on October 24, 2017, and again on October 27, 2017. Mr. Holland

procured requested items from the LADWP collection, including internally published histories, articles from employee magazine *Intake,* and reports of the Los Angeles City Engineer on Water and Power properties, which were used in the preparation of the historic context (Section 2).

Los Angeles Department of Building and Safety

Dudek used the Los Angeles Department of Building and Safety online building records search on October 9, 2017, to obtain building permits and establish a building chronology and alteration chronology that were used in the preparation of the historical context (Section 2), field survey (Section 4), and significance evaluations (Section 5).

Aerial Photograph and Historic Map Review

Sanborn Fire Insurance Company maps for the City of West Los Angeles were prepared in 1944. Sanborn maps for the City of Sawtelle were also prepared for the following years: 1905, 1907, 1912, 1921, 1924, and 1928. The Sanborn maps reviewed did not include the project area, which is likely due to later development in this area. Historic aerial photographs for the project area were available for the following years: 1947, 1952, 1964, 1967, 1972, 1980, 1989, 1994, 2002, 2003, 2004, 2005, 2006, 2009, 2010, 2011, 2012, and 2014 (NETR 2017; CSM 2017). The 1947 aerial photograph shows the project area prior to development. In 1947, the property appears to be undeveloped land or an agricultural field, surrounded by other undeveloped lots, and bounded to the northwest by a residential neighborhood, and the Olympic Drive-In movie theater is visible southeast of the site. The 1952 aerial photograph also shows the site prior to development; however, the 12270-72 lot immediately northeast was being used as a light industrial area and contained three structures. Residential areas still surround the site to the northwest and southwest.

The first historic aerial photograph in which the LADWP West Los Angeles District Headquarters appears is the 1964 aerial photograph. This aerial has four buildings visible in their current locations: the locker room, warehouse/tool room, warehouse/fleet shop, and district office. Immediately southwest is the LADWP transformer yard. The 12270-72 lot immediately northeast gains one new building and a designated parking lot. In the 1967 aerial photograph, the break room (then recorded as another tool room) appears southeast of the district office and north of the warehouse/tool room.

There are few notable additions to the site after the 1967 aerial photograph. Various small storage structures appear on the 1972 aerial photograph, including four storage structures in the southeast locus of the site and small structures between the five other buildings. Between the 1972 and 1980 aerial photographs, the crane feature northeast of the warehouse/fleet shop appears. Between the 1980 aerial photograph and the 1989 aerial photograph, all buildings in the 12270-72 lot are demolished. This is supported by demolition permits recorded at the Los Angeles Building and Safety online database. One new building does appear on the 12270-72 lot in the 1994 aerial photograph, but there are no discernable changes to the 12300 lot or transformer yard. The building on the 12270-72 lot is demolished sometime after 2014 (the most recent available aerial photograph for the area); the building was not present during the site visit (NETR 2017; CSM 2017).

4 FIELD SURVEY

Dudek Architectural Historians Ms. Corder, MFA, and Ms. Kaiser, MSHP, conducted a pedestrian survey of the project site on October 11, 2017. The project site includes two tax lots with five LADWP buildings, outdoor storage, and parking, which are adjacent to an LADWP electrical substation located in a mixed-residential neighborhood and light industry area. All buildings were photographed, researched, and evaluated in consideration of NRHP, CRHR, and local designation criteria and integrity requirements and in consideration of potential impacts to historical resources under CEQA. The survey entailed walking all sides of the buildings and the surrounding site.

Dudek documented the subject property using field notes, digital photography, and close-scale field maps. Photographs of the project area were taken with a Canon Power Shot ELPH180 digital camera with 20 megapixels and 8x optical zoom. All field notes, photographs, and records related to the current study are on file at Dudek's Pasadena, California office.

4.1 Description of Surveyed Resources

The project site is located at 12300 Nebraska Avenue on Assessor's Identification Number 4259018902. The property contains five LADWP buildings that were constructed more than 50 years ago between 1953 and 1966. Figure 13 numbers each building on the site. These buildings numbers are referenced in the discussion of individual buildings that follows.

Building 1, Locker Room, 1953

The subject property is a Mid-Century Modern building constructed in 1953, facing northeast towards a central, paved corridor road that runs the length of the tax lot (Figure 14). The one-story building is currently used as a restroom, shower, locker room, and exercise area for employees. The building features a flat roof hidden by a parapet wall topped with a rounded coping; however, the roof structure was not visible. The walls are constructed of painted concrete masonry units arranged in running bond, with a decorative stringer course and water table course that protrude from the wall surface of the building a few inches, and rounded concrete masonry units at the building corners, window openings, and door openings. The walls meet the surrounding pavement without any special decorative or visually distinguished foundation element. Reading from left to right, there are three doors are regularly spaced along the main (northeast) elevation and metal two-panel doors, with the upper panel split into a 2-lite, fixed window with frosted glass divided by a metal muntin, within a metal frame. The southeast-most door has two shallow steps leading to the entry, the middle door has a concrete stoop accessed by a steep ramp extending straight to the northeast for three feet, and the northwest-most door has an Americans with Disabilities Act (ADA)-compliant 6-foot-long ramp with a metal railing running perpendicular to the building entry. Along the main elevation, the fenestration is regular, with four 12-lite windows alternating with the three doors (i.e., ABABABA). Each 12-lite window has the middle two rows (six lites) forming an awning window with a row of three fixed

lites above and below. The window panes contain a variety of different types: frosted, stippled, pebbled, wired, and textured privacy glass. Individual panes appear to have been replaced as needed.

The northwest elevation, facing onto West Nebraska Avenue, features the concrete masonry unit in running bond wall construction and decorative rounded edges of the northeast and southeast elevations. It has four, evenly spaced 12-lite windows arranged three wide by four high, with the middle six lites forming an awning window. The three lites below and above the awning are fixed.

The southwest elevation was not readily visible due to access restrictions and vegetation. However, the elevation appears to have regular fenestration consisting of a single multi-pane window and two pairs of two multi-paned windows separated by mullions.

On the southeast elevation, the building features the concrete masonry units in running bond wall construction and decorative rounded edges. From left to right the elevation features a modern, metal fire door with a blue fabric awning over it. To the right of this are two 12-lite windows of which the middle two rows (six lites) form an awning window with a row of three fixed lites above. Leading to the fire door is an ADA-compliant ramp (approximately 10 feet long) and railing. Two more 6-lite awning windows are present to the right (west) of the doors and 12-lite windows (i.e., ABACC). Further right, nearest the west building corner, is a metal gutter and modern floodlight.

SOURCE: Bing Maps (Accessed 2017)

DUDEK

0 75 150 Feet

FIGURE 13

Properties Evaluated

LADWP West LA Yards

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Figure 14. View of the northeast (main) and southeast elevations, looking west. 10/11/2017 (IMG 4050)

Building 1 was constructed in 1953 based on the LADBS Permit filed in that year. According to the original building permit, the building was constructed as a 56 × 50 × 13-foot one-story, concrete block building with a composition roof. The original use for the building listed on the permit was as a locker and washroom building with four rooms (LADBS No. 1953LA53732). A permit was found for one set of alterations in 1967 that included the addition of new plumbing facilities and the removal and addition of one wall (LADBS No. 1967LA45064). Observed alterations to the building include panes in some of the windows and ADA-compliant ramps for the building.

A review of historic maps and aerial photographs was conducted as part of the archival research effort for this property. The 1944 Sanborn map does not show a building located on the parcel, which is consistent with a 1953 date of construction provided by the building permit. The following historic aerial photographs were reviewed for the property: 1947, 1952, 1964, 1967, 1972, 1980, 1989, 1994, 2002, 2003, 2004, 2005,

2006, 2009, 2010, 2011, 2012, and 2014 (NETR 2017; CSM 2017). The 1964 aerial photograph shows the building as a one-story building with a rectangular plan. The building appears to retain the scale and massing of the original plan, as shown in the 1964 aerial photograph and all subsequent aerial photographs (NETR 2017; CSM 2017).

Building 2, Warehouse – Tool Room, 1953

The subject property is a Mid-Century Modern building constructed in 1953, facing northeast towards a central, paved corridor road that runs the length of the tax lot (Figure 15). The one-story building is currently used as a warehouse for electrical equipment, employee personal protective equipment, and tools. The building features a shallow arched roof with seven wood-and-steel I-beam bowstring trusses supporting diagonally laid wood board sheathing beneath composite roofing material. According to LADWP archival photographs, the roof was sealed with Pioneer C-13-C4 Asphalt emulsion (Appendix C). The walls are painted concrete masonry units laid in running bond and extend above the roof to form a tall parapet wall. At the base of the wall is a smooth, concrete course roughly 3 feet in height that is flush with the rest of the concrete masonry units wall. The warehouse has loading bays, doors, and windows on all its elevations.

The main (northeast) elevation features irregular fenestration with the opening sites above grade to facilitate truck access. Fenestration, from left to right, consists of three loading bay doors; a metal single-leaf entrance door with a blue awning overhead and a loading bay door, both accessed via an elevated concrete stoop reached by short flights of open concrete steps at either end; a single loading bay door; and a metal single-leaf entrance door, a loading bay door, a metal half-lite door with frosted glass divided by a horizontal metal muntin, and a pair of 12-lite metal-framed windows separated by a metal mullion. A tall concrete platform (roughly 25 × 8 feet), with a shallow ramp to the southeast by a shallow ramp and a short flight of integral concrete steps to the northwest, grants access to the three doors on the northwestern end. Each 12-lite window is two lites wide by six lites high. The second and third rows from the top operate as a 4-lite awning window. The bottom is a 2-lite row. The first, fourth, and fifth 2-lite rows are fixed. Miscellaneous modern flood lights, loud speakers, and lamps are affixed to the building at roof height.

The northwest elevation has one pair of 12-lite metal-framed windows separated by a metal mullion. The 12-lite windows are each two lites wide by six lites high. For the northeastern 12-lite window, the second and third rows from the top operate as a 4-lite hopper window, as does the bottom 2-lite row. The first, fourth, and fifth 2-lite rows are fixed. The southwestern 12-lite window is similar but was modified at some point to accommodate a window air conditioning (AC) unit in the bottom four lites. There is also a large metal awning to the right (west) of this window that currently serves as covered parking for employee-owned motorcycles. An in-wall gutter is visible along this elevation from the smooth concrete water table a few inches above ground height. Similar gutters are likely on the other elevations but are visually obstructed.

Fenestration on the southwest elevation is regular, with eight equally spaced pairs of 12-lite windows separated by metal mullions. Each window correlates to a bay between the bowstring trusses. The visible 12-lite windows are each two lites wide by six lites high. The second and third rows from the top operate as a 4-

lite hopper window, as does the bottom row. From the top of the window the first, fourth, and fifth rows are fixed. Not all of these windows were fully visible, so it is possible that some windows were modified to accommodate ventilation systems.

The southeast elevation has a modern, metal fire door at its southern-most end, with a concrete stair and platform leading to it. To the right (east) of this door is a single modern roll-up door loading bay. This elevation also has lamps, floodlights, and a loudspeaker attached at roof level.

Figure 15. Building 2, view of the northeast (main) and northwest elevations, looking south. 10/11/2017 (IMG 4077)

Building 2 was constructed in 1953 based on the LADBS Permit filed in that year. According to the original building permit the building was constructed as a 171 × 51 × 121-foot one-story, concrete block building with a composition roof supported by 2 × 12-inch rafters and concrete floors. The original use for the building listed on the permit is a "warehouse (for general electrical supplies; no hazardous materials" (LADBS No. 1953LA64593). A permit was found for one set of alterations in 1982 that added a loading platform, access door, interior partitions, and interior ceilings, as well as to

comply with Title 24, which refers to California energy efficiency compliance laws passed in 1977 (LADBS No. 1982WL54416). Observed alterations to the building include the following: replacement panes in some of the windows, modification of windows to accommodate ventilation units, and updating loading bay doors to modern standards.

A review of historic maps and aerial photographs was conducted as part of the archival research effort for this property. The 1944 Sanborn map does not show a building located on the parcel, which is consistent with a 1953 date of construction provided by the building permit. The following historic aerial photographs were reviewed for the property: 1947, 1952, 1964, 1967, 1972, 1980, 1989, 1994, 2002, 2003, 2004, 2005, 2006, 2009, 2010, 2011, 2012, and 2014 (NETR 2017; CSM 2017). The 1964 aerial photograph shows a one-story building with a rectangular plan. The building appears to retain the scale and massing of the original plan, as shown in the 1964 aerial photograph and all subsequent aerial photographs (Google Earth 2016; NETR 2017; CSM 2017).

Building 3, Warehouse – Fleet Shop, 1956

The subject property is a Mid-Century Modern building constructed in 1956, facing northeast towards a central, paved corridor road that runs the length of the tax lot (Figure 16). The one-story building is currently used as a warehouse for storing fleet vehicles, electrical equipment storage, a wash bay, and as a machine shop for equipment repairs. The building features a low-pitched, side-gabled roof supported by steel I-beam rafters and purlins. There is no sheathing, and the roof is clad in corrugated galvanized steel sheets with no eaves. The roofline is occasionally interrupted by regularly spaced rotating metal roof vents. The walls are clad in vertically oriented, corrugated galvanized steel sheets and attached to a steel I-beam frame system with metal bolts and screws. The structural framing is arranged around I-beam posts that attach to I-beam principal rafters at the roof, effectively dividing the building into 16 bays. Each of these I-beam bents have horizontal metal studs bracing and connecting them, as well as I-beam purlins bracing the structure in the roof. The I-beam bents are attached to the ground at small concrete plinths.

On the northeast (main) elevation, the building is divided into three sections: a central open area with five bays, flanked on either end by a closed section with multiple doors. From left to right, the first section contains a corrugated metal up-and-over garage door; a metal two-panel doors with the upper panel split into a 2-lite, fixed window with frosted glass divided by a metal muntin; a corrugated metal up-and-over garage door with a centered wicket gate; and a corrugated metal up-and-over garage door with a wicket gate on the left side. The middle open section comprises six bays separated by I-beam bents. The third section has seven bays with the following fenestration arrangement: four corrugated metal roll-up garage doors; an 8-lite metal-framed window with the middle four lites forming an operable awning window and a full-bay-width metal shed roof attached on a level with the lower window muntin (directly below the awning window); and two corrugated metal roll-up garage doors. The garage door on the last bay was open, and an LADWP employee confirmed that this bay was used for washing vehicles.

The northwest elevation is gable ended and clad entirely in corrugated metal sheets. It has a single metal door as fenestration near the north side. This elevation also has floodlights and a utility box attached to the exterior wall.

The southwest elevation was not readily visible due to access restrictions and vegetation. However, the elevation appears to have irregular fenestration (from left to right): two square 16-lite windows with central operable sections, a rectangular multi-paned window, four multiple-paned windows (possibly a 4 × 3 grid), an expanse of corrugated metal-clad wall roughly corresponding to one bay-width, an opening of some sort (window or door is unclear), an expanse of corrugated metal-clad wall roughly corresponding to five bay widths, a square 16-lite window with central operable section adapted to house a fan, and a square 16-lite window with a central 4-lite horizontal pivot section.

The southeast elevation is gable ended and lacks fenestration, presenting as an expanse of corrugated metal cladding. The southern part has a low shed-roofed wood-framed addition, while the eastern part sports six vertical metal posts with regularly spaced horizontal arms that serve as open-air shelving.

Figure 16. Building 3, view of the northeast (main) and southeast elevations, looking west. 10/11/2017 (IMG 0014)

Building 3 was constructed in 1956 based on the LADBS Permit filed in that year. According to the original building permit, the building was constructed as a 310 × 40 × 14-foot one-story building. The original use

for the building listed on the permit is a "truck shed" (LADBS No. 1956WL18771). Several permits were found for alterations, and the first of these was dated 1959 that added an interior partition measuring 40 feet by 16 feet at the southeast end of the building (LADBS No. 1959LA44642). This partition closed off the southeastern most 40 feet of the 310-foot-long building, likely creating the three closed bays at that side of the building. The next permit was dated 1965 and included enclosing an unknown 20 × 40-foot area with sheet metal and steel framing (LADBS No. 1965LA91336). The next permit was dated 1970 and included updating an existing shed roof, enclosing a truck stall at the north end of the building with corrugated metal siding, and the construction of a new concrete floor at the north end of the building (LADBS No. 1970LA08254). The final recorded permit for alterations was in 2010, and based on the attached work map, the intent was grading and pouring concrete within the footprint of Building 3 (LADBS No. 10016-30000-06428). Observed alterations to the building include the following: modified windows, updated roll-up garage doors, and replacement corrugated metal roofing and siding at the north end of the building.

A review of historic maps and aerial photographs was conducted as part of the archival research effort for this property. The 1944 Sanborn map does not show a building located on the parcel, which is consistent with a 1956 date of construction provided by the building permit. The following historic aerial photographs were reviewed for the property: 1947, 1952, 1964, 1967, 1972, 1980, 1989, 1994, 2002, 2003, 2004, 2005, 2006, 2009, 2010, 2011, 2012, and 2014 (NETR 2017; CSM 2017). The 1964 aerial photograph shows a one-story building with a rectangular plan. The building appears to retain the scale and massing of the original plan, as shown in the 1964 aerial photograph and all subsequent aerial photographs (Google Earth 2016; NETR 2017; CSM 2017).

Building 4, District Office, 1959

The subject property is a Mid-Century Modern building constructed in 1959, facing southwest towards a central, paved corridor road that runs the length of the tax lot (Figure 17). The two-story building is currently used as an office and record storage area. The building features a flat roof behind a low parapet wall, but the roof structure was not visible. The walls are painted concrete masonry units laid in uniform running bonds from roof to foundation. The building foundation is a concrete pad. Building 4 has several distinctive modernistic decorative character-defining features: modern sans-serif metal lettering on the northwest elevation, horizontal metal awning screens running the length of buildings over the tops of windows as a screen on three of four elevations, and a pierced concrete block privacy wall on the southwest elevation.

On the main (southwest) elevation, there is a variety of fenestration. From left to right, on the first floor, there are three 2 wide × 3 tall, have the bottom two lites fixed, and have the top four operating as an awning window. To the right (south) of the windows is the main entry, which consists of a modern metal fire door with a thin, vertical fixed window with wire glass. Projecting from the south corner, perpendicular to the southeast elevation, is the pierced concrete block privacy wall. The wall extends out about 5 feet and runs from ground level to the flat metal awning over the first floor windows. The pattern on the pierced privacy

shade is simple alternating a square pierced block with a solid block every other course of the wall. There is a flat metal awning above the first floor windows and door. The flat metal awning on the first floor projects outward a few extra feet in front of the door to encompass the width of the privacy screen. The windows on the upper floor are spaced evenly with the first floor. From left to right, there are two 6-lite metal windows, which are arranged 2 wide × 3 tall, have the bottom two lites fixed, and have the top four operating as an awning window. Right of this, there is a 2-lite window in a metal frame. The opening style of the window is unknown. Then there is another two 6-lite windows, which are arranged 2 wide × 3 tall, have the bottom two lites fixed, and have the top four operating as a an awning window.

On the northwest elevation, which faces West Nebraska Avenue, from left to right, there are three 3-lite metal windows arranged 1 wide × 3 high in a ribbon on the first floor and identically spaced windows and identical window types on the second floor. Each floor has a flat metal awning shade running the length of the building immediately over the tops of the windows. Between the first and second floor, in sans-serif, all-capitals, metal lettering reads: "Department of Water and Power / City of Los Angeles / West Los Angeles Distribution Headquarters."

Along the southeast elevation, the window and door schedule becomes irregular. From left to right, on the first level, there is an ADA-compliant 10-foot concrete ramp with a railing, leading to a modern metal fire door. There is a shed-roof metal awning over the door. To the right (east) of the door are two windows: first is a 3-lite metal window, which is arranged 1 wide × 3 high with a fixed bottom lite and the top two lites operating together as an awning window; further right is a 2-lite (vertically arranged), metal awning window. There is a short, flat metal awning over these two windows, but unlike awnings on the northwest and southwest elevations, the awning does not extend the length of the building. On the upper floor, from left to right, there is a ribbon of three 3-lite windows in metal frames, a second ribbon of three 3-lite windows in metal frames, a painted metal fire escape ladder and metal guard, and an offset 2-lite metal awning window at the left-most side. Over the two window ribbons is a short, flat metal awning that does not extend the length of the building. The 2-lite window has no awning.

The northeast elevation also has an irregular window and door schedule. From left to right, the left side of the building on both levels is devoid of windows, doors, awnings, railings, or any decorative element. Windows are grouped at the right (north) side of the building. On the lower floor, from left (east) to right (north), there is a 2-lite (vertically arranged) metal awning window; a 3-lite window, which is arranged 1 wide × 3 high with a fixed bottom lite and the top two lites operating together as an awning window; and a ribbon of three 3-lite, metal windows where the top two lites operate as an awning window and the bottom lite is fixed. On the upper floor are three 6-lite metal window, which are arranged 2 wide × 3 high where the top four lites operate as an awning window, and the bottom two lites are fixed.

Figure 17. Building 4, view of the southwest (main) and southeast elevations, looking north. 10/11/2017 (IMG 4138)

Building 4 was constructed in 1959 based on the LADBS Permit filed in that year. According to the original building permit, the building was constructed as a 40 × 48 × 22-foot two-story building. The original use for the building listed on the permit is an "office" (LADBS No. 1959LA47000). Only two permits were found for alterations, and the first of these was dated 1982 and called for a remodeling of the office, new ceilings, and the addition of AC and bathrooms (LADBS No. 1982WL54413). The next permit was dated 1988 and called for external storage structures to be attached to the building (LADBS No. 1988WL77658). These structures were not extant in the 2017 survey. Observed alterations to the building include the following: replacing windows along the southwest (main) elevation, replacing doors, and adding an ADA-compliant ramp.

A review of historic maps and aerial photographs was conducted as part of the archival research effort for this property. The 1944 Sanborn map does not show a building located on the parcel, which is consistent with a 1959 date of construction provided by the building permit. The following historic aerial photographs

were reviewed for the property: 1947, 1952, 1964, 1967, 1972, 1980, 1989, 1994, 2002, 2003, 2004, 2005, 2006, 2009, 2010, 2011, 2012, and 2014 (NETR 2017; CSM 2017). The 1964 aerial photograph shows a two-story building with a nearly square plan. The building appears to retain the scale and massing of the original plan, as shown in the 1964 aerial photograph and all subsequent aerial photographs (Google Earth 2016; NETR 2017; CSM 2017).

Building 5, Break Room, 1966

The subject property is a Mid-Century Modern building constructed in 1966, facing southwest towards a central, paved corridor road that runs the length of the tax lot (Figure 18). The one-story building is currently used as a break room, kitchen, vehicle storage, and employee classroom. The building features a flat roof behind a low parapet wall, but the roof structure was not visible. The walls are painted concrete masonry units blocks laid in uniform running bonds from roof to foundation. The building foundation is a concrete pad. Each elevation features a different window and door schedule, as well as some flat, metal awnings that recall the design of the horizontal metal window awnings at Building 4, District Office.

On the southwest (main) elevation, from left to right, is a metal, unpainted 3-lite window with the top two lites operating as an awning window and the bottom lite is fixed. Over the window is a flat-roofed metal awning that wraps the corner of the building and extends slightly into the northwest elevation. Right of the window and awning is a modern, metal fire door. There is a single concrete stoop, one step high, leading to the fire door. Above the level of the 3-lite window is another window just to the right of the door. This is a ribbon of three metal, unpainted, 3-lite windows with the top two lites operating as an awning window and the bottom lite fixed. Beside this window ribbon is a roll-up metal garage door, wide enough for one standard-sized vehicle. Over the garage door is a wide, flat, metal awning that shades only the door and does not wrap around the corner. A shallow ramp, about 6 feet in length and rising no more than 6 inches, leads to the garage door.

Along the northwest elevation, from left the right, there is a metal fire door. Right of this is a metal, unpainted, 3-lite window, which is arrange one wide by three high and has been modified to fit an exhaust fan for the stove on the interior, which fits out of the awning window opening. Right of this window is an observed alteration where an original window has been removed and infilled with concrete masonry units. Right of this are two utility lines and boxes. Further right of this is a 3-lite window that has all lites fixed. Over this right-most window is the awning that wrapped the corner extending from the main elevation.

The northeast elevation, from left to right, has three ribbons of three 3-lite windows, evenly spaced along the elevation. Each 3-lite window has a fixed lower lite, and the top two lites operate as an awning window. There are several utility pipes and boxes running from box to roof along the northeast elevation. Two in-wall AC units are also attached to the northeast elevation and have utility wire pipes running away from them. There is an electric car charging station attached to the right-most side of the building as well.

On the southeast elevation, from left to right is a basketball hoop, attached directly to the masonry. Right of this is an in-wall, AC unit. Right of this is a vinyl, sliding, 2-lite window. Right of this is a modern, metal fire door with a blue fabric and metal shed-roof awning over it. Leading to the door parallel to the elevation wall is an ADA-compliant ramp and railing.

Figure 18. View to northwest (left) and southwest (right) elevations, looking east. 10/11/2017 (IMG 4013)

Building 5 was constructed in 1966 based on the LADBS Permit filed in that year. According to the original building permit, the building was constructed as a 40 × 72 × 20-foot one-story building. The original use for the building listed on the permit is a "(tool room) warehouse" (LADBS No. 1966LA33644), indicating that the current use for the building was not intended by its builders. Only one permit was found for alterations, in 1982, that called for AC and the addition of partitions (LADBS No. 1982WL54414). Observed alterations to the building include the following: infilling and altering windows along the northwest elevation, replacing doors, adding an ADA-compliant ramp, and adding utilities, including the electric car charging station.

A review of historic maps and aerial photographs was conducted as part of the archival research effort for this property. The 1944 Sanborn map does not show a building located on the parcel, which is consistent with a 1966 date of construction provided by the building permit. The building does not appear on the 1964 aerial with the other four main buildings on the lot. The following historic aerial photographs were reviewed for the property: 1947, 1952, 1964, 1967, 1972, 1980, 1989, 1994, 2002, 2003, 2004, 2005, 2006, 2009, 2010, 2011, 2012, and 2014 (NETR 2017; CSM 2017). The 1967 aerial photograph shows a one-story building with a nearly square plan. The building appears to retain the scale and massing of the original plan, as shown in the 1964 aerial photograph and all subsequent aerial photographs (Google Earth 2016; NETR 2017; CSM 2017).

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5 SIGNIFICANCE EVALUATION

5.1 LADWP West Los Angeles District Headquarters

This significance evaluation considers the eligibility requirements presented in the SurveyLA Citywide Historic Context Statement for Municipal Water and Power (Prosser 2017). The context provides guidance for identifying and evaluating potential historical resources related to water and power, and outlines the requirements for various property types. The LADWP West Los Angeles Yard falls under the property type: Administration Buildings and Service Yards. This property type has a period of significance of 1902–1980. The context statement also includes eligibility standards, character defining/associative features, and integrity consideration for the property type, which were all considered in the evaluation.

NRHP/CRHR Statement of Significance

In consideration of the project site's history and requisite integrity, Dudek finds the West Los Angeles Department of Water and Power Yards not eligible for listing in the NRHP or CRHR based on the following significance evaluation and in consideration of national and state eligibility criteria.

Criterion A/1: Associated with events that have made a significant contribution to the broad patterns of our history.

Archival research did not identify any associations with events that have made a significant contribution to the broad patterns of local or regional history. The subject property is one of at least 33 LADWP buildings from approximately the same period of construction (1945-1955) and lacks "a direct association with the physical growth of the City of Los Angeles during the 1902–1980 period" (Prosser 2017). These buildings are unrelated to major events in Los Angeles or LADWP history and do not clearly reflect the transition from architect-designed, monumental public utility buildings, to the more simplified and scaled down public utility buildings. The buildings are not associated with any locally important events in the Sawtelle neighborhood history. Although the increase in LADWP facilities does correlate with the post-WWII population boom that occurred in the mid-century, the headquarters themselves did not provide power for the West Los Angeles area, and appear to have played a supporting role for the nearby Distribution Center and for workers and journeymen stationed in the area. The site is most strongly related to equipment and vehicle storage. Due to a lack of significant associations with events important to history, the subject property does not appear eligible under NRHP/CRHR Criteria A/1.

Criterion B/2: Associated with the lives of persons significant in our past.

All engineers and worker names identified with the subject property were researched for possible significance. Archival research failed to indicate any associations with significant persons. This building has no known associations with any important figures in LADWP or City of Los Angeles history. For these reasons, the subject property does not appear eligible under NRHP/CRHR Criteria B/2.

Criterion C/3: Embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

There is a corresponding Los Angeles Citywide Historic Context statement available for Municipal Water and Power Buildings against which this site was evaluated. Under the property type "Administrative Buildings and Service Yards," the subject property does fall within the period of significance (1902–1980) and is associated with water and power administration and maintenance, per the eligibility standards. However, the buildings lack many of the character defining and associative features required. This includes "retaining a significant lobby," which no building on this property has. This building also lacks prominent signage. Although Building 4 does have signage that faces out onto West Nebraska Avenue, this signage is unobtrusive, sans-serif all-capitals lettering made of unadorned metal and attached directly to the side of the building. The site has no significant landscape features and a wall obscures most of the buildings from the street. The site is not related to a significant architectural or engineering theme because notable architects or engineers did not design the site. There are other public utility buildings built during the 1953–1966 period of construction that better suit the criteria laid out in the Los Angeles Citywide Historic Context for Water and Power (Prosser 2017).

In broader terms, during the mid-20th century, the simple aesthetic of Modern-style architecture began to overshadow the more ornate revival styles, signaling a shift in focus from art to function. Affordable, mass-produced materials, simple, boxy forms, and an emphasis on sleekness over applied ornament are hallmarks of the Mid-Century Modern style. The subject property is a collection of buildings built between 1953 and 1966, at a time when the LADWP was expanding to meet the demands of a rapidly growing Los Angeles population that was expanding westward. The LADWP would have keenly felt the appeal of buildings that could be built cheaply, quickly, and remain functional. Nearly all LADWP buildings built between 1945 and 1965 have modernism references or embody the simple and functional elements of the Mid-Century Modern style.

Each building on the subject property has experienced little alteration in plan or function and retains moderate levels of integrity in location, setting, feeling, and association. Integrity of design, materials, and workmanship is partially diminished due to changes in some original materials and use changes in the buildings. All buildings retain their original locations and orientations, and all buildings remain associated with the LADWP as they are set within an operational and active LADWP Yard. Buildings 1, 2, 4, and 5 have no major changes to the design/intention of the buildings, with only minor material and workmanship compromises for changes to windows or doors. Building 3 exhibits the most alterations and retains lower integrity of materials, design, and workmanship and has visibly distinguished new metal cladding materials. Integrity of design is also compromised on Building 3, as interior alterations have closed some bays and changed their intended function. The style is relatively unremarkable and may be indistinguishable from other LADWP neighborhood headquarters throughout Los Angeles. The buildings are not the work of a master architect or important creative individual, and the subject property does not appear eligible as a

contributor to a historic district. For all of these reasons, the subject property does not appear eligible under NRHP/CRHR Criteria C/3.

Criterion D/4: Have yielded, or may be likely to yield, information important in prehistory or history.

There is no evidence to suggest that this property has the potential to yield information important to state or local history, nor is it associated with a known archaeological resource. Therefore, the property is recommended not eligible under NRHP/CRHR Criterion D/4.

City of Los Angeles HCM Criteria

Per the City of Los Angeles Office of Heritage Resources website:

> Historic-Cultural Monument designation is reserved for those resources that have a special aesthetic, architectural, or engineering interest or value of a historic nature. The Cultural Heritage Ordinance establishes criteria for designation; these criteria are contained in the definition of a Monument in the Ordinance. A historical or cultural monument is any site (including significant trees or other plant life located thereon), building, or structure of particular historical or cultural significance to the City of Los Angeles, such as historic structures or sites:
>
> - in which the broad cultural, political, economic, or social history of the nation, state, or community is reflected or exemplified; OR
> - which are identified with historic personages or with important events in the main currents of national, state, or local history; OR
> - which embody the distinguishing characteristics of an architectural-type specimen, inherently valuable for a study of a period, style, or method of construction; OR
> - which are a notable work of a master builder, designer, or architect whose individual genius influenced his or her age.
>
> A proposed resource may be eligible for designation if it meets at least one of the criteria above. (LAOHR 2017)

Because the City of Los Angeles HCM criteria closely follow that of the NRHP and CRHR, the national and state significance evaluation previously presented is also relevant here. The subject property is not an example of outstanding craftsmanship, was not created by a "master" architect, builder, or designer, did not influence the design of other architecture in the City of Los Angeles, and does not have a role in the development or history of Los Angeles. It retains a moderate amount of integrity; however, alterations detract from integrity of materials and design. The site is not associated with a person or event important to Los Angeles history. The site is not associated with important movements or trends shaping the development of Los Angeles. Therefore, the subject property is recommended not eligible for listing as a City of Los Angeles HCM.

Integrity Discussion

Integrity is the authenticity of a historical resource's physical identity as evidenced by the survival of characteristics that existed during the resource's period of significance, and the historical resource's ability to convey that significance. To be listed in the NRHP, a property must not only be shown to be significant under the NRHP criteria, but it also must have integrity. Similar stipulations apply to listing at the state level, but the threshold is lower for the CRHR, particularly if the site has potential to yield significant scientific or historic information. The evaluation of integrity is sometimes a subjective judgment, but it must always be grounded in an understanding of a property's physical features and how they relate to its significance. In consideration of the NRHP, historic properties either retain integrity or they do not. Seven aspects or qualities, in various combinations, define integrity: location, design, setting, materials, workmanship, feeling, and association (NPS 1990). To retain historic integrity, a property generally possesses several, if not most, of the aspects. The retention of specific aspects of integrity is paramount for a property to convey its significance. The subject property's integrity is as follows:

Location: The building is sited on the original location of construction in its original orientation. Therefore, the subject property retains integrity of location.

Design: The five buildings were subjected to several alterations over time that have compromised its integrity of design, including reconfiguration of entry points; accessibility additions such as ramps and larger compliant entry points; reconfiguration of interior spaces (most apparent and well documented at Building 3); removal of windows (most apparent at Building 5); and additions of lights, speakers, basketball hoops, awnings, HVAC, and modern utility boxes, to the building exteriors. Exterior spaces fluidly transition from parking areas to roads, roads to material storage spaces, and storage areas to parking areas again with little regard for original intention or design. Therefore, the buildings and grounds at the subject property do not maintain integrity of design.

Setting: The subject property does not maintain its original property boundaries, extending north into the 12272 West Nebraska Avenue lot sometime in the last decade. This area, now an employee vehicle parking lot, is not well documented. The southern boundary along the 1840 Centinela Avenue transformer yard is also historically fluid and changed to include parking spaces, storage buildings, and even roads before reverting to two separate distinct spaces. The setting within the larger neighborhood context is largely unaltered. The area to the northwest is still a predominantly single-family residential neighborhood. The area to the northeast and southeast is still light industrial. The area to the southwest is still occupied by the LADWP transformer yard. Therefore, the property's retains diminished integrity of setting, by the reconfiguration of the yards over time.

Materials: Numerous alterations to the buildings have compromised the property's material integrity, including the addition of metal replacement windows, addition of metal awnings, addition of fire-compliant and ADA-compliant doors, and replacement metal doors for loading bays. All of these alterations introduced new materials to the subject property that were not part of the original design. Therefore, the property does not retain integrity of materials.

Workmanship: Similar to the issue with materials, the physical evidence of a craftsman's skills in constructing the original building was compromised by the exterior alterations to the buildings. Therefore, the property no longer retains its integrity of workmanship.

Feeling: The alterations made to the subject property do not significantly impact the buildings' ability to correlate to a Mid-Century Modern working yard for the use of LADWP journeymen and their supporting staff. It retains high levels of functionality that it would have had since the site was developed in the 1950s and 1960s. For the most part, buildings retain their original roles, and the feeling of individual buildings has not changed. Changes to the layout of the property and setting, however do affect integrity of feeling. The significant addition of outdoor storage obstructs the original feeling of a working yard. The creation and addition of lots for parking spaces further degrades integrity of feeling. Therefore, the subject property retains diminished integrity of feeling.

Association: No important historical associations with events and people were identified for the subject property.

In summary, the subject property appears not eligible under all NRHP, CRHR, and City of Los Angeles HCM designation criteria. Further, the property exhibits moderate integrity of location, setting, and feeling, and low integrity of design, materials, or workmanship. No important historical associations with events and people were identified. Consequently, the property does not maintain the requisite integrity to warrant listing in the NRHP, CRHR, or as a City of Los Angeles HCM.

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6 FINDINGS AND RECOMMENDATIONS

6.1 Summary of Findings

Built Environment Resources

Dudek surveyed one LADWP utility yard property built over 50 years ago and containing five buildings, numerous outdoor storage structures, gas and fuel pads, and equipment/vehicle parking. Each building/structure on the site was photographed, researched, and recorded on the appropriate set of DPR forms (Appendix D). The entire West Los Angeles LADWP Yard was evaluated for historical significance in consideration of NRHP, CRHR, and City of Los Angeles HCM designation criteria and integrity requirements. Table 3 presents a summary of each building within the yard. As a result of the significance evaluation, the West Los Angeles LADWP Yard appears not eligible for inclusion in the NRHP, CRHR, or local register (status code 6Z) due to a lack of significant historical associations and compromised integrity. Therefore, the buildings located within the proposed project site are not considered historical resources for the purposes of CEQA.

Table 3. Summary of Property Significance Evaluations

Map No.*	Street Address	City	Assessor's Parcel Number	Year Built (per County Assessor)	Evaluation Findings**
1	12300 West Nebraska Avenue	Los Angeles	4259018902	1953	6Z
2	12300 West Nebraska Avenue	Los Angeles	4259018902	1953	6Z
3	12300 West Nebraska Avenue	Los Angeles	4259018902	1956	6Z
4	12300 West Nebraska Avenue	Los Angeles	4259018902	1959	6Z
5	12300 West Nebraska Avenue	Los Angeles	4259018902	1966	6Z

* Corresponds to Figure 13
** Status Code 6Z = not eligible for inclusion in the NRHP, CRHR, or local designation.

Archaeological Resources

No archaeological resources were identified within the project site as a result of the CHRIS records search, Native American coordination, or survey. One Native American contact requested the presence of a Native American monitor during all ground-disturbing activities. However, no specific archaeological resources or sensitivity concerns were identified by any sources consulted. However, it is always possible that intact archaeological deposits are present at subsurface levels. For these reasons, the project site should be treated as potentially sensitive for archaeological resources. Management recommendations to reduce potential impacts to unanticipated archaeological resources and human remains during campus construction activities are provided below.

The findings of this cultural resources study indicate that the proposed project will have a less-than-significant impact on historical resources under CEQA.

6.2 Management Recommendations

Unanticipated Discovery of Archaeological Resources

In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the proposed project, all construction work occurring within 100 feet of the find shall immediately stop until a qualified archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards, can evaluate the significance of the find and determine whether or not additional study is warranted. Should it be required, temporary flagging may be installed around a resource to avoid any disturbances from construction equipment. Depending upon the significance of the find under CEQA (14 California Code of Regulations Section 15064.5(f); PRC Section 21082), the archaeologist may record the find to appropriate standards (thereby addressing any data potential) and allow work to continue. If the archaeologist observes the discovery to be potentially significant under CEQA, additional treatment may be required.

Unanticipated Discovery of Human Remains

In accordance with Section 7050.5 of the California Health and Safety Code, if potential human remains are found, the lead agency staff and the County Coroner must be immediately notified of the discovery. The coroner would provide a determination within 48 hours of notification. No further excavation or disturbance of the identified material, or any area reasonably suspected to overlie additional remains, can occur until a determination has been made. If the County Coroner determines that the remains are, or are believed to be, Native American, the coroner would notify the NAHC within 24 hours. In accordance with PRC Section 5097.98, the NAHC must immediately notify those persons it believes to be the MLD from the deceased Native American. Within 48 hours of this notification, the MLD would recommend to the lead agency her/his preferred treatment of the remains and associated grave goods.

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APPENDIX A

CONFIDENTIAL Records Search Results

APPENDIX B

NAHC and Tribal Outreach

NATIVE AMERICAN HERITAGE COMMISSION
Environmental and Cultural Department
1550 Harbor Blvd., Suite 100
West Sacramento, CA 95691
(916) 373-3710

September 7, 2017

Samantha Murray
Dudek

Sent by E-mail: smurray@dudek.com

RE: Proposed LADWP West LA Yard (#8584-50) Project, City of Los Angeles; Beverly Hills USGS Quadrangle, Los Angeles County, California

Dear Ms. Murray:

A record search of the Native American Heritage Commission (NAHC) *Sacred Lands File* was completed for the area of potential project effect (APE) referenced above with negative results however the area is sensitive for cultural resources. Please note that the absence of specific site information in the *Sacred Lands File* does not indicate the absence of Native American cultural resources in any APE.

Attached is a list of tribes culturally affiliated to the project area. I suggest you contact all of the listed Tribes. If they cannot supply information, they might recommend others with specific knowledge. The list should provide a starting place to locate areas of potential adverse impact within the APE. By contacting all those on the list, your organization will be better able to respond to claims of failure to consult. If a response has not been received within two weeks of notification, the NAHC requests that you follow-up with a telephone call to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from any of these individuals or groups, please notify me. With your assistance we are able to assure that our lists contain current information. If you have any questions or need additional information, please contact via email: gayle.totton@nahc.ca.gov.

Sincerely,

Gayle Totton, M.A., PhD.
Associate Governmental Program Analyst

CONFIDENTIALITY NOTICE: This communication with its contents may contain confidential and/or legally privileged information. It is solely for the use of the intended recipient(s). Unauthorized interception, review, use or disclosure is prohibited and may violate applicable laws including the Electronic Communications Privacy Act. If you are not the intended recipient, please contact the sender and destroy all copies of the communication.

Native American Heritage Commission
Native American Contact List
Los Angeles County
9/7/2017

Gabrieleno Band of Mission Indians - Kizh Nation
Andrew Salas, Chariperson
P.O. Box 393 — Gabrieleno
Covina, CA, 91723
Phone: (626) 926 - 4131
gabrielenoindians@yahoo.com

Gabrieleno/Tongva San Gabriel Band of Mission Indians
Anthony Morales, Chairperson
P.O. Box 693 — Gabrieleno
San Gabriel, CA, 91778
Phone: (626) 483 - 3564
Fax: (626) 286-1262
GTTribalcouncil@aol.com

Gabrielino /Tongva Nation
Sandonne Goad, Chairperson
106 1/2 Judge John Aiso St., #231 — Gabrielino
Los Angeles, CA, 90012
Phone: (951) 807 - 0479
sgoad@gabrielino-tongva.com

Gabrielino Tongva Indians of California Tribal Council
Robert Dorame, Chairperson
P.O. Box 490 — Gabrielino
Bellflower, CA, 90707
Phone: (562) 761 - 6417
Fax: (562) 761-6417
gtongva@gmail.com

Gabrielino-Tongva Tribe
Charles Alvarez,
23454 Vanowen Street — Gabrielino
West Hills, CA, 91307
Phone: (310) 403 - 6048
roadkingcharles@aol.com

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed LADWP West LA Yard (#8584-50) Project, Los Angeles County.

DUDEK

3544 UNIVERSITY AVENUE
RIVERSIDE, CALIFORNIA 92501
T 951.300.2100 F 951.300.2105

September 11, 2017 8584-50

Mr. Charles Alvarez, Councilman
Gabrielino Tongva Tribe
23454 Vanowen St.
West Hills, CA 91307

Subject: West Los Angeles District Yard Demolition and Construction Project, City of Los Angeles, Los Angeles County, California

Dear Mr. Alvarez:

The Los Angeles Department of Water and Power (LADWP) retained Dudek to conduct a cultural resources study in support of the proposed West Los Angeles District Yard Demolition and Construction Project (project) located in the City of Los Angeles, Los Angeles County, California. The project proposes the demolition of all existing structures at the West Los Angeles District Yard and construction of three new buildings in their place, as well as an underground and surface parking lot. The West Los Angeles District Yard is located at 12300 Nebraska Avenue, Los Angeles, CA 90025. The project falls within Section 33 of Township 1 South, Range 15 West of the *Beverly Hills* U.S. Geological Service 7.5-minute series topographic Quadrangle map (see attached map).

As part of the cultural resources study prepared for the proposed project, Dudek contacted the California Native American Heritage Commission (NAHC) to request a Sacred Lands File (SLF) search and a list of Native American individuals and/or tribal organizations who may have knowledge of cultural resources in or near the proposed project area. The SLF search failed to indicate the presence of Native American cultural resources in the immediate project area; however, the NAHC noted that the area is sensitive for cultural resources.

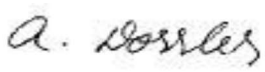
The NAHC recommended that we contact you regarding your knowledge of the presence of cultural resources that may be impacted by this project. If you have any knowledge of cultural resources that may exist within or near the proposed project area, please contact me directly at (760) 840-7556, adorrler@dudek.com, or at 3544 University Avenue, Riverside, CA 92501 within 15 days of receipt of this letter.

Please note that this letter does not constitute Assembly Bill (AB) 52 notification or initiation of consultation. AB 52 is a process between the lead agency and California Native American Tribes concerning potential impacts to tribal cultural resources. Tribes that wish to be notified of

projects for the purposes of AB 52 must contact the lead agency, the LADWP, in writing (pursuant to Public Resources Code Section 21080.3.1 (b)).

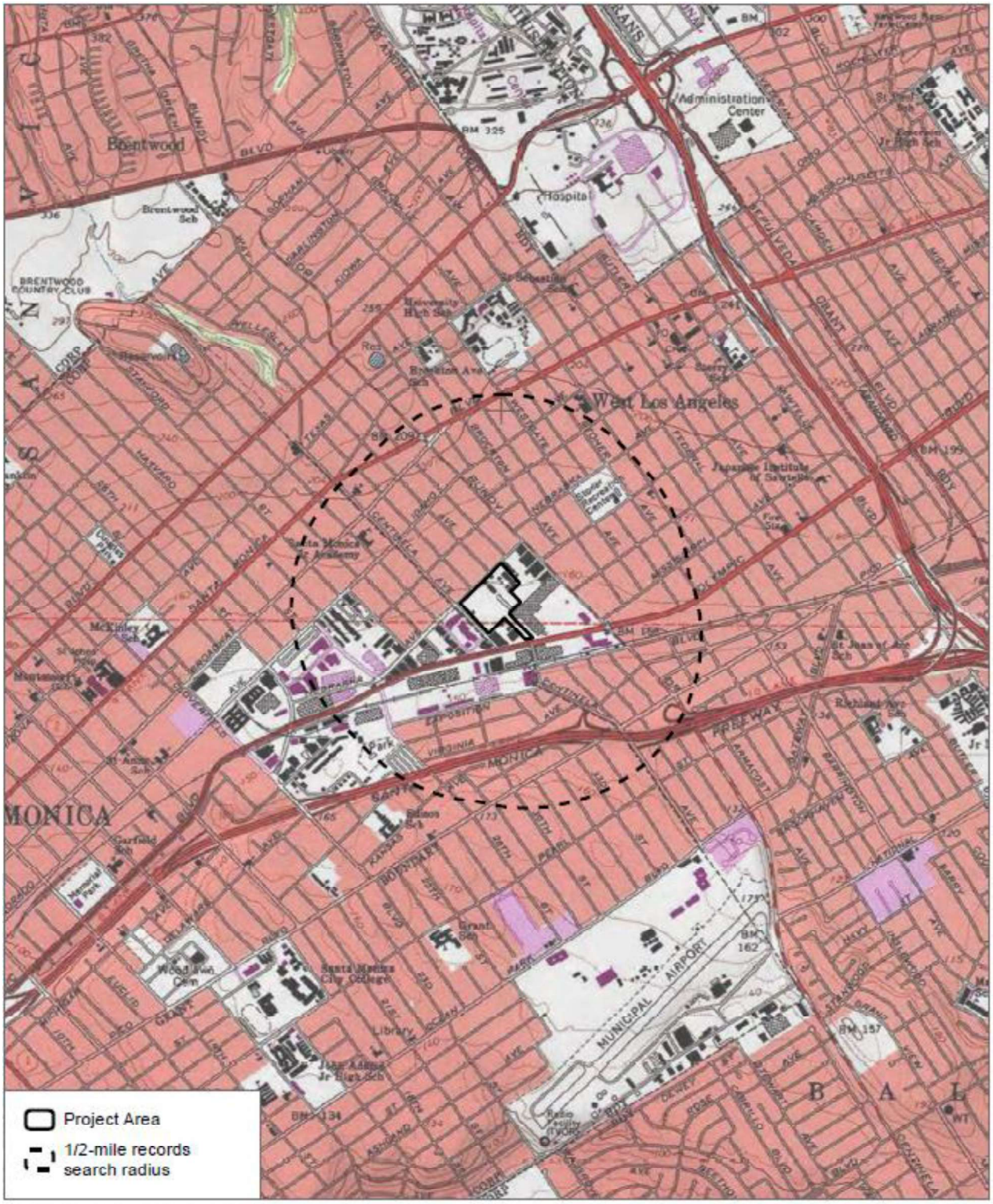
Thank you for your assistance.

Sincerely,



Adriane Dorrler
Archaeologist

Attachment: Records Search Map



SOURCE: USGS USA Topo 7.5 Series Quadrangle Beverly Hills, Township 1S / Range 15W / Section 33

DUDEK 0 1,000 2,000 Feet

Cultural Records Search Map

LADWP West LA District Yard

DUDEK

3544 UNIVERSITY AVENUE
RIVERSIDE, CALIFORNIA 92501
T 951.300.2100 F 951.300.2105

September 11, 2017 8584-50

Mr. Robert F. Dorame, Tribal Chair/Cultural Resources
Gabrieleno Tongva Indians of California Tribal Council
P.O. Box 490
Bellflower, CA 90707

Subject: West Los Angeles District Yard Demolition and Construction Project, City of Los Angeles, Los Angeles County, California

Dear Mr. Dorame:

The Los Angeles Department of Water and Power (LADWP) retained Dudek to conduct a cultural resources study in support of the proposed West Los Angeles District Yard Demolition and Construction Project (project) located in the City of Los Angeles, Los Angeles County, California. The project proposes the demolition of all existing structures at the West Los Angeles District Yard and construction of three new buildings in their place, as well as an underground and surface parking lot. The West Los Angeles District Yard is located at 12300 Nebraska Avenue, Los Angeles, CA 90025. The project falls within Section 33 of Township 1 South, Range 15 West of the *Beverly Hills* U.S. Geological Service 7.5-minute series topographic Quadrangle map (see attached map).

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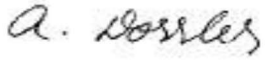

Adriane Dorrler
Archaeologist

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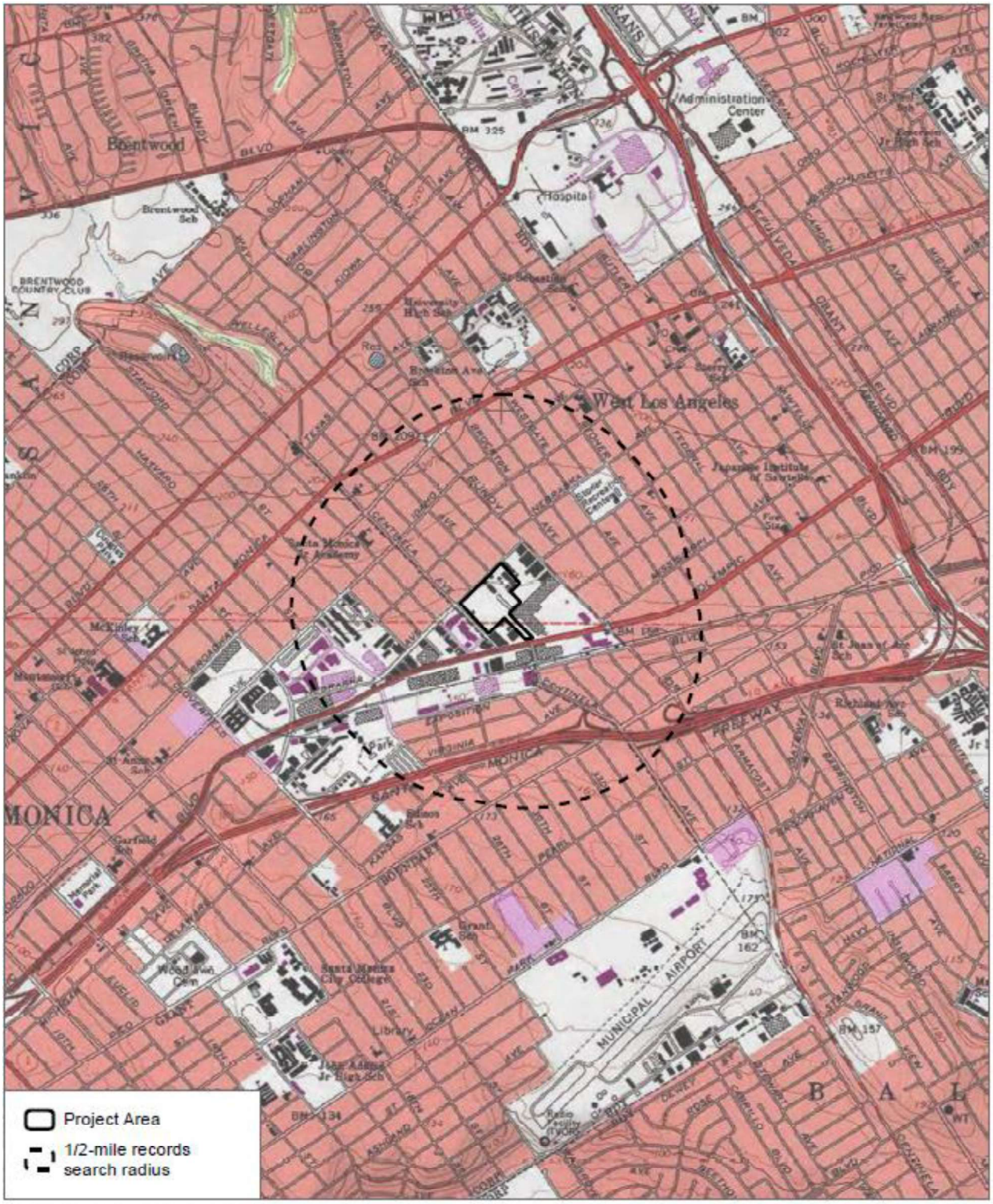

SOURCE: USGS USA Topo 7.5 Series Quadrangle Beverly Hills, Township 1S / Range 15W / Section 33

DUDEK 0 1,000 2,000 Feet

Cultural Records Search Map

LADWP West LA District Yard

DUDEK

3544 UNIVERSITY AVENUE
RIVERSIDE, CALIFORNIA 92501
T 951.300.2100 F 951.300.2105

September 11, 2017 8584-50

Ms. Sandonne Goad, Chairperson
Gabrielino-Tongva Nation
106 1/2 Judge John Also St.
Los Angeles, CA 90012

Subject: West Los Angeles District Yard Demolition and Construction Project, City of Los Angeles, Los Angeles County, California

Dear Ms. Goad:

The Los Angeles Department of Water and Power (LADWP) retained Dudek to conduct a cultural resources study in support of the proposed West Los Angeles District Yard Demolition and Construction Project (project) located in the City of Los Angeles, Los Angeles County, California. The project proposes the demolition of all existing structures at the West Los Angeles District Yard and construction of three new buildings in their place, as well as an underground and surface parking lot. The West Los Angeles District Yard is located at 12300 Nebraska Avenue, Los Angeles, CA 90025. The project falls within Section 33 of Township 1 South, Range 15 West of the *Beverly Hills* U.S. Geological Service 7.5-minute series topographic Quadrangle map (see attached map).

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Sincerely,

Adriane Dorrler
Archaeologist

Attachment: Records Search Map

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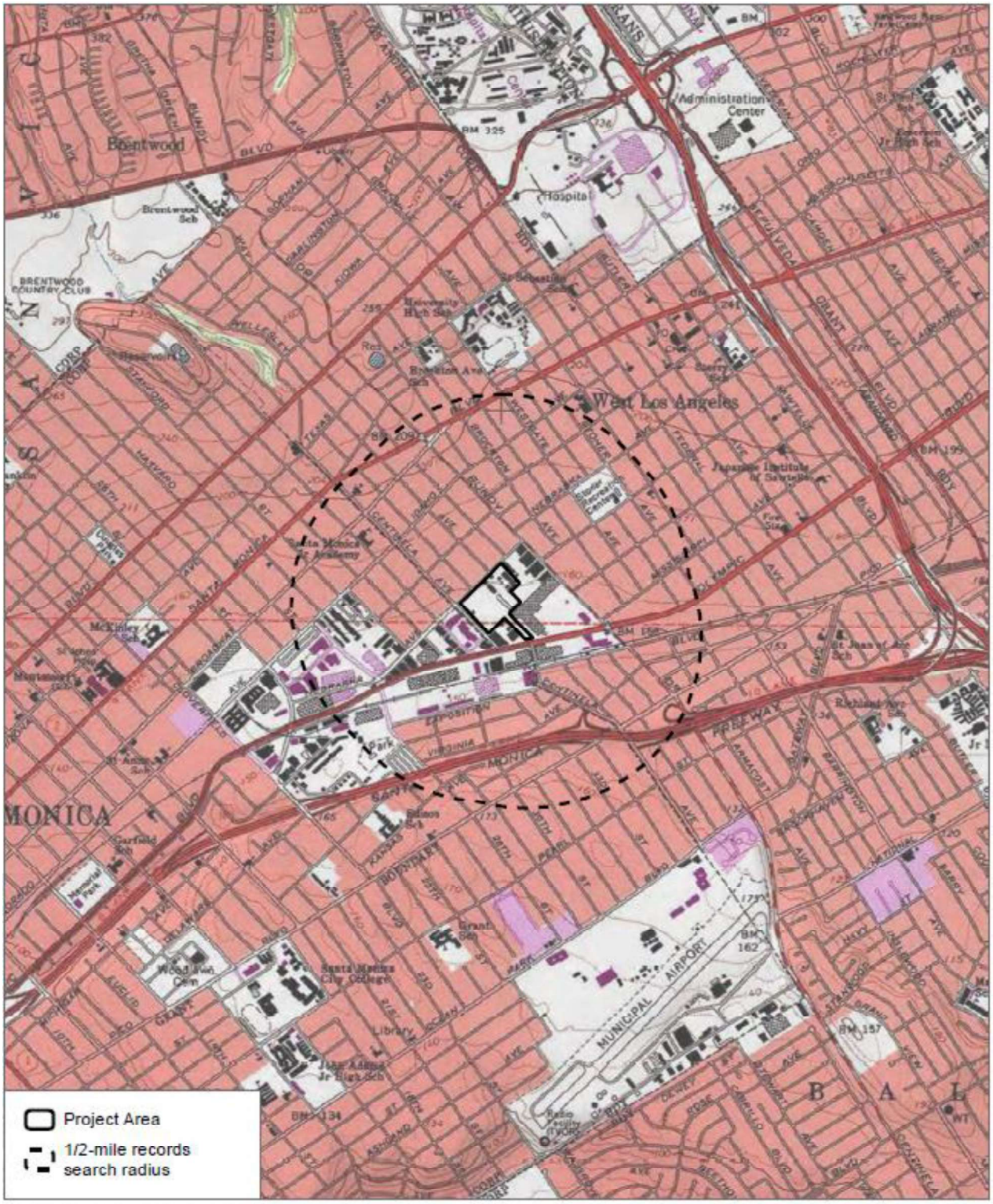
Subject: West Los Angeles District Yard Demolition and Construction Project, City of Los Angeles, Los Angeles County, California



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DUDEK 0 1,000 2,000 Feet

Cultural Records Search Map

LADWP West LA District Yard

DUDEK

3544 UNIVERSITY AVENUE
RIVERSIDE, CALIFORNIA 92501
T 951.300.2100 F 951.300.2105

September 11, 2017 8584-50

Mr. Anthony Morales, Chairperson
Gabrieleno/Tongva San Gabriel Band of Mission Indians
P.O. Box 693
San Gabriel, CA 91778

Subject: West Los Angeles District Yard Demolition and Construction Project, City of Los Angeles, Los Angeles County, California

Dear Mr. Morales:

The Los Angeles Department of Water and Power (LADWP) retained Dudek to conduct a cultural resources study in support of the proposed West Los Angeles District Yard Demolition and Construction Project (project) located in the City of Los Angeles, Los Angeles County, California. The project proposes the demolition of all existing structures at the West Los Angeles District Yard and construction of three new buildings in their place, as well as an underground and surface parking lot. The West Los Angeles District Yard is located at 12300 Nebraska Avenue, Los Angeles, CA 90025. The project falls within Section 33 of Township 1 South, Range 15 West of the *Beverly Hills* U.S. Geological Service 7.5-minute series topographic Quadrangle map (see attached map).

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Adriane Dorrler
Archaeologist

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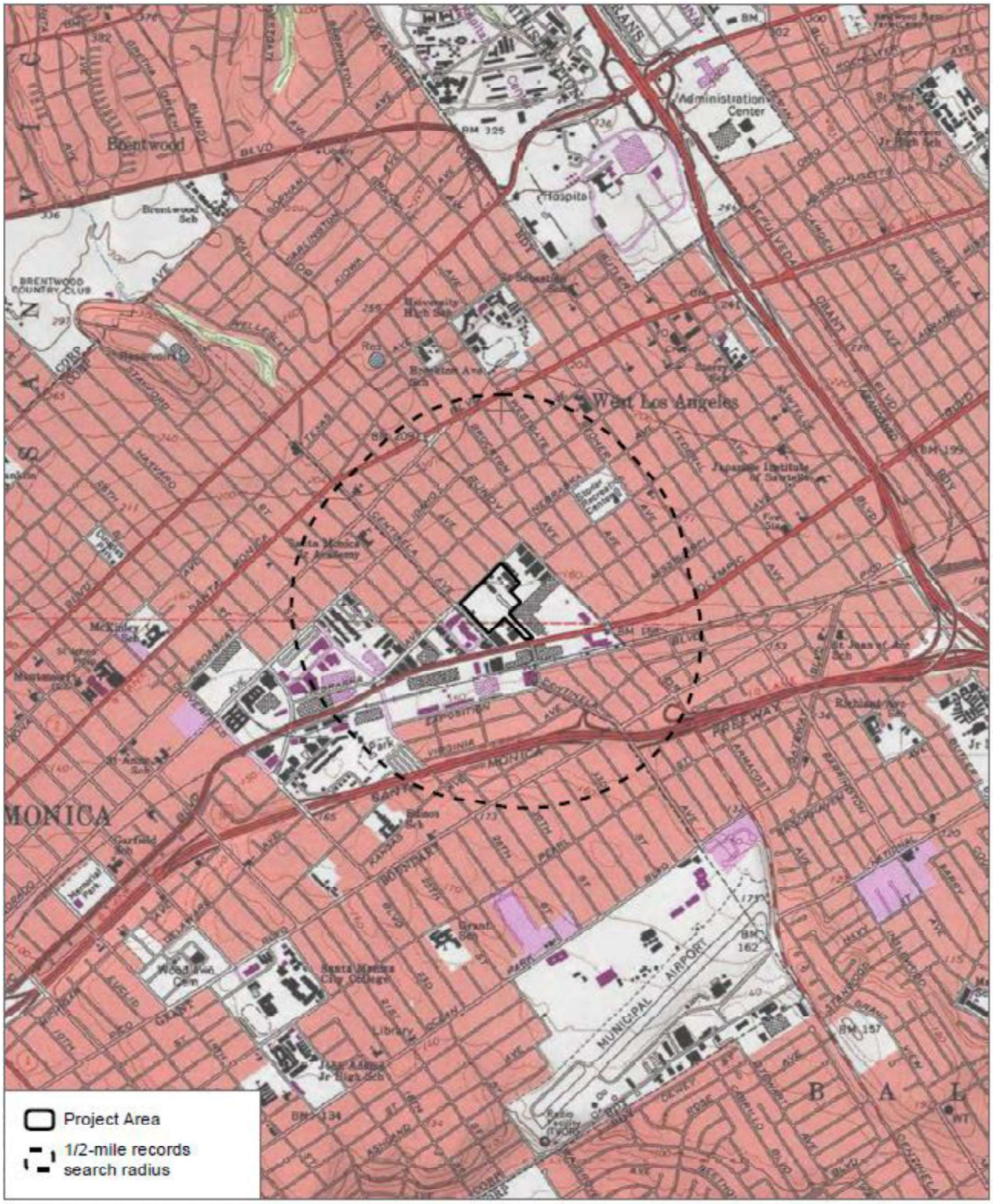
Subject: West Los Angeles District Yard Demolition and Construction Project, City of Los Angeles, Los Angeles County, California



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DUDEK 0 1,000 2,000 Feet

Cultural Records Search Map

LADWP West LA District Yard

DUDEK

3544 UNIVERSITY AVENUE
RIVERSIDE, CALIFORNIA 92501
T 951.300.2100 F 951.300.2105

September 11, 2017 8584-50

Mr. Andrew Salas, Chairperson
Gabrieleno Band of Mission Indians
P.O. Box 393
Covina, CA 91723

Subject: West Los Angeles District Yard Demolition and Construction Project, City of Los Angeles, Los Angeles County, California

Dear Mr. Salas:

The Los Angeles Department of Water and Power (LADWP) retained Dudek to conduct a cultural resources study in support of the proposed West Los Angeles District Yard Demolition and Construction Project (project) located in the City of Los Angeles, Los Angeles County, California. The project proposes the demolition of all existing structures at the West Los Angeles District Yard and construction of three new buildings in their place, as well as an underground and surface parking lot. The West Los Angeles District Yard is located at 12300 Nebraska Avenue, Los Angeles, CA 90025. The project falls within Section 33 of Township 1 South, Range 15 West of the *Beverly Hills* U.S. Geological Service 7.5-minute series topographic Quadrangle map (see attached map).

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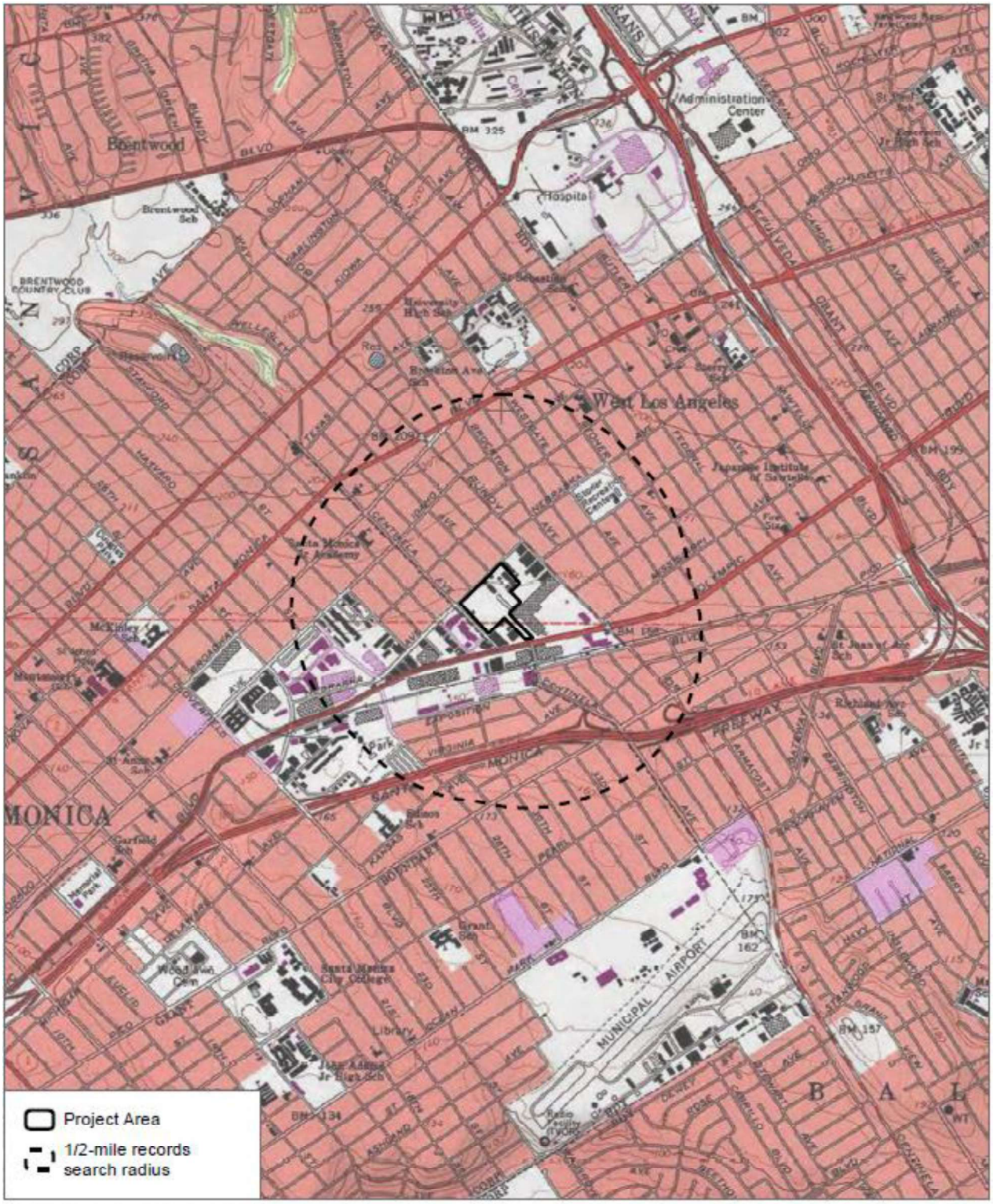
Adriane Dorrler
Archaeologist

Attachment: Records Search Map

Mr. Salas:

Subject: West Los Angeles District Yard Demolition and Construction Project, City of Los Angeles, Los Angeles County, California



SOURCE: USGS USA Topo 7.5 Series Quadrangle Beverly Hills, Township 1S / Range 15W / Section 33

DUDEK 0 1,000 2,000 Feet

Cultural Records Search Map

LADWP West LA District Yard

Gabrieleno Band of Mission Indians – Kizh Nation

Historically known as The San Gabriel Band of Mission Indians
recognized by the State of California as the aboriginal tribe of the Los Angeles basin

October 11, 2017

Regarding: West Los Angeles District Yard Demolition and Construction Project City of Los Angeles

Dear Adriane Dorrler,

This email is in response to the above referenced project located at 12300 Nebraska Ave Los Angeles . The project location is within our Ancestral territory which may have potential for discoveries of our cultural resources . Therefore, we would like to request that one of our Native Monitors be present during any and all ground disturbances.

Should you have any questions or concerns, please contact our office at 844-390-0787.

Thank you,

Andrew Salas
Chairman, Gabreileno Band of Mission Indians-Kizh Nation

Gabrieleno Band of Mission Indians – Kizh Nation PO Box 393 Covina, CA 91723 (626)926-4131
website: www.gabrielenoindians.org email: gabrielenoindians@yahoo.com

APPENDIX C

Select Historical Photographs from the LADWP Archives

Clearing site at LADWP West Los Angeles Headquarters, May 8, 1953. (LADWP No. 34562)

West Los Angeles Headquarters, Building 1, foundation; May 22, 1953 (LADWP No. 34566)

West Los Angeles Headquarters, Building 1, foundation; May 22, 1953 (LADWP No. 34566)

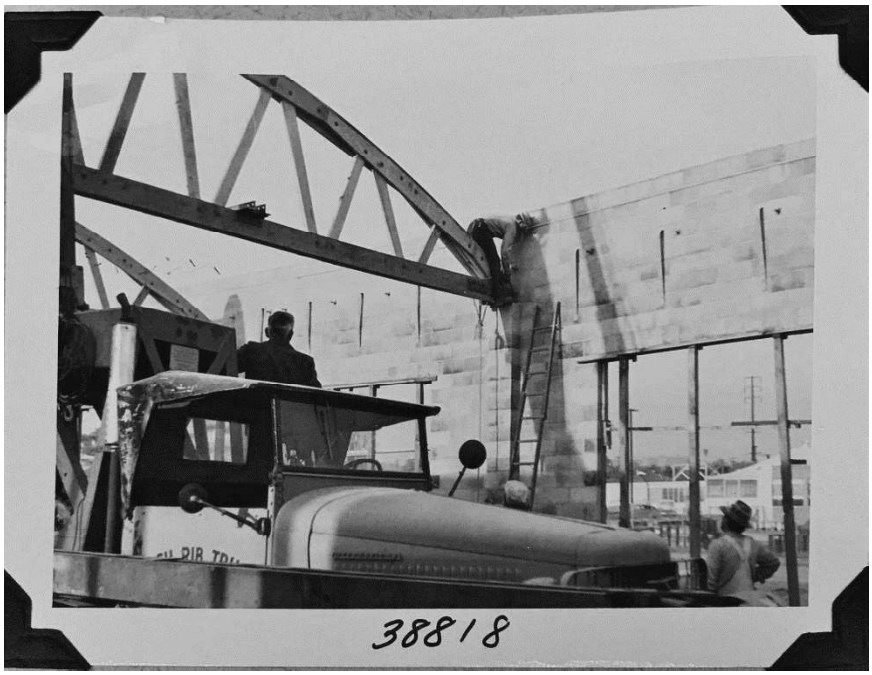
West Los Angeles Headquarters, Building 1, compacting backfill; June 1, 1953 (LADWP No. 34576)

West Los Angeles Headquarters, Building 1, roofless; June 8, 1953 (LADWP No. 34576)

West Los Angeles Headquarters, Building 1 (locker room) in background, clearing foundation for Building 2 (warehouse); October 21, 1953 (LADWP No. 34654)

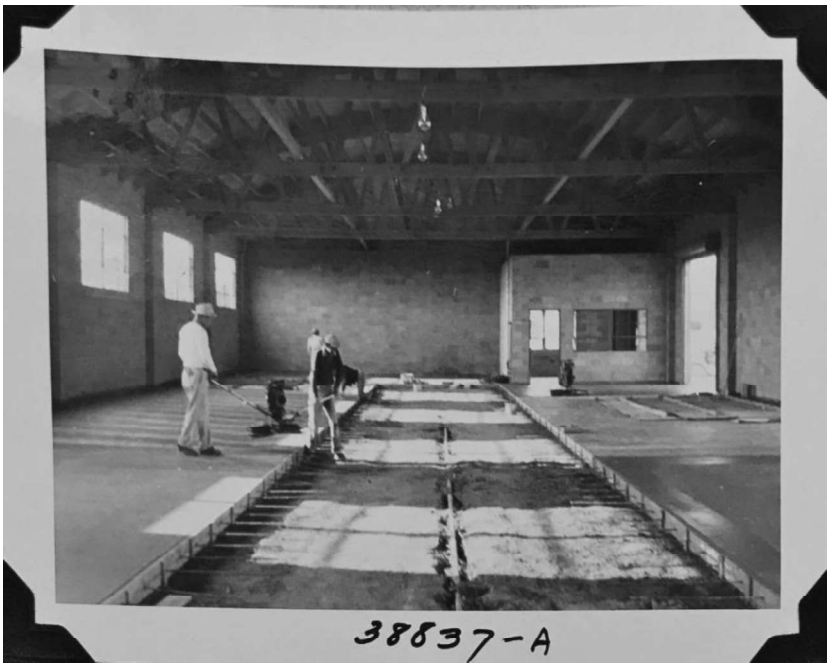
West Los Angeles Headquarters, Building 2 (warehouse), north end of fill showing footing and reinforced steel for foundation wall ; November 4, 1953 (LADWP No. 34662)

West Los Angeles Headquarters, Building 2 (warehouse), exterior form for west foundation wall; November 4, 1953 (LADWP No. 34664)



West Los Angeles Headquarters, Building 2 (warehouse), setting of roof truss – Arch Rib Truss Co; December 17, 1953 (LADWP No. 38818)

West Los Angeles Headquarters, Building 2 (warehouse), brushing on Wesco X-tite Coater on west wall; February 10, 1954 (LADWP No. 38835)



West Los Angeles Headquarters, Building 2 (warehouse), placing of floor slab; February 10, 1954 (LADWP No. 38837A)

West Los Angeles Headquarters, Building 2 (warehouse), mopping roof with Pioneer C-13-C4 Asphalt emulsion (Pioneer); February 17, 1954 (LADWP No. 38842)

APPENDIX D

DPR Forms

State of California ♦ The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 **of** 13 ***Resource Name or #:** (Assigned by recorder) 12300 West Nebraska Avenue.
P1. Other Identifier: West Los Angeles Department of Water and Power Yards
***P2. Location:** ☐ **Not for Publication** ■ **Unrestricted**
***a. County** Los Angeles **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Beverly Hills **Date** 2015 **T** 1S ; **R** 16W ; SE ¼ **of** SE 1/4 **of Sec** 0 ; SB **B.M.**
c. Address 12300 West Nebraska Avenue City Los Angeles Zip 90025
d. UTM: (Give more than one for large and/or linear resources) Zone 11S, 365257 mE/ 3766921 mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)
AINs: 4259018902. The subject property is bound by Nebraska Avenue to the northwest; a light industrial property to the northeast; a light industrial property and parking garage to the southeast; and the LADWP 1840 Centinela Avenue transformer yard to the southwest. The subject property is located at 12300 West Nebraska Avenue, in the City of West Los Angeles.

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
The subject property is located on the southwest side of West Nebraska Avenue on a large, industrial parcel. The site contains five buildings and structures, outdoor storage, several temporary structures, a crane, and parking areas. The northwestern portion of the property contains five buildings/structures that date from the 1953 to 1966 (Figure 1, see Continuation Sheet): 1) the locker room (1953); 2) the warehouse (1953); 3) the fleet shop (1956); 4) the district office building (1959); 5) the break room (1966). **See Continuation Sheet.**

***P3b. Resource Attributes:** (List attributes and codes) HP8 Industrial Building; HP9 Public Utility Building
***P4. Resources Present:** ■ Building ■ Structure ☐ Object ■ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession #) View of property from west Nebraska Avenue; looking southeast (10-11-2017; IMG 3881)

***P6. Date Constructed/Age and Source:** ■ Historic ☐ Prehistoric ☐ Both
1953-1966

***P7. Owner and Address:**
Los Angeles Department of Water and Power
12300 West Nebraska Avenue
Los Angeles, CA 90025

***P8. Recorded by:**
Kate Kaiser and Sarah Corder, Dudek
38 N Marengo Ave.
Pasadena, CA 91101

***P9. Date Recorded:** 10/11/17

***P10. Survey Type:** (Describe)
Intensive pedestrian

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
Cultural Resources Report for the Los Angeles Department of Water and Power West Los Angeles District Yard Project, Los Angeles, California. Dudek 2017.

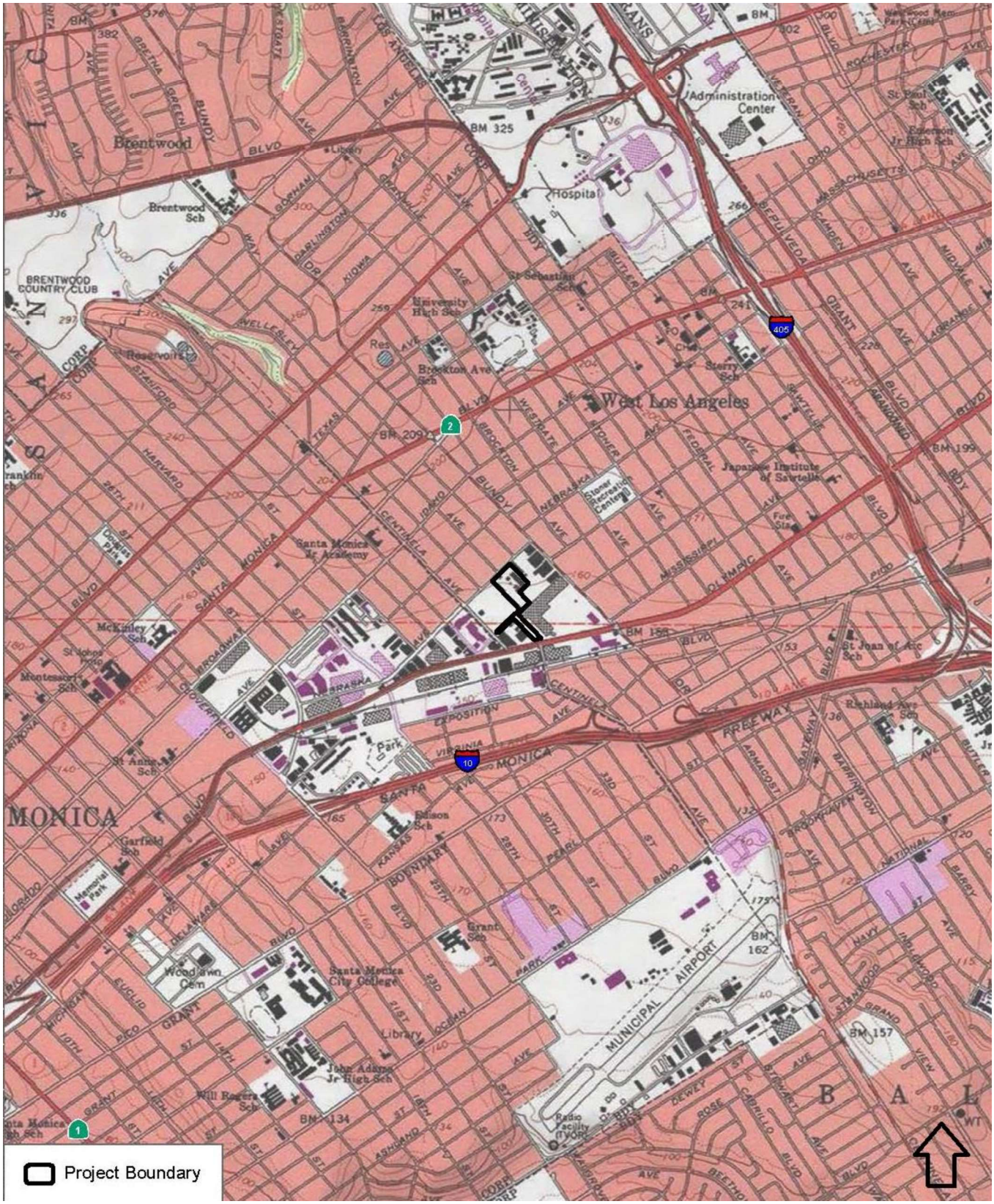
***Attachments:** ☐NONE ■Location Map ■Continuation Sheet ■Building, Structure, and Object Record
☐Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record ☐Artifact Record
☐Photograph Record ☐ Other (List):

State of California ☙ Natural Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary #
HRI#
Trinomial

Page 2 **of** 13 ***Resource Name or #** 12300 West Nebraska Avenue
***Map Name:** Beverly Hills, California ***Scale:** 1:24,000 ***Date of map:** 1995



BUILDING, STRUCTURE, AND OBJECT RECORD

***Resource Name or #** (Assigned by recorder) 12300 West Nebraska Avenue ***NRHP Status Code** 6Z
Page 3 **of** 13

B1. Historic Name: West Los Angeles Underground Headquarters
B2. Common Name: West Los Angeles Department of Water and Power Yards
B3. Original Use: Office operations, equipment storage, vehicle storage and maintenance
B4. Present Use: Office operations, equipment storage, vehicle storage and maintenance
***B5. Architectural Style:** Industrial; Mid-Century Modern
***B6. Construction History:** (Construction date, alterations, and date of alterations)
Original construction began on the property circa 1953 and continued through present. (see continuation sheets for detailed information pertaining to construction history)

***B7. Moved?** ■No ☐Yes ☐Unknown **Date:** _____ **Original Location:** _____
***B8. Related Features:**
B9a. Architect: _____
b. Builder: _____
***B10. Significance: Theme** n/a **Area** n/a

Period of Significance n/a **Property Type** Industrial **Applicable Criteria** N/A
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

Historic aerial photographs for the project area were available for the following years: 1947, 1952, 1964, 1967, 1972, 1980, 1989, 1994, 2002, 2003, 2004, 2005, 2006, 2009, 2010, 2011, 2012, and 2014 (NETR 2017; CSM 2017). The 1947 aerial photograph shows the project area prior to development. In 1947, the property appears to be undeveloped land or an agricultural field, surrounded by other undeveloped lots, and bounded to the northwest by a residential neighborhood, and the Olympic Drive-In movie theater is visible southeast of the site. The 1952 aerial photograph also shows the site prior to development; however, the 12270-72 lot immediately northeast was being used as a light industrial area and contained three structures. Residential areas still surround the site to the northwest and southwest.

The first historic aerial photograph in which the LADWP West Los Angeles District Headquarters appears is the 1964 aerial photograph. This aerial has four buildings visible in their current locations: the locker room, warehouse/tool room, warehouse/fleet shop, and district office. Immediately southwest is the LADWP transformer yard. The 12270-72 lot immediately northeast gains one new building and a (see Continuation Sheet).

B11. Additional Resource Attributes: (List attributes and codes) _____
B12. References: See Continuation Sheet
B13. Remarks:
***B14. Evaluator:** Kate Kaiser
***Date of Evaluation:** November 13, 2017

(This space reserved for official comments.)

***P3a. Description:** (continued)

Figure 1. Overview of Site Showing Buildings 1 through 5 and other structures

Building 1, Locker Room, 1953

The subject property is a Mid-Century Modern building constructed in 1953, facing northeast towards a central, paved corridor road that runs the length of the tax lot (Figure 2). The one-story building is currently used as a restroom, shower, locker room, and exercise area for employees. The building features a flat roof hidden by a parapet wall topped with a rounded coping; however, the roof structure was not visible. The walls are constructed of painted concrete masonry units arranged in running bond, with a decorative stringer course and water table course that protrude from the wall surface of the building a few inches, and rounded concrete masonry units at the building corners, window openings, and door openings. The walls meet the surrounding pavement without any special decorative or visually distinguished foundation element.

Figure 2. Building 1, Locker Room. View to west. 10/11/2017 (IMG 4050)

Building 2, Warehouse – Tool Room, 1953

The subject property is a Mid-Century Modern building constructed in 1953, facing northeast towards a central, paved corridor road that runs the length of the tax lot (Figure 3). The one-story building is currently used as a warehouse for electrical equipment, employee personal protective equipment, and tools. The building features a shallow arched roof with seven wood-and-steel I-beam bowstring trusses supporting diagonally laid wood board sheathing beneath composite roofing material. According to LADWP archival photographs, the roof was sealed with Pioneer C-13-C4 Asphalt emulsion (Appendix C). The walls are painted concrete masonry units laid in running bond and extend above the roof to form a tall parapet wall. At the base of the wall is a

smooth, concrete course roughly 3 feet in height that is flush with the rest of the concrete masonry units wall. The warehouse has loading bays, doors, and windows on all its elevations.

Figure 3. Building 2. View to south. 10/11/2017 (IMG 4077)

Building 3, Warehouse – Fleet Shop, 1956

The subject property is a Mid-Century Modern building constructed in 1956, facing northeast towards a central, paved corridor road that runs the length of the tax lot (Figure 4). The one-story building is currently used as a warehouse for storing fleet vehicles, electrical equipment storage, a wash bay, and as a machine shop for equipment repairs. The building features a low-pitched, side-gabled roof supported by steel I-beam rafters and purlins. There is no sheathing, and the roof is clad in corrugated galvanized steel sheets with no eaves. The roofline is occasionally interrupted by regularly spaced rotating metal roof vents. The walls are clad in vertically oriented, corrugated galvanized steel sheets and attached to a steel I-beam frame system with metal bolts and screws. The structural framing is arranged around I-beam posts that attach to I-beam principal rafters at the roof, effectively dividing the building into 16 bays. Each of these I-beam bents have horizontal metal studs bracing and connecting them, as well as I-beam purlins bracing the structure in the roof. The I-beam bents are attached to the ground at small concrete plinths.

Figure 4. Building 3. View to west. 10/11/2017 (IMG 0014)

Building 4, District Office, 1959

The subject property is a Mid-Century Modern building constructed in 1959, facing southwest towards a central, paved corridor road that runs the length of the tax lot (Figure 5). The two-story building is currently used as an office and record storage area. The building features a flat roof behind a low parapet wall, but the roof structure was not visible. The walls are painted concrete masonry units laid in uniform running bonds from roof to foundation. The building foundation is a concrete pad. Building 4 has several distinctive modernistic decorative character-defining features: modern sans-serif metal lettering on the northwest elevation, horizontal metal awning screens running the length of buildings over the tops of windows as a screen on three of four elevations, and a pierced concrete block privacy wall on the southwest elevation.

Figure 5. Overview of Building 4. View to North. 10/11/2017 (IMG 4138)

Building 5, Break Room, 1966

The subject property is a Mid-Century Modern building constructed in 1966, facing southwest towards a central, paved corridor road that runs the length of the tax lot (Figure 6). The one-story building is currently used as a break room, kitchen, vehicle storage, and employee classroom. The building features a flat roof behind a low parapet wall, but the roof structure was not visible. The walls are painted concrete masonry units blocks laid in uniform running bonds from roof to foundation. The building foundation is a concrete pad. Each elevation features a different window and door schedule, as well as some flat, metal awnings that recall the design of the horizontal metal window awnings at Building 4, District Office.

Figure 6. Building 5. View to east. 10/11/2017 (IMG 4013)

***B10. Significance (Continued):**

designated parking lot. In the 1967 aerial photograph, the break room (then recorded as another tool room) appears southeast of the district office and north of the warehouse/tool room.

There are few notable additions to the site after the 1967 aerial photograph. Various small storage structures appear on the 1972 aerial photograph, including four storage structures in the southeast locus of the site and small structures between the five other buildings. Between the 1972 and 1980 aerial photographs, the crane feature northeast of the warehouse/fleet shop appears. Between the 1980 aerial photograph and the 1989 aerial photograph, all buildings in the 12270-72 lot are demolished. This is supported by demolition permits recorded at the Los Angeles Building and Safety online database. One new building does appear on the 12270-72 lot in the 1994 aerial photograph, but there are no discernable changes to the 12300 lot or transformer yard. The building on the 12270-72 lot is demolished sometime after 2014 (the most recent available aerial photograph for the area); the building was not present during the site visit (NETR 2017; CSM 2017).

Construction and Ownership History

The LADWP acquired several parcels of land in the West Los Angeles/Sawtelle neighborhood in the 1940s. These lots had once belonged to Anthony Frabisilio and Michael Frabisilio, who kept agricultural fields and some outbuildings on the property, moving a barn from a property along West Pico Boulevard and erecting a new house on the lot. Since aerial photographs of the area only go back as far as 1947,

Sanborn insurance maps do not picture the property, and there are no other permits on file at City of Los Angeles, it was not possible to reconstruct the property chronology or establish a pattern of ownership beyond the 1940s (Los Angeles Department of Buildings and Safety (LADBS) permits 1943LA03992, 1944WL70482; Ancestry 2017).

LADWP began acquiring land for a Distribution Station at 11700 Nebraska Avenue, several blocks away from the subject property. Distribution Station 28 was completed in 1947 and was an imposing Art Moderne-style structure. Distribution stations are used to transfer power from the transmission system to a specific service area. Distribution Station 28 served the industrial and residential areas in West Long Angeles, where locally owned and distributed city utilities were in high demand. Before the West Los Angeles District Office was built, Distribution Station 28 acted as the West Los Angeles headquarters (LADWP 1954).

In 1953, LADWP acquired the property at 12300 West Nebraska Avenue, the subject property. Prior to its acquisition, the lot held an agricultural field, adjacent to many other fields around it. A drive-in movie theater named the Olympic Drive-in Theater was located east of the property. West of the property was a residential neighborhood. The site's original plan included five buildings that faced each other along a corridor of vehicle parking. The first two buildings built on the lot were a locker room for employees and a warehouse completed in 1953. In 1954, Department of Water and Power began construction on Receiving Station K at 1840 Centinela Avenue (located south of the project site) and its transformer yard. These were adjacent to the subject property and likely planned, built, and opened at the same time. Receiving Station K went into service in 1955 (Permit 1954LA02220). In 1956, a third structure was constructed on the site, this time a fleet shop for vehicle storage. In 1959, the main office building was finished. In 1966, a fifth building, then characterized as a tool room, was added. According to each building permit, all buildings were designed and built by engineers and journeymen already employed by the LADWP (LADWP 1954; NETR 2017).

Though the engineers listed on the Department of Water and Power permits were employees, they were responsible for several buildings on site. Very little career information could be found for the engineers. Because they were not contracted, there is no engineering or architecture firm associated with their work. No architects, licensed or not, were associated with the five buildings at the West Los Angeles District Headquarters. The following four LADWP engineers are responsible for the design of the buildings at the West Los Angeles District Headquarters.

- J.S. Dorfman, CA License 6948, Locker Room (Building 1) and Warehouse (Building 2), 1953
- J. Case, CA License 5249, Fleet Shop (Building 3), 1956
- R.L. White, MA License, 4-4211, Office Building (Building 4), 1959
- James H. Anthony, CE 15318, Break Room (Building 5), 1966

Significance Evaluations

NRHP/CRHR Criteria

The development of the West Los Angeles Department of Water and Power Yards site began in the early 1953 and has historically operated as LADWP yard since. The property continued to develop, grow, and change throughout its history, with the addition of numerous buildings, temporary structures, parking areas, and storage areas to support the use of the property as a working LADWP yard. The following provides an evaluation of the concrete batch plant at 12300 West Nebraska Avenue in consideration of NRHP/CRHR designation criteria and integrity requirements.

Criterion A/1: Associated with events that have made a significant contribution to the broad patterns of our history.

Archival research did not identify any associations with events that have made a significant contribution to the broad patterns of local or regional history. The subject property is one of at least 33 LADWP buildings from approximately the same period of construction (1945-1955) and lacks "a direct association with the physical growth of the City of Los Angeles during the 1902–1980 period" (Prosser 2017). These buildings are unrelated to major events in Los Angeles or LADWP history and do not clearly reflect the transition from architect-designed, monumental public utility buildings, to reducing the scale to make less impressive buildings. The buildings are not associated with any locally important events in the Sawtelle neighborhood history. Although the increase in LADWP facilities does correlate with the post-WWII population boom that occurred in the mid-century, the headquarters themselves did not provide power for the West Los Angeles area, and appear to have played a supporting role for the nearby Distribution center and for workers and journeymen stationed in the area. The role the site plays is strongly related to equipment and vehicle storage. Due to a lack of significant associations with events important to history, the subject property does not appear eligible under NRHP/CRHR Criteria A/1.

Criterion B/2: Associated with the lives of persons significant in our past.

All engineers and worker names identified with the subject property were researched for possible significance. Archival research failed to indicate any associations with significant persons. This building has no known associations with any important figures in LADWP or City of Los Angeles history. For these reasons, the subject property does not appear eligible under NRHP/CRHR Criteria B/2.

Criterion C/3: Embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

There is a corresponding Los Angeles Citywide Historic Context statement available for Municipal Water and Power Buildings against which this site was evaluated. Under the property type "Administrative Buildings and Service Yards," the subject property does fall within the period of significance (1902–1980) and is associated with water and power administration and maintenance, per the eligibility standards. However, the

buildings lack many of the character defining and associative features required. This includes "retaining a significant lobby," which no building on this property has. This building also lacks prominent signage. Though Building 4 does have signage that faces out onto West Nebraska Avenue but this signage is unobtrusive, sans-serif all-capitals lettering made of unadorned metal and attached directly to the side of the building. The site has no significant landscape features and a wall obscured most buildings from the street. The site is not related to a significant architectural or engineering theme because notable architects or engineers did not design the site. There are other buildings built by LADWP during the 1953–1966 period of construction that better suit the criteria laid out in the Los Angeles Citywide Historic Context for Water and Power (Prosser 2017).

In broader terms, during the mid-20th century, the simple aesthetic of Modern-style architecture began to overshadow the more ornate revival styles, signaling a shift in focus from art to function. Affordable, mass-produced materials, simple, boxy forms, and an emphasis on sleekness over applied ornament are hallmarks of the Mid-Century Modern style. The subject property is a collection of buildings built between 1953 and 1966, at a time when the LADWP was expanding to meet the demands of a rapidly growing Los Angeles population that was expanding westward. The LADWP would have keenly felt the appeal of buildings that could be built cheaply, quickly, and remain functional. Nearly all LADWP buildings built between 1945 and 1965 have modernism references or embody the simple and functional elements of the Mid-Century Modern style.

Each building on the subject property has experienced little alteration in plan or function and retains moderate levels of integrity in location, setting, feeling, and association. Integrity of design, material, and workmanship is lower due to material changes and use changes in these buildings. All buildings retain their original locations and orientations, and all buildings remain associated with the LADWP as they are set within an operational and active LADWP Yard. Buildings 1, 2, 4, and 5 have no major changes to the design/intention of the buildings, with only minor material and workmanship compromises for changes to windows or doors. Building 3 exhibits the most alterations and retains lower integrity of materials, design, and workmanship and has visibly distinguished new metal cladding materials. Integrity of design is also compromised on Building 3, as interior alterations have closed some bays and changed their intended function. The style is relatively unremarkable and may be indistinguishable from other Department of Water and Power neighborhood headquarters throughout Los Angeles. The buildings are not the work of a master architect or important creative individual, and the subject property does not appear eligible as a contributor to a historic district. For all of these reasons, the subject property does not appear eligible under NRHP/CRHR Criteria C/3.

Criterion D/4: Have yielded, or may be likely to yield, information important in prehistory or history.

There is no evidence to suggest that this property has the potential to yield information important to state or local history, nor is it associated with a known archaeological resource. Therefore, the property is recommended not eligible under NRHP/CRHR Criterion D/4.

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APPENDIX C

Geotechnical Investigation Report and Paleontological Records Search

City of Los Angeles
Department of Water and Power

Power Engineering Division
Geology and Soils Group

GEOTECHNICAL INVESTIGATION REPORT

West Los Angeles District Yard Improvement Project
12300 West Nebraska Avenue
Los Angeles, California 90025

February 28, 2018

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1.0 INTRODUCTION

1.1 PURPOSE

This report presents the results of a geotechnical investigation for the design and construction of the West Los Angeles District Yard Improvement Project, which will replace the existing facility in the Los Angeles Department of Water and Power (LADWP) West Los Angeles District Yard with three new buildings, an underground parking structure, and an underground gas tank. The purpose of this investigation was to evaluate the subsurface soil and geologic conditions underlying the site, and provide conclusions and recommendations pertaining to the geotechnical aspects of the proposed structures based on the conditions encountered.

1.2 SITE AND PROJECT DESCRIPTION

The West Los Angles District Yard is located at 12300 West Nebraska Avenue in the Sawtelle District of the City of Los Angeles, California (see Location Map, Figure 1). The property information is as follows:

- Parcel Tract Santa Monica-Sawtelle, Lots 20 (east half), 21 and 25; and
- Assessor's Parcel Number (APN) 4259-018-901, 4259-018-902 (east half) and 4259-019-900.

The yard consists of a 6.34-acre irregular shaped parcel and is bounded by West Nebraska Avenue to the northwest, LADWP Receiving Station "K" and 3 single-story commercial/industrial structures to the southwest, West Olympic Boulevard and a two-story commercial/industrial structure to the southeast, and 2 single-story commercial/industrial structures and a three-story parking structure to the northeast.

The yard is currently occupied by the following structures: 1) a two-story office structure, 2) a single-story office structure, 3) a single-story locker structure, 4) 2 single-story warehouse structures, 5) a single-story garage (fleet) structure, 6) a loading crane and control room, 7) 3 fuel stations, and 8) various asphalt or concrete paved parking lots, driveways and storage areas. All the existing structures appear to be at or near present grade. The site is relatively level to gently sloping to the south with 10 feet of total vertical relief across the site. Surface water drainage appears to be by sheet flow along the ground surface toward storm drains and the city streets. Vegetation at the site is non-existent due to the paved nature of the site.

Based on a review of preliminary architectural plans provided by the LADWP Power Engineering Division (PED) Architectural Engineering Design Group, the purpose of this project is to enhance the workplace quality, improve safety, provide functional efficacy and efficiency, integrate sustainability into the project design, and enhance site aesthetics. The current structures on site are aging and will be unable to support the planned increase in staff at the facility. Furthermore, the current site layout does not allow for much room for fleet vehicles to maneuver. The proposed project will provide additional capacity for employees and more room for vehicles, thereby reducing congestion at the facility and improving overall operating conditions.

This project will involve the demolition of all existing structures and construction of new structures on the same site as the existing West Los Angeles District Yard.

The structures to be demolished are the existing district office, warehouse, break room, locker room, and fleet shop. Three new buildings will be constructed in their place: 1) a warehouse and fleet shop (22,915 square feet), 2) a district yard office (19,900 square feet), and 3) an exterior storage area (18,500 square feet). These new buildings will consolidate all of the functions of the demolished buildings. Additionally, the existing straddle crane will be relocated closer to the entrance along Olympic Boulevard. The proposed structures will be one to two stories in height. All buildings will include photovoltaic solar panels on rooftops.

One existing fueling station is present at the yard site. It will be removed. New unleaded and diesel fuel tanks will be placed underground, and a new compressed natural gas (CNG) tank will be placed aboveground. Additionally, an approximate 75,284-square foot underground parking structure will be constructed. The one story underground parking lot will contain a total of 204 parking spaces to be used by employee vehicles. The lot will also include new electric vehicle charging stations. A surface parking lot will also be constructed and will contain 61 parking spaces for a variety of LADWP service vehicles. All fleet vehicle parking, consisting of a total of 32 oversized parking spaces, will be located in the surface parking lot.

1.3 SCOPE OF WORK

The geotechnical scope of work for this project included the following tasks:

- Review and interpretation of available relevant information;
- Site reconnaissance;
- Field investigation consisting of drilling, sampling, and logging 7 exploratory borings;
- Laboratory testing of selected bulk and relatively undisturbed soil samples;
- Engineering analyses to develop design and construction recommendations; and
- Preparation of this report presenting our findings, conclusions, and recommendations.

2.0 FIELD INVESTIGATION AND LABORATORY TESTING

2.1 PREVIOUSLY AVAILABLE GEOTECHNICAL INFORMATION

In 2004 for a proposed new administration building in the yard, the LADWP PED Geology and Soils Group performed a field investigation that consisted of three hollow-stem auger (HSA) boreholes (HSA-1 through HSA-3) and six cone penetrometer test (CPT) soundings (CPT-1 through CPT-6). Laboratory testing was conducted on the samples obtained from the three boreholes. The results of the field investigation and laboratory testing were presented in an unpublished report prepared by the LADWP PED Geology and Soils Group.

The logs of the boreholes and CPTs and results of the laboratory testing are included in Appendix A.

2.2 FIELD INVESTIGATION

Existing soil data was deemed insufficient for design of the proposed project. Therefore, a field investigation program was performed under the supervision of the LADWP PED Geology and Soils Group. This program consisted of drilling and sampling seven exploratory borings (B-1 through B-7) on July 6, 10, and 11, 2017 by the Los Angeles Department of General Services – Standards Division (General Services) with a truck-mounted Central Mine Equipment (CME) Model-75HT drill rig using 7-inch diameter hollow stem augers.

The borings were located throughout the West Los Angeles District Yard and advanced to depths between 20½ and 50½ feet below the existing ground surface (bgs). The approximate locations of the exploratory borings are shown on the Site Plan, Figure 2. Boring information (including boring number, date drilled, ground surface elevation, depth and approximate location) is summarized in Table 1.

TABLE 1. EXPLORATORY BORING INFORMATION

Boring No.	Date of Drilling	GSE (feet)	Depth bgs (feet)	Approximate Location of Boring	
				Latitude (°)	Longitude (°)
B-1	7/10/17	165	40.5	34° 2' 5.5788"	-118° 27' 33.199"
B-2	7/10/17	162	50.5	34° 2' 3.0696"	-118° 27' 30.294"
B-3	7/6/17	163	40.5	34° 2' 3.2964"	-118° 27' 35.327"
B-4	7/6/17	161	40.5	34° 2' 2.8284"	-118° 27' 33.138"
B-5	7/11/17	160	50.5	34° 2' 0.7764"	-118° 27' 32.148"
B-6	7/11/17	159	25.5	34° 2' 0.4488"	-118° 27' 30.737"
B-7	7/11/17	158	20.5	34° 1' 57.054"	-118° 27' 30.852"

Notes:
(1) GSE = Ground Surface Elevation.
(2) bgs = below ground surface.

Representative and relatively "undisturbed" samples were obtained from the test borings at various intervals utilizing a 3½-inch outside diameter (O.D.) by 3-inch inside diameter (I.D.) California Modified Split Spoon sampler (Cal-Mod) lined with 2⅞-inch I.D. by 1-inch high brass rings. The sampler was driven into the soil with the weight of a 140-pound automatic trip hammer falling approximately 30 inches. Standard Penetration Tests (SPTs), per the American Society for Testing and Materials (ASTM) D1586 standard, were also performed at various intervals utilizing a 2-inch O.D. by 1⅜-inch I.D. split spoon sampler driven 18 inches. The driving energy was provided by a 140-pound automatic trip hammer dropped 30 inches. The Cal-Mod and SPT blow counts were recorded and bulk samples were obtained.

The soil conditions encountered in the borings were visually examined, classified, and logged in general accordance with the Unified Soil Classification System (USCS). The boring logs depict the soil and geologic conditions encountered and the depth at which samples were obtained. All samples were then sealed, labeled, and transported to the LADWP Water System Soil & Materials Test Lab (SMTL) for testing. The boring logs are included in Appendix B.

2.3 LABORATORY TESTING

The Water System SMTL performed laboratory tests on selected samples from the field investigation. Laboratory tests were conducted in accordance with current ASTM standards. The following laboratory tests were conducted:

- Soil Classification (ASTM D-2487)
- Moisture Content (ASTM D-2216)
- In-Place Density (ASTM D-2937)
- Grain Size Distribution (ASTM D-422)
- Atterberg Limits (ATM D-4318)
- No. 200 Wash (ASTM D-1140)
- Direct Shear (ASTM D-3080)
- Soil Corrosivity (ASTM G-57)
- One-dimensional Consolidation (ASTM-D2435)
- Compaction (ASTM-D1557)
- Permeability (ASTM-D5084)

The test results are presented in Appendix C. In-situ moisture content and dry density test results are also shown on the boring logs.

3.0 GEOLOGICAL AND GEOTECHNICAL FINDINGS

3.1 REGIONAL GEOLOGIC AND SEISMIC SETTING

The site is located along the northwestern portion of the Los Angeles Basin within an area known as the Santa Monica Plain. The Los Angeles Basin is a coastal plain between the Santa Monica Mountains to the north, the Puente Hills and Whittier fault to the east, the Palos Verdes Peninsula and Pacific Ocean on the west, and the Santa Ana Mountains and San Joaquin Hills on the south. The Los Angeles Basin is located in the northern portion of the Peninsular Ranges geomorphic province and is northwest-trending alluviated lowland plain, sometimes called the Coastal Plain of Los Angeles. The basin is underlain by a deep structural depression, which has been filled by both marine and continental sedimentary deposits, which rest on a basement complex of presumably igneous and metamorphic composition (Yerkes et al., 1965). The basement surface within the central portion of the basin extends to a maximum depth of 32,000 feet below sea level. The prominent structural features within the Los Angeles Basin include the central lowland plain, the uplifted Palos Verdes Hills, and the northwest trending line of low hills and mesas (underlain by the Newport-Inglewood fault zone).

The late Pleistocene age Santa Monica Plain extends from the Pacific Ocean inland to the Newport-Inglewood belt of hills (Cheviot Hills) and from the Santa Monica Mountains on the north to the Ballona escarpment on the south. The Santa Monica Plain is underlain by upper Pleistocene age Lakewood Formation, which consists of older alluvial fan material deposited as a result of uplift of the Santa Monica Mountains and dissected by various channels draining from the Santa Monica Mountains. Renewed uplift has caused erosion of these materials, leaving an incised Lakewood surface locally blanketed with younger alluvium.

Topography at the LADWP West Los Angeles District Yard is relatively flat to gently sloping down to the south. Topographic elevations across the subject site ranges from a topographic high of 166 feet above mean sea level (MSL) along the northern corner of the site to a topographic low of 156 feet MSL along the southern most corner of the site (LADPW, 2017). A topographic map of the site is presented in Figure 3.

3.2 SITE GEOLOGY AND GEOLOGIC MATERIALS

Based on our field exploration and published geologic maps of the area, the yard site is underlain by a thin layer of artificial fill over Holocene age alluvial deposits consisting of poorly consolidated sand, silt, clay and gravel extending approximately 60 feet below the existing ground surface (CDWR, 1961). The Holocene sediments are underlain by marine and continental sediments of the Pleistocene Age Lakewood Formation (CDWR, 1961). The Pleistocene age sediments were not encountered during our field exploration. The site is shown with respect to local geologic features in Figures 4 through 7, Local Geologic Maps. The soil and geologic units encountered are discussed hereon. Stratigraphic profiles are provided on the Boring Logs in Appendix B.

3.2.1 Artificial Fill

A thin layer of artificial fill was observed in all of our field explorations to a maximum depth of 2 feet bgs. The artificial fill generally consists of a mix of dark brown to dark reddish brown sandy silt and sandy clay with various amounts of gravel and construction debris. The fill is generally characterized as soft to firm and slightly moist to moist. The fill is likely the result of past grading, construction and/or demolition activities at the site. Deeper fill may exist in other portions of the site that were not directly explored.

3.2.2 Alluvium

The artificial fill is underlain by poorly consolidated Holocene age alluvial deposits (CDWR, 1961; Dibblee, 1991). As observed during our field investigation the alluvium generally consists of interbedded dark brown to dark olive brown to dark reddish brown poorly graded sand, silty sand, sandy silt, silt, sandy clay and clay with varied amounts of gravel. The soils are primarily slightly moist to wet and soft to hard or loose to dense and become denser with increased depth. The soils consist primarily of sediments and fragments derived from the Santa Monica Slate in the nearby Santa Monica Mountains and other sediments from associated drainages.

3.3 GROUNDWATER

Based on a review of the California Division of Mines and Geology (CDMG) Seismic Hazard Evaluation of the Beverly Hills 7.5 Minute Quadrangle, Los Angeles County, California (CDMG, 1998), the historically highest groundwater level beneath the site is approximately 32 feet bgs. Groundwater information presented in this document is generated from data collected in the early 1900s to the present. However, based on current groundwater basin management practices, it is unlikely that groundwater levels will ever reach or exceed the historically highest levels. In 2001, the California Division of Mines and Geology changed its official name to the California Geological Survey (CGS).

The Los Angeles County Department of Public Works (LACDPW) maintains various wells in the vicinity of the subject site. The closest active wells to the site are Well No. 2546K and 2546L located approximately 100 feet east and 130 feet west of the site, respectively (LACDPW, 2017).

Review of the monitoring data over the past 42 years for Well No. 2546K indicates that the depth to groundwater has fluctuated between 95.8 and 239.8 feet bgs. The most recent groundwater level measurement for Well No. 2546K was taken in April 2009 at a depth of 175.8 feet bgs (LACDPW, 2017).

Review of the monitoring data over the past 33 years for Well No. 2546L indicates that the depth to groundwater has fluctuated between 114.0 and 173.0 feet bgs. The most recent groundwater level measurement for Well No. 2546L was measured in April 2009 at a depth of 115.0 feet bgs (LACDPW, 2017).

A static groundwater table was not encountered in any our exploratory borings, drilled to a maximum depth of 50½ feet bgs. However, minor seepage was encountered in borings B-2 and

B-5 at depths of 45 feet and 40 feet bgs, respectively.

Based on these considerations and current groundwater management practices, the static groundwater table is expected to be encountered below a depth of 90 feet bgs. Therefore, groundwater is not expected to be encountered during construction or to have a detrimental effect on the project. However, it is not uncommon for groundwater levels to vary seasonally or for groundwater seepage conditions to develop where none previously existed, especially in impermeable fine-grained soils that are subjected to excessive irrigation or heavy precipitation. Proper surface drainage of irrigation and precipitation will be critical to future performance of the proposed facility.

4.0 GEOLOGIC HAZARDS

4.1 FAULTING AND SURFACE FAULT RUPTURE

Faults in Southern California include active, potentially active, and inactive faults. The determination for these major groups is based on the criteria developed by the CGS for the Alquist-Priolo Earthquake Fault Zone Program (Bryant and Hart, 2007). By definition, an active fault is one that has had surface displacement within Holocene time (about the last 11,000 years). A potentially active fault has demonstrated surface displacement during Quaternary time (approximately the last 1.6 million years), but has had no known Holocene movement. Faults that have not moved in the last 1.6 million years are considered inactive.

The site is not within a currently established Alquist-Priolo Earthquake Fault Zone for surface fault rupture hazards. No active or potentially active faults with the potential for surface fault rupture are known to pass directly beneath the site. Therefore, the potential for surface rupture due to faulting occurring beneath the site during the design life of the proposed development is considered low. The site, however, is located in the seismically active Southern California region, and could be subjected to moderate to strong ground shaking in the event of an earthquake on one of the many active Southern California faults. Active and potentially active faults in the vicinity of the site are shown in Figures 8 through 10, Regional Fault Map.

The closest surface trace of an active fault to the site is the north strand of the Santa Monica Fault Zone located approximately 2,260 feet (0.428 miles) north of the site (LADPW, 2017). The Santa Monica Fault is an east-west trending, north-dipping fault located along the southern edge of the Santa Monica Mountains extending from the Santa Monica coastline on the west to the west Beverly Hills escarpment on the east. Current research by Dolan et al. (1992, 1997, and 2000), Pratt et al. (1998), Catchings et al. (2008) and other investigators indicate that the Santa Monica fault is separated into a northern strand and a southern strand, which dip to the north and merge at a depth of approximately 2 kilometers. The northern strand of the Santa Monica fault is a steeply dipping fault (60º-70º) exhibiting a prominent south facing scarp and Holocene activity (Dolan et al., 2000). The north strand of the Santa Monica fault is considered active by the State Geologist and there is documented Holocene activity at several locations including the nearby VA Hospital and University High School. The southern strand of the Santa Monica fault, located 6,000 feet (1.14 miles) west of the site (LADPW, 2017), is a moderately dipping fault with activity calculated between late Miocene to late Pliocene with the southern strand terminating at a depth of about 1 km below the ground surface. No known Quaternary activity has been documented along the south strand of the Santa Monica fault, therefore the fault is not considered “active” by the State Geologist.

Other nearby active faults are the Newport-Inglewood fault zone, the Hollywood fault, the Palos Verdes fault and an “unnamed” fault located approximately 3.5 miles east, 4.4 miles northeast, 9.5 miles southwest and 9.5 miles southwest of the site, respectively (Jennings et al., 2010). The active San Andreas fault zone is located approximately 41 miles northeast of the site (Jennings et al., 2010).

The closest potentially active fault to the site is the Overland fault located approximately 2.3 miles east of the site (Jennings et al., 2010). Other nearby potentially active faults are the Charnock fault, the Anacapa fault, and the MacArthur Park fault located approximately 4.0 miles south-southeast, 5.0 miles west (Jennings et al., 2010) and 9.1 miles northeast (Dolan, 1997) of the site, respectively.

Several buried thrust faults, commonly referred to as “blind" thrusts, underlie the Los Angeles Basin and the Orange County Coastal Plain, at depth. These faults are not exposed at the ground surface and are typically identified at depths greater than three kilometers. The October 1, 1987 moment magnitude (Mw) 5.9 Whittier Narrows earthquake and the January 17, 1994 Mw 6.7 Northridge earthquake were a result of movement on buried thrust faults. These thrust faults are not exposed at the surface and do not present a potential surface fault rupture hazard; however, these features are considered active and are capable of generating future earthquakes.

4.2 STRONG GROUND MOTION

Located within Southern California with its well-known history of seismic activity, the West Los Angles District Yard is subject to the effects of moderate to large seismic events. An internet database search of the historical seismic record and United States Geological Survey data (USGS, 2017) indicates that between 1900 and 2017, approximately 34 earthquakes of Richter scale magnitude 5.0 or greater occurred along faults within 62 miles (100 km) of the site. A partial list of the most significant moderate to major earthquakes that have occurred in Southern California within the last 100 years is provided in Table 2 (USGS, 2017; SCEDC, 2017).

TABLE 2. HISTORICAL EARTHQUAKES

Earthquake (Oldest to Youngest)	Date of Earthquake	Magnitude	Distance to Epicenter (Miles)	Direction to Epicenter
Lake Elsinore area	May 15, 1910	6.0	61	ESE
San Jacinto-Hemet area	April 21, 1918	6.8	93	ESE
Near Redlands	July 23, 1923	6.3	70	E
Long Beach	March 10, 1933	6.4	44	SE
Tehachapi	July 21, 1952	7.5	74	NNW
San Fernando	February 9, 1971	6.6	26	N
Whittier Narrows	October 1, 1987	5.9	22	E
Sierra Madre	June 28, 1991	5.8	22	NE
Landers	June 28, 1992	7.3	118	E
Big Bear	June 28, 1992	6.4	91	E
Northridge	January 17, 1994	6.7	13	NNW

Each of these earthquakes caused significant property damage and resulted in fatalities. In terms of property damage, the Northridge earthquake was one of the worst natural disasters in U.S. history. The earthquake produced unusually strong ground accelerations as large as 1.8g.

The site could be subjected to strong ground shaking in the event of an earthquake. However, this hazard is common in Southern California and the effects of ground shaking can be mitigated

if the proposed structures are designed and constructed in conformance with current building codes and engineering practices.

4.3 LIQUEFACTION POTENTIAL

Liquefaction is a phenomenon in which loose, saturated, relatively cohesionless soil deposits lose shear strength during strong ground motions. Primary factors controlling liquefaction include intensity and duration of ground motion, gradation characteristics of the subsurface soils, in-situ stress conditions, and the depth to groundwater. Liquefaction is typified by a loss of shear strength in the liquefied layers due to rapid increases in pore water pressure generated by earthquake accelerations.

According to the State of California Earthquake Zones of Required Investigation, Beverly Hills Quadrangle Map (CGS, 2017) (see Figures 11 and 12), the southernmost portion of the subject site is located within a liquefaction hazard zone. In addition, according to the County of Los Angeles Seismic Safety Element (Leighton, 1990) and the City of Los Angeles Safety Element (1996), the southernmost portion of the site is located within an area identified as having a potential for liquefaction.

The current standard of practice, as outlined in the "Recommended Procedures for implementation of DMG Special Publication 117A, Guidelines for Analyzing and Mitigating Liquefaction in California" requires liquefaction analysis to a depth of 50 feet below the lowest portion of the proposed structure. Liquefaction typically occurs in areas where the soils below the water table are composed of poorly consolidated, fine to medium-grained, primarily sandy soil. In addition to the requisite soil conditions, the ground acceleration and duration of the earthquake must also be of a sufficient level to induce liquefaction.

As previously discussed in the "Groundwater" section, various LACDPW wells situated near the subject site indicates that the static groundwater table will likely be encountered below a depth of 90 feet bgs. Based on these considerations, the potential for liquefaction of the site soils is low and no surface manifestations of liquefaction are expected at the subject site.

4.4 LATERAL SPREAD

Lateral spread is large lateral displacement of soil mass parallel to a sloping ground surface due to liquefaction of underlying soil layers. Lateral spread results in damage of structures or other improvements due to lateral soil movement and the settlement resulting from such movement. As previously indicated, liquefaction is not expected to occur at the site and the site is not on or near an existing slope. Therefore, the potential for lateral spreading is considered low.

4.5 EARTHQUAKE INDUCED FLOODING

Earthquake-induced flooding is inundation caused by failure of dams or other water-retaining structures due to earthquakes. Based on a review of the Los Angeles County Seismic Safety Element (Leighton, 1990), the site is located within a potential inundation area for an

earthquake-induced dam failure from the Stone Canyon Dam. However, this dam, as well as others in California, are continually monitored by various governmental agencies (such as the State of California Division of Safety of Dams and the U.S. Army Corps of Engineers) to guard against the threat of dam failure. Current design and construction practices and ongoing programs of review, modification, or total reconstruction of existing dams are intended to ensure that all dams are capable of withstanding the maximum considered earthquake (MCE) for the site. Therefore, the potential for inundation at the site as a result of an earthquake-induced dam failure is considered low.

4.6 SEISMIC SETTLEMENT

Dynamic compaction of dry and loose cohesionless sands may occur during a major earthquake. Typically, settlements occur in thick beds of such soils. The soils underlying the site consist of clayey soils and are underlain by sedimentary bedrock units that are generally dense and well consolidated. Based on these conditions, appreciable seismically induced settlements are not anticipated at the site.

4.7 GROUND LURCHING

Ground lurching is the forming of cracks and ridges on the ground surface in response to strong ground shaking. Areas underlain by thick alluvium with loose granular soils or clay soils with high moisture are susceptible to ground lurching. Since the site is underlain by generally compacted fill and soft to stiff alluvium, ground lurching is not likely to develop at the site.

4.8 SEICHES

Seiches are large waves generated in enclosed bodies of water in response to ground shaking. No major water-retaining structures are located immediately up gradient from the project site. Flooding from a seismically-induced seiche is considered unlikely.

4.9 TSUNAMIS

The site is not located within a coastal area. Therefore, tsunamis, or seismic sea waves, are not considered a significant hazard at the site.

4.10 FLOODING

The site is in an area of minimal flooding potential (Zone X) as defined by the Federal Emergency Management Agency (FEMA, 2008). FEMA defines Zone X as an area determined to be outside the 500-year flood. A map of the FEMA Flood Insurance Rate Map is presented in Figure 13.

4.11 SUBSIDENCE

Subsidence occurs when a large portion of land is displaced vertically, usually due to the withdrawal of groundwater, oil, or natural gas. Soils that are particularly subject to subsidence include those with high silt or clay content. The site is not located within an area of known ground subsidence. No large-scale extraction of groundwater, gas, oil, or geothermal energy is occurring or planned at the site. There appears to be little or no potential for ground subsidence due to withdrawal of fluids or gases at the site.

4.12 OIL FIELDS

Based on a review of the California Division of Oil, Gas and Geothermal Resources (DOGGR) Oil and Gas Well Location Map W1-5 Sheet 117 (DOGGR, 2006), the site is not located within the boundaries of a known oilfield. No oil wells are located in the immediate vicinity of the site. However, due to the voluntary nature of record reporting by the oil well drilling companies, wells may be improperly located or not shown on the location map. Other wells could be encountered during construction. Any wells encountered will need to be properly abandoned in accordance with the current requirements of the DOGGR.

4.13 METHANE

The site is not located within the boundaries of a methane or methane buffer zone, as defined by the City of Los Angeles (Los Angeles, 2004); therefore, the potential for the presence of methane is considered low.

5.0 GEOTECHNICAL ANALYSES AND DESIGN RECOMMENDATIONS

5.1 SUMMARY

Based on results of the investigation, the development of the site for the proposed project is feasible from a geotechnical standpoint. There are no significant geologic or geotechnical constraints that could preclude using conventional design and construction methods to develop the site. Presented below are conclusions resulting from our analyses and recommendations for the geotechnical aspects of the project for incorporating into the project design, plan, specifications, and construction.

5.2 SOIL PROFILE AND DESIGN STRENGTH PARAMETERS

5.2.1 Soil Classification

Based on the laboratory results in Appendix B and published geologic maps of the area, the existing subsurface soil consists of a layer of undocumented fill over Holocene age alluvial deposits. The borings indicate that the fill layer extends to a depth of approximately 2 feet bgs. The fill consists of sandy clay (CL) and sandy silt (ML). The alluvial deposits consists of silty sand (SM), clayey sand (SC), clayey gravel (GC), sandy clay (CL), clay with sand (CL) and clay (CL) as classified by the lab.

5.2.2 Moisture Content and In-place Unit Weight

The moisture contents for the material encountered were taken from the laboratory results in the Soil Classification data and are presented in the boring logs in Appendix A. The test results indicate that for the different layers, the moisture content varied between 4.5% and 28.6%.

The in-place unit weight for the soil ranged from 109.4 pounds per cubic foot (pcf) to 145.0 pcf. The dry density varied from 85.1 pcf to 132.4 pcf.

5.2.3 Idealized Soil Profile

Table 3 lists the idealized soil profile with pertinent material strength parameters based on the data obtained from the field investigation and laboratory testing and typical values for the geologic units.

TABLE 3. SOIL PROFILE AND DESIGN STRENGTH PARAMETERS

Depth (feet)	Geologic Unit	Predominant Soil/Rock Type	USCS Classification	Total Unit Weight (lb/ft^3)	Drained Friction Angle (degrees)	Drained Cohesion (psf)	Undrained Shear Strength (psf)
0-15	Artificial Fill / Alluvium	Clay/Silt	CL/ML	110	26	400	600
15-20	Alluvium	Clayey Sand	SC	125	30	150	-
20-25	Alluvium	Clay	CL	125	30	500	1500
25-40	Alluvium	Clay	CL	120	28	400	1250
40-50	Alluvium	Clayey Sand/ Clayey Gravel	SC/GC	130	36	150	-

5.3 SEISMIC DESIGN PARAMETERS

The West Los Angles District Yard is likely to experience strong ground motions from earthquakes on local and regional faults. To better account for many of the uncertainties associated with predicting earthquake occurrence, a probabilistic approach was used to estimate the ground motion hazard at the site. The current building code (LABC, 2014) requires all structures be designed to resist the earthquake effects of two-thirds of the corresponding Risk-Targeted Maximum Considered Earthquake (MCE_R) effects. MCE_R is defined as an earthquake that targets a 1% risk of structural collapse in 50 years. Based on the location of the site and the site classification, the code-based design spectral acceleration parameters were developed using the current USGS Seismic Design Maps per the procedures of ASCE/SEI 7-10 (USGS, 2014b).

Based on review and analysis of the available soil properties and information obtained, the site is characterized as **Site Class D**. This is based on Table 20.3-1 of the ASCE 7-10. The mapped acceleration parameters S_S and S_1 were determined from the 0.2 and 1-second spectral response accelerations shown on Figures 1613.3.1(1) and 1613.3.1(2) of the 2014 Los Angeles Building Code (LABC). As a check, the United States Geologic Survey's (USGS) web-based interactive probabilistic seismic hazard program was also used (USGS, 2017; ASCE 7-10) in which similar values were obtained (see Appendix C).

- **S_S = 2.116** (0.2 spectral response acceleration)
- **S_1 = 0.784** (1-second spectral response acceleration)

Based on the 2014 LABC, the maximum considered earthquake spectral response accelerations for short periods, S_{MS} and at 1-second period, S_{M1} adjusted for site class effects were determined by equations 16-37 and 16-38 where:

- $\mathbf{S_{MS} = F_a S_S}$
- $\mathbf{S_{M1} = F_V S_1}$

Given:

- **Fa = 1.0** [from Table 1613.3.3(1)]
- **Fv = 1.5** [from Table 1613.3.3(2)]

Then:

- $\mathbf{S_{MS} = 2.116}$
- $\mathbf{S_{M1} = 1.176}$

The design spectral response acceleration parameters for the five-percent damped design spectral response acceleration at short periods, S_{DS}, and at 1-second period, S_{D1} were then determined using equations 16-39 and 16-40 from the 2014 LABC.

Given:

- $\mathbf{S_{DS} = 2/3\ S_{MS}}$
- $\mathbf{S_{D1} = 2/3\ S_{M1}}$

Then:

- $\mathbf{S_{DS} = 1.410}$
- $\mathbf{S_{D1} = 0.784}$

These parameters are presented in Table 4.

TABLE 4. CODE-BASED SEISMIC DESIGN PARAMETERS

Site Latitude (^{o})	34.034420
Site Longitude (^{o})	-118.459142
Site Class	D
Mapped MCE_R Spectral Response Acceleration Parameter at Short Periods (g), S_S	2.116
Mapped MCE_R Spectral Response Acceleration Parameter at 1-sec Period (g), S_1	0.784
Short-Period Site Coefficient, *Fa*	1.0
Long-Period Site Coefficient, *Fv*	1.5
Design Spectral Response Acceleration Parameter at Short Periods (g), S_{DS}	1.410
Design Spectral Response Acceleration Parameter at 1-sec Period (g), S_{D1}	0.784
Long-Period Transition Period (sec.), T_L	8
MCE_G Peak Ground Acceleration Adjusted for Site Effects (g), PGA_M	0.808
Design Spectral Response Acceleration Parameter at 0 Period (g), S_0	0.564
Note: MCE_G = Maximum Considered Earthquake Geometric Mean.	

5.4 FOUNDATION DESIGN

Based on the proposed structural types, all the buildings can be supported either on reinforced concrete spread footings (shallow foundations) or with Cast-in-Drilled-Hole (CIDH) reinforced concrete piers with a pile cap/grade beam (deep foundations).

5.4.1 Shallow Foundations

Bearing Capacity: The spread footings should have a minimum embedment of 2 feet below surrounding lowest finish grade and a minimum width of 2 feet. The spread footings with the recommended minimum sizes may be designed for an allowable vertical bearing capacity of 1,500 psf for dead-plus-live loads. This allowable bearing capacity may be increased by 1/3 for wind or earthquake loads. A safety factor of 3 has been incorporated in the bearing capacity calculations.

Settlement: The total settlement of a typical spread footing under the anticipated maximum bearing pressure was estimated to be less than 1.0 inch. The differential settlement was estimated to be less than 0.5 inch.

Lateral Load Resistance: Resistance to lateral loads may be assumed to be provided by friction acting on the base of the footing or by passive earth pressure on the side of the footing. A frictional coefficient of 0.35 may be used for interface between concrete on undisturbed native soils or compacted subgrade soil. An allowable passive earth pressure of 180 psf per foot of depth up to a maximum of 1,800 psf may be used for the sides of footings poured against undisturbed native soils or properly compacted subgrade soil. The value of the allowable passive earth pressure includes a factor of safety of 1.5.

The total lateral resistance can be either 100% of the frictional resistance or 100% of the passive resistance or the combination of 50% of the frictional resistance and 50% of the passive resistance. The passive earth pressure may be increased by 1/3 for wind or earthquake loads.

5.4.2 Deep Foundations

All CIDH piers shall be designed to be axially supported by skin friction only. End bearing shall not be considered. The CIDH piers shall also be designed as straight shafts (no belled-bottomed). A minimum shaft diameter of 30 inches shall be used. The piers should be spaced at least 3 pier diameters on center. The minimum aspect ratio (depth: diameter) shall be 4:1 and the maximum shall be 10:1.

Settlement shall be no greater than 1 inch. Resistance to lateral loads may be resisted by the piers and the lateral resistance of the soils. The lateral capacity of the piers will depend on the permissible deflection. The total pier head deflection shall be less than ½ -inch.

Lateral response of a single pier can be analyzed with the program LPILE using the soil strength parameters listed in Table 3.

5.5 RETAINING WALL DESIGN

5.5.1 Foundation Type, Bearing Capacity and Settlement

Type: Retaining walls may be supported on spread footings.

Bearing Capacity: The spread footings should have a minimum embedment of 2 feet below surrounding lowest finish grade and a minimum width of 2 feet. The spread footings with the recommended minimum sizes may be designed for an allowable vertical bearing capacity of 2,000 psf for dead-plus-live loads. This allowable bearing capacity may be increased by 1/3 for wind or earthquake loads. A safety factor of 3 has been incorporated in the bearing capacity calculations.

Settlement: The total settlement of a typical spread footing under the anticipated maximum bearing pressure was estimated to be less than 1.0 inch. The differential settlement was estimated to be less than 0.5 inch.

5.5.2 Lateral Earth Loading

Static Condition: Under static condition, active earth pressure may be used for designing the retaining walls if outward movement at the top of the wall exceeds approximately 0.1% of its height (i.e., non-restrained condition). Otherwise, the walls should be designed using at-rest earth pressure (i.e., restrained condition). Recommended static lateral earth loading for retaining walls is presented in Table 5.

TABLE 5. STATIC LATERAL EARTH LOADING FOR RETAINING WALLS

Back Slope (Horizontal: Vertical)	Active Earth Pressure in Terms of Equivalent Fluid Pressure (psf)	At-Rest Earth Pressure in Terms of Equivalent Fluid Pressure (psf)
Level	43*H*	62*H*
Note: *H* is the wall height in feet.		

Seismic Condition: Under seismic condition, the uniform earth pressure for a level backfill restrained retaining wall was calculated using the method of Mononobe and Okabe (Das, 2006). The horizontal component of the earthquake acceleration was taken as 50% of the PGA_M from Table 4. The lateral earth pressure from seismic loading was assumed to have a uniform distribution against the wall. The resultant of the lateral earth pressure from seismic loading is applied at (1/2)*H* feet above the bottom of the wall (*H* is the wall height in feet). Recommended seismic earth pressures are listed in Table 6.

TABLE 6. SEISMIC LATERAL EARTH LOADING FOR RETAINING WALLS

Back Slope (Horizontal:Vertical)	Uniform Earth Pressure for Non-restrained Condition (psf)	Uniform Earth Pressure for Restrained Condition (psf)
Level	48*H*	96*H*
Note: *H* is the wall height in feet.		

The above pressures do not include any hydrostatic pressures. For retaining walls without drainage provisions, water pressure of 62.4 psf per foot depth must be added, but the equivalent fluid earth pressures for materials below the groundwater table may be reduced by 50 percent for the portion of the wall below groundwater table.

5.5.3 Lateral Pressure Due to Surcharge

The West Los Angeles District Yard is surrounded by various buildings, parking structures, and city streets. Surcharge loading from these various facilities will exert an additional lateral earth pressure on the retaining wall.

The lateral earth pressure from surcharge loading is based on the theory of elasticity (Das, 2006). For this analysis, an excavation of 20 feet deep and an offset of 20 feet away from any surrounding building, parking structures, or city street are assumed. A uniform pressure of 250 psf is assumed as the surcharge load from the surrounding facilities. The additional lateral earth pressure acting on the retaining wall was calculated to be 125 psf in a uniform distribution.

Once the final retaining wall plans are complete, LADWP Geology and Soils Group shall be contacted to review the final retaining wall plans to verify the depth and offset of the retaining walls.

5.5.4 Resistance to Lateral Loads

Resistance to lateral loads may be assumed to be provided by friction acting on the base of the footing and by passive earth pressure against the sides of the footing or walls. A frictional coefficient of 0.4 may be used for interface between concrete on undisturbed native soils or compacted subgrade soil. An allowable passive earth pressure of 240 psf per foot of depth up to a maximum of 2,400 psf may be used for the sides of footings or walls poured against undisturbed native soils or properly compacted subgrade soil. The value of the allowable passive earth pressure includes a factor of safety of 1.5.

The frictional resistance and the passive resistance may be used in combination without reduction. The passive earth pressure may be increased by 1/3 for wind or earthquake loads.

5.5.5 Drainage behind Walls

The retaining walls are not designed for hydrostatic pressures. The retaining walls shall be provided with adequate drainage to prevent hydrostatic build-up behind the walls. Backfill behind the walls should be free draining and should satisfy the material requirements of Section 300-3.5.2 of Standard Specification for Public Works Construction (SSPWC) (Greenbook, 2015). Lateral drainage should be provided by installing a perforated drainage pipe behind the base of the walls, or weepholes at 8 feet on-center maximum spacing. If a perforated pipe is used, the pipe should be a Schedule-40 PVC with a minimum diameter of 4 inches, surrounded with at least 1 square foot per linear foot of wall (1 cubic foot) of free draining ¾-inch crushed rock or gravel. A non-woven geofabric (Mirafi 140NC or better) should be used to prevent fines loss into the drainage material.

Pre-fabricated drainage composites such as Miradrain 5000 or similar products should be placed

behind subterranean walls cast in front of any shoring to provide adequate drainage. Drainage water should be controlled and directed to proper drainage devices in an acceptable manner.

5.6 PAVEMENT DESIGN

Pavement design recommendations have been made for rigid and flexible pavements using the design procedure of Caltrans Highway Design Manual (HDM) (Caltrans, 2017). The surficial soils at the project site consist of clay, which usually has low R values. Based on a typical R-value for clay soils from the Caltrans HDM Chapter 610, an R-value of 5 was used to determine preliminary pavement structural sections. A Traffic Index (TI) of 6 was chosen from Caltrans HDM Chapter 610 Table 613.5B.

The pavement designs for this report are only for pavements that rest on in-situ soil. The pavement that is resting on the parking structure will need to be designed by the parking structure engineer.

5.6.1 Rigid Pavement

Rigid Pavement consisting of Portland Cement Concrete (PCC) is recommended for the areas of the yard encompassed by the subterranean parking. The rigid pavement was designed using the Caltrans HDM Chapter 620 for Type II subgrade soil. The recommended rigid pavement structure sections are presented in Table 7.

TABLE 7. RECOMMENDED RIGID PAVEMENT STRUCTURAL SECTIONS

Traffic Index	Rigid Pavement Section Thickness
6.0	9-inches JPCP over 12-inches AB

Notes:
(1) JPCP = Jointed Plain Concrete Pavement.
(2) AB= Class II Aggregate Base, as outlined in the Caltrans 2015 Standard Specification, Section 26 (Caltrans, 2015)

5.6.2 Flexible Pavement

The flexible pavement was designed using the Caltrans HDM Chapter 630. Using the empirical method outlined in Topic 633.1, the Gravel Equivalent (GE) for the site is 22 inches. Table 8 presents the recommended flexible pavement structural sections.

TABLE 8. RECOMMENDED FLEXIBLE PAVEMENT STRUCTURAL SECTIONS

Traffic Index	Flexible Pavement Section Thickness
6.0	6-inches HMA over 10-inches CAB

Notes:
(1) HMA = Hot Mix Asphalt.
(2) CAB = Crushed Aggregate Base.

6.0 CONSTRUCTION RECOMMENDATIONS

6.1 EARTHWORK

Earthwork should be performed in accordance with the applicable sections of the Los Angeles City grading codes, the latest edition of the SSPWC (Greenbook, 2015), and the recommendations of this report. The more stringent requirements of the mentioned documents should prevail.

6.1.1 Site Preparation and Grading

Prior to construction, the areas planned for new construction should be cleared of existing improvements and any other deleterious materials. Vegetation, trash, and debris, should be properly disposed offsite. Underground Service Alert (USA) of Southern California, also known as Dig Alert, shall be contacted to locate and verify any existing or abandoned utility lines in the area planned for construction. Existing utilities should be either properly abandoned and removed or rerouted around the development area to preserve their function. Excavations that result from the removal of utilities and other existing site improvements should be properly backfilled and compacted.

Based on the current site plan, an excavation on the order of 20 feet is required to achieve the finish grade of the proposed subterranean parking structure. For construction of the proposed fueling station, an excavation on the order of 18 feet is anticipated if the fuel tanks are being stored underground.

LADWP Corporate Environmental Services Group shall be contacted immediately if soil of a questionable environmental quality is encountered during construction. The questionable soil shall then be placed in plastic and labeled as soil not to be used for backfill.

If unsuitable soils are encountered during excavation, additional excavation to remove the unsuitable materials to expose a firm and unyielding surface will be required.

Prior to placing fill, the subgrade should be scarified to a depth of 6 inches, moisture-conditioned to approximately 2 percent above optimum and compacted to at least 90 percent relative compaction. The finish subgrade should be maintained moist at all time prior to placing fill or other improvements.

6.1.2 Fill Material and Placement

All fill materials should be inorganic soils free of vegetation, debris, and cobbles larger than 3 inches in diameter.

Onsite subsurface soils are not considered suitable for use as engineered fill beneath the structures.

Imported materials shall consist of low expansive soils. The materials should have no more than

35 percent by weight passing the #200 sieve and an Expansion Index no greater than 35. The materials should be tested by the project geotechnical engineer for conformance with the recommendations before transporting to the site.

Engineered fill should be placed in loose lifts not to exceed 8 inches, moisture-conditioned to 2 percent above its optimum moisture, and compacted to at least 90 percent relative compaction in accordance with ASTM D1557 or as specified as in the following sections.

6.1.3 Temporary Excavations

Temporary excavations must be properly sloped or shored in accordance with OSHA standards.

Based on the earth materials encountered in our borings, temporary excavation of 5 feet or less in depth may be performed with vertical sidewalls with some potential for sloughing for prolonged durations. Deeper temporary excavation up to a depth of 20 feet can be accomplished at a 1.5 horizontal to 1 vertical (i.e., 1.5H:1V) temporary slope. Excavated soil should not be stockpiled immediately adjacent to excavations. Stockpiled soil should be set back a distance at least equal to the height of the excavation.

Where space is limited or excavations deeper than 20 feet, shoring may be required.

The contractor is responsible for worker safety in the field during construction. The contractor shall conform to all applicable occupational safety and health standards, rules, regulations, and orders established by the State of California. In addition, other State, County, or Municipal regulations may supersede the recommendations presented in this section.

6.2 FOUNDATION CONSTRUCTION

6.2.1 Shallow Foundations

The soil for the proposed shallow foundation, including the soil extending three feet beyond the extent of the foundation, shall be excavated to one foot below the bottom of foundation. The subgrade should then be scarified to a depth of 6 inches and recompacted. Crushed Aggregate Base (CAB) shall be placed, where necessary, on the recompacted subgrade to establish the new required elevation. CAB shall be placed in 6-inch lifts and compacted to a minimum of 95% of its maximum dry density in accordance to ASTM D1557.

6.2.2 Deep Foundations

Based on the onsite subsurface soil types, drilling for the CIDH reinforced concrete piers should be made possible with a conventional flight power auger. Potential for caving in is low. The CIDH reinforced concrete piers shall be immediately placed after completion of drilling and cleaning of the hole. Concrete shall not be permitted to fall more than six feet without the use of pipes or tremies.

6.3 RETAINING WALL CONSTRUCTION

The method and sequence of construction are crucial in the performance of a retaining wall. The LADWP Geology and Soils Group shall be consulted once the method and sequence of construction as well as the type of retaining wall are selected.

6.4 PAVEMENT CONSTRUCTION

The subgrade soils should be inspected and tested by qualified geotechnical engineer during grading of the road to verify the design R-value, the required relative compaction, and recommended pavement structural sections. The subgrade soils should have R-values at least equal to 5. If subgrade soils are determined to have R-values less than the design value, the soil should be overexcavated to a minimum depth of 1.5 feet below the finish subgrade and replaced with soil having at least the required design value.

Prior to placement of AB or CAB, the subgrade soils should be excavated to a minimum depth of 6 inches below proposed depth and recompacted to a minimum of 90 percent relative compaction based on the maximum dry density determined by ASTM D1557.

AB or CAB should satisfy the specifications contained in the SSPWC (Greenbook, 2015) for gradation and should have a minimum R-value of 78. All gradation and R-value should be confirmed by the geotechnical engineer during construction. All base materials should be compacted to a minimum of 95 percent of the maximum dry density per ASTM D1557.

6.5 UTILITY TRENCH BEDDING AND BACKFILL

Bedding materials consist of sand, gravel, crushed aggregate, or free draining granular material having a Sand Equivalent (SE) of at least 30 should be used to backfill around utility pipe to approximately 1 foot above the top of the pipe. The subgrade of the pipe trench should be firm and unyielding. If the subgrade is loose or unstable, the unsuitable subgrade soil must be excavated and replaced with bedding material. Bedding must be placed uniformly on each side of the pipe and mechanically compacted.

The onsite material provided it is free of debris, organic material, and oversized material (greater than 4 inches in diameter), can be used to backfill the remaining depth of the utility trench to the planned finish subgrade. The fill should be placed in loose lifts not to exceed 8 inches, moisture-conditioned to 2 percent above optimum, and mechanically compacted to at least 90 percent relative compaction or 95 percent relative compaction if located in a future roadway in accordance with ASTM D1557.

Utility trenches should be properly sealed at the entrance points to building pads or improved subgrade to avoid the potential for water entering the areas.

6.6 PERMANENT CUT AND FILL SLOPES

All permanent cut and fill slopes should be constructed at 2H:1V or flatter. During placement of fill slopes, the new engineering fill should be benched into existing native or fill soils if exiting ground surfaces have a gradient of 5H:1V or steeper. Fill slopes should be compacted to at least of 90 percent of the maximum dry density.

6.7 SURFACE DRAINAGE AND EROSION CONTROL

The ground surface of the site should be sloped at least 2% to divert water away from the retaining walls and other structures towards suitable, non-erosive drainage devices. Areas where water could pond adjacent to the structures, or depression in walk and drive ways, should be eliminated by the use of area drains. Area drains should not be placed next to, or in contact with, the structures.

The slope should be planted with approved deep-rooted groundcover to assist in stabilization of the surface fills as soon as practical after completion.

For future maintenance of the slope, no irrigation resulting in over-watering and subsequent saturation of the slope surface should be allowed.

6.8 SOIL CORROSIVITY AND CEMENT TYPES

Several samples of the onsite soils were tested for corrosion potential (resistivity). Test results (see Appendix C) indicate that the resistivity ranges from 1,800 to 3,500 ohm/cm. Therefore, the onsite soils have a moderate to severe degree of corrosivity for buried ferrous metals. Based on the onsite soil types, sulfate resistant cement is required for concrete in contact with onsite soils. Type II or Type V Portland cement may be used.

6.9 TEMPORARY SHORING

Temporary shoring systems consisting of cantilever or internally braced soldier piles and steel plates or treated-timber lagging may be used to support temporary excavation and trenching. Typical soldier piles consist of steel H-sections installed in pre-drilled holes and backfilled with structural concrete or gravel below the planned bottom of the excavation. Center-to-center horizontal spacing between soldier piles should be limited to a maximum of 8 feet.

6.9.1 Lateral Earth Loading

Temporary shoring should be designed to resist the lateral earth pressures presented in Table 9.

TABLE 9. LATERAL EARTH PRESSURES FOR TEMPORARY SHORING

Cantilever	Braced
A triangular distribution: • 0 at the top of excavation; • 43*H* at the bottom of excavation.	A trapezoidal distribution: • 0 at the top of excavation • 36*H* at a depth of 0.25*H*; • 36*H* at a depth of 0.75*H*; • 0 at the bottom of excavation.
Notes: (1) Pressure is in psf. (2) *H* is the excavation height in feet.	

A uniform surcharge placed on the soil supported by the shoring causes an equal increase in lateral pressure in addition to the lateral earth pressure listed in Table 9. The increase may be assumed a uniformly distributed lateral pressure equal to 0.39 times the surcharge and must be considered in shoring design. In no case shall the pressure due to surcharge be less than 72 psf, which is a prescribed minimum intended to provide for typical construction loads induced by vehicles, equipment, and materials (Caltrans, 2011).

The above pressures do not include any hydrostatic pressures since it is assumed that groundwater will be maintained at least two feet below the bottom of excavation by dewatering and drainage of possibly perched groundwater pockets by providing weep-holes or cracks in the lagging. It is important to install lagging immediately upon excavation to minimize sloughing or movement of the soils behind the shoring. For any portion of the shoring structure below groundwater table, the shoring design shall include the hydrostatic pressure. Furthermore, soil arching should not be considered for the lagging below the groundwater table.

6.9.2 Lateral Resistance

Soldier piles must extend below the excavation bottom to provide lateral resistance by passive earth pressure. Allowable passive pressures for the native soils and the bedrock may be taken as equivalent to the pressure exerted by a fluid weighing 240 psf per foot of depth, up to a maximum of 2,400 psf . The passive earth pressure incorporates a factor of safety of 1.5. To account for soil arching effects, the lateral passive earth pressure may be assumed to act on over a width of either 2.4 times the drilled-hole diameter for soldier piles backfilled with structural concrete or 2.4 times the flange-width of the beam for soldier piles backfilled with compacted sand or gravel.

6.10 REVIEW OF CONSTRUCTION PLANS

Recommendations contained in this report are based on preliminary conceptual plans. The geotechnical engineer shall review the final design and construction plans and specifications in order to confirm that the general intent of the recommendations contained in this report has been incorporated into the final construction documents. Recommendations contained in this report may require modification or additional recommendations may be necessary based on the final design.

6.11 GEOTECHNICAL OBSERVATION AND TESTING

Qualified geotechnical personnel should perform inspection and testing during the following stages of construction:

- Grading operations, including excavations and placement of compacted fill;
- Footing excavations and/or pad excavations, prior to placement of steel reinforcement;
- Drilling and installation of CIDH reinforced concrete piers;
- Excavations for utility trenches and drainage structures;
- Removal or support of buried utilities or structures;
- Shoring installation;
- Backfilling retaining walls; and subdrain installation; and
- When any unusual conditions are encountered.

7.0 LIMITATIONS

This report was prepared using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable geotechnical engineers and geologists practicing in this or similar locations. No other warranty, express or implied, is made about the professional advice included in this report. This report has been prepared for the Los Angeles Department of Water and Power to be used solely in the design and construction of the proposed West Los Angeles District Yard Project. This report has not been prepared for use by other parties, and may not contain sufficient information for the purposes of other parties or other uses.

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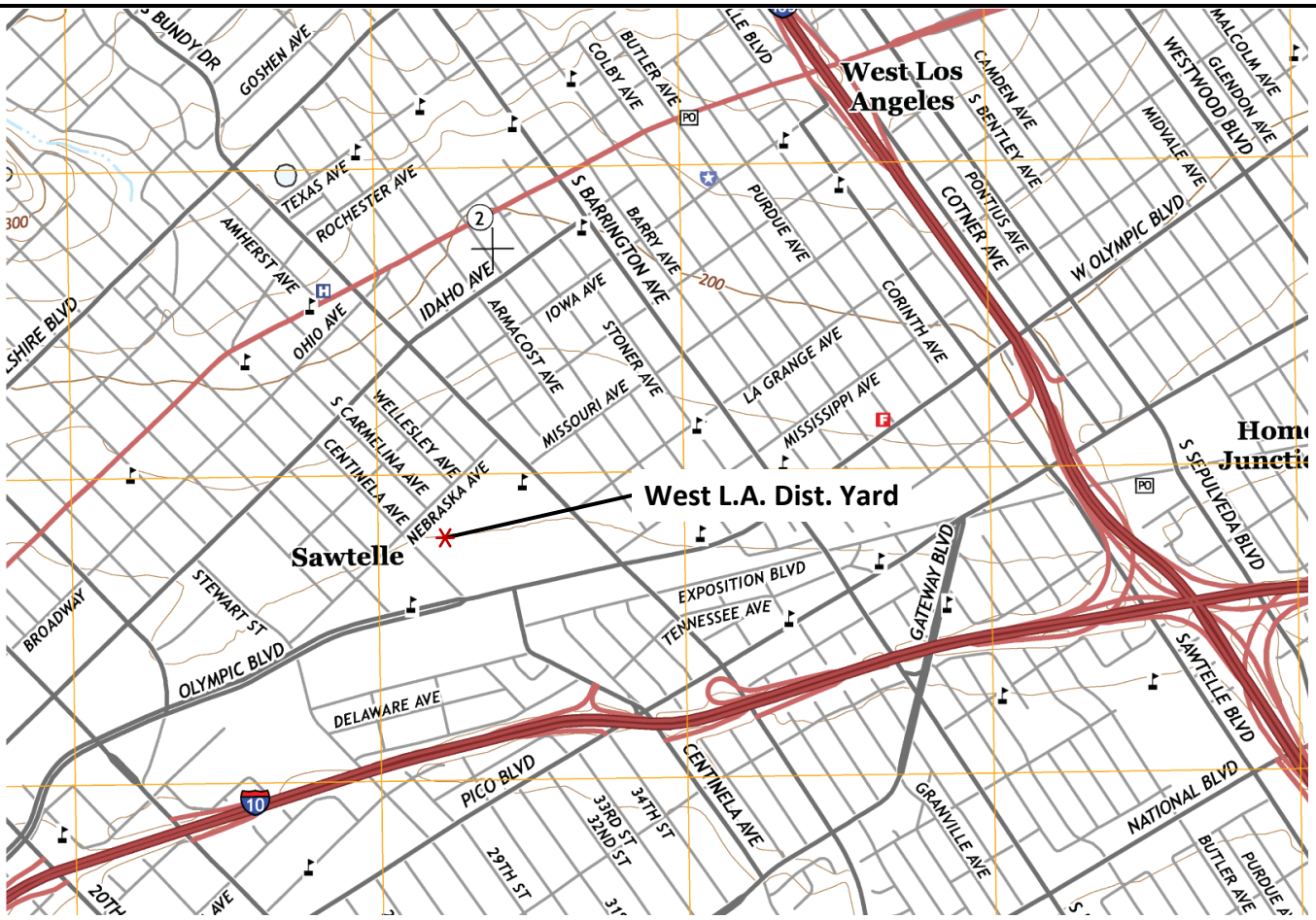
FIGURES



BASE MAP: U.S. Geologic Survey
7.5 Minute Series
Beverly Hills, CA Quadrangle 2015

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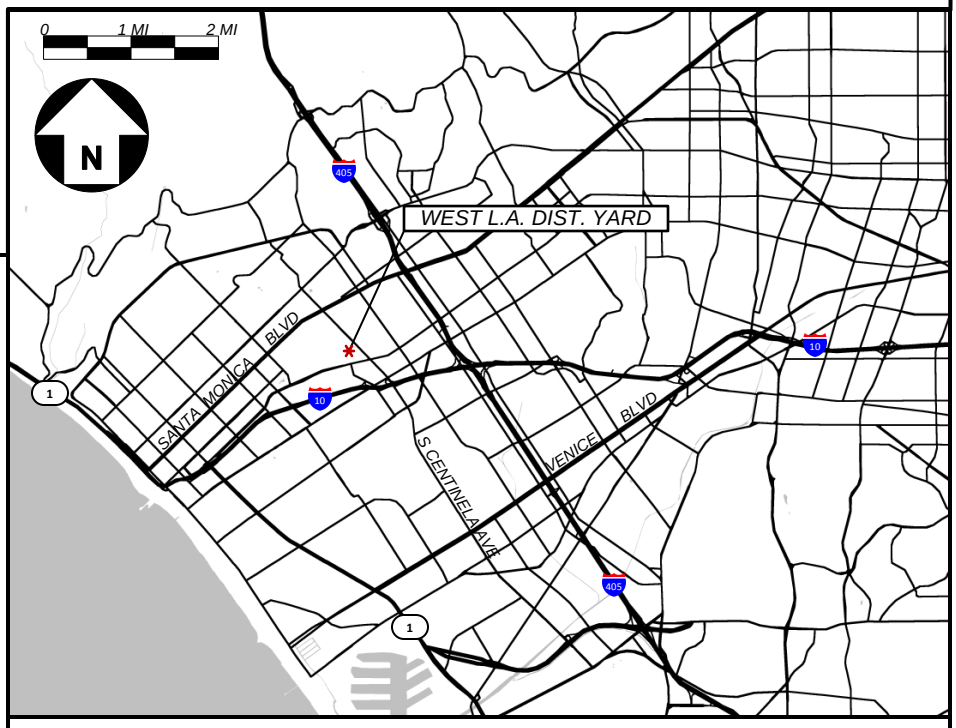
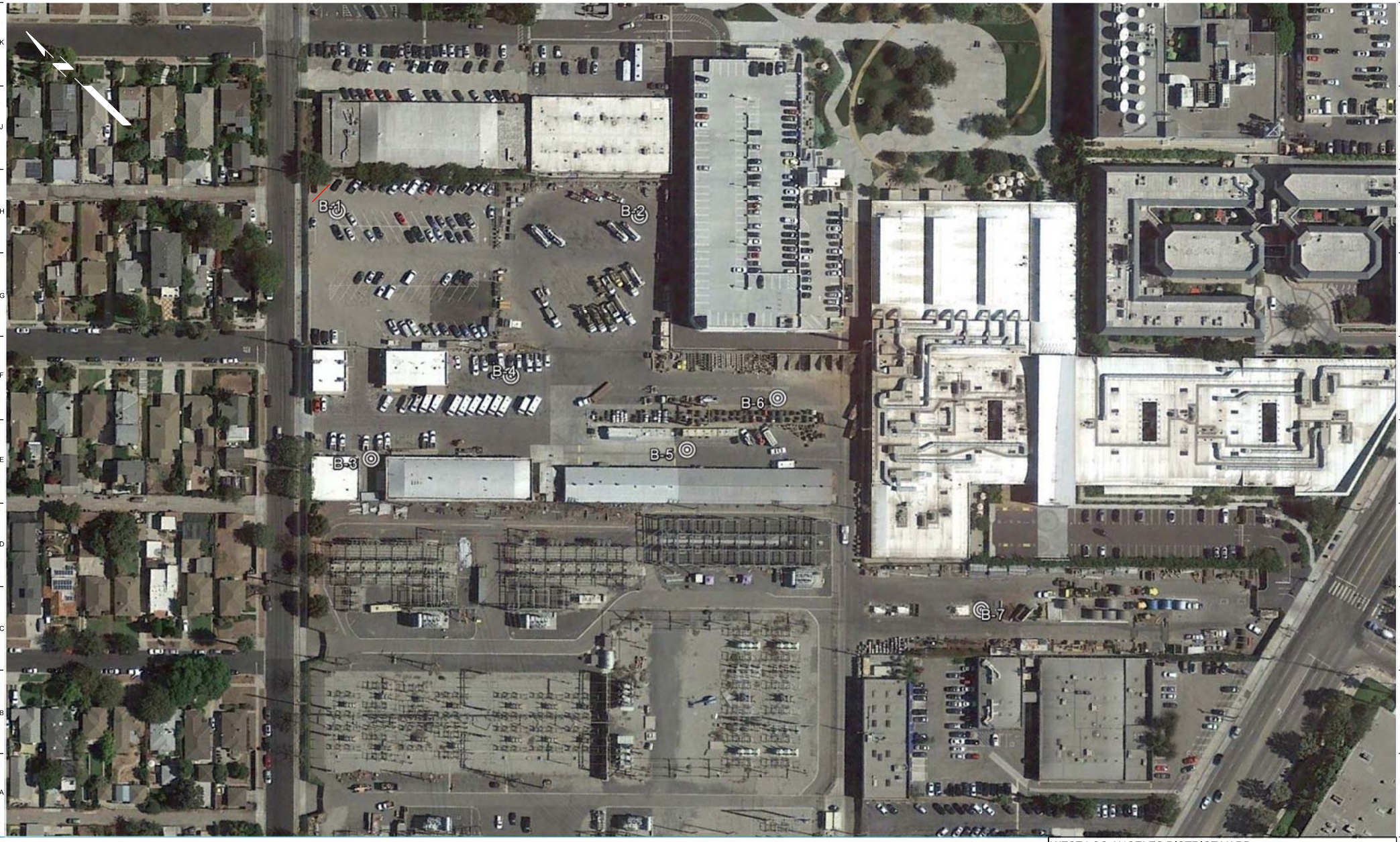


West Los Angeles District Yard

FIGURE 1 - LOCATION MAP



WEST LOS ANGELES DISTRICT YARD
12300 W. NEBRASKA AVENUE, LOS ANGELES, CA 90025
FIGURE 2 - SITE PLAN

POWER SYSTEM
DEPARTMENT OF WATER AND POWER
CITY OF LOS ANGELES

DRAWING NUMBER

REV.

Base Map: United States Geological Survey 2015, Topographic Map of the Beverly Hills Quadrangle, Scale 1:24,000

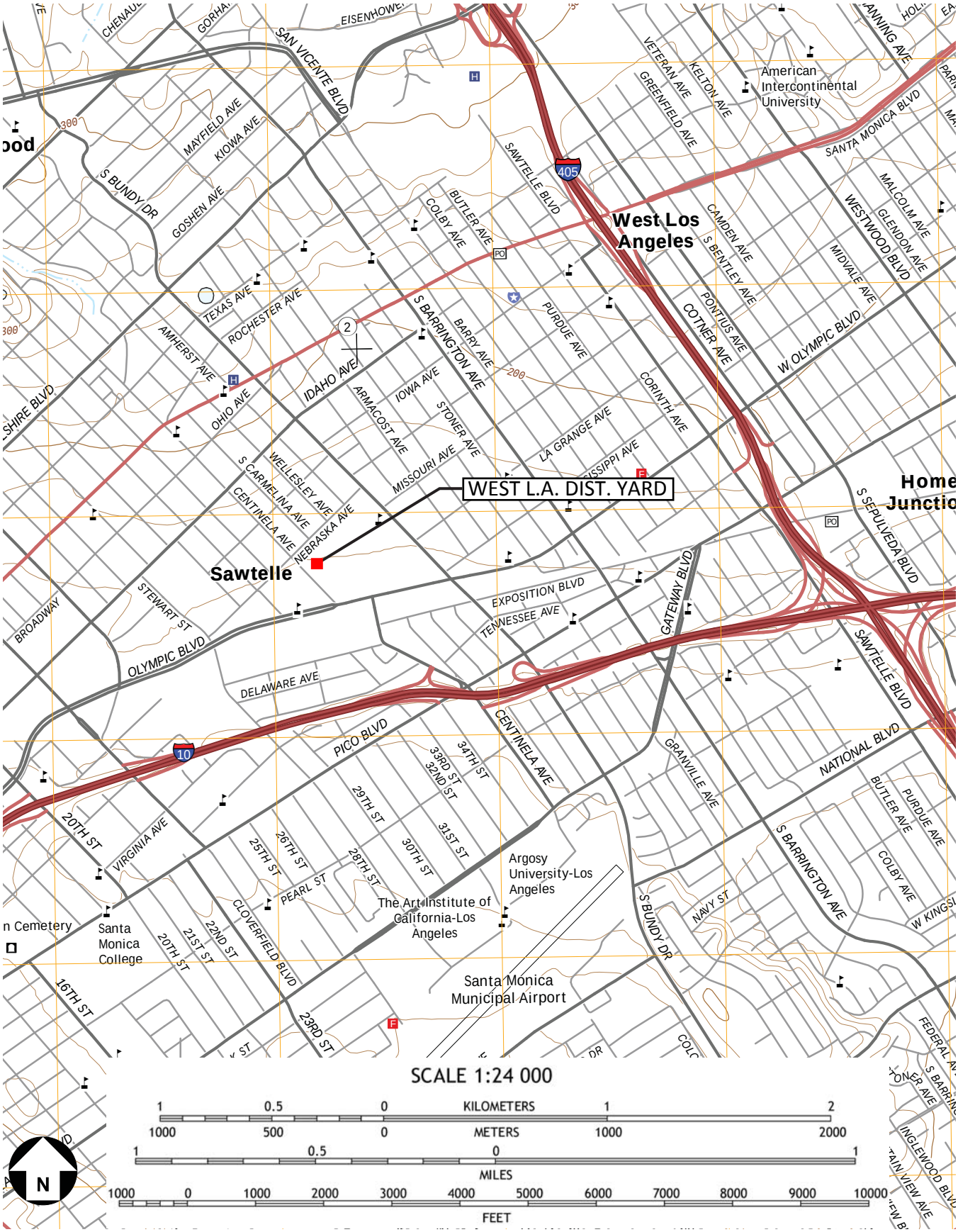


Figure 3 - Topographic Site Location Map for West Los Angeles District Yard, 12300 W Nebraska Ave, Los Angeles, CA. LADWP, September 2017

Base Map: Department of Water Resources 1961, Groundwater Geology of the Coastal Plain of Los Angeles County, Scale Shown.

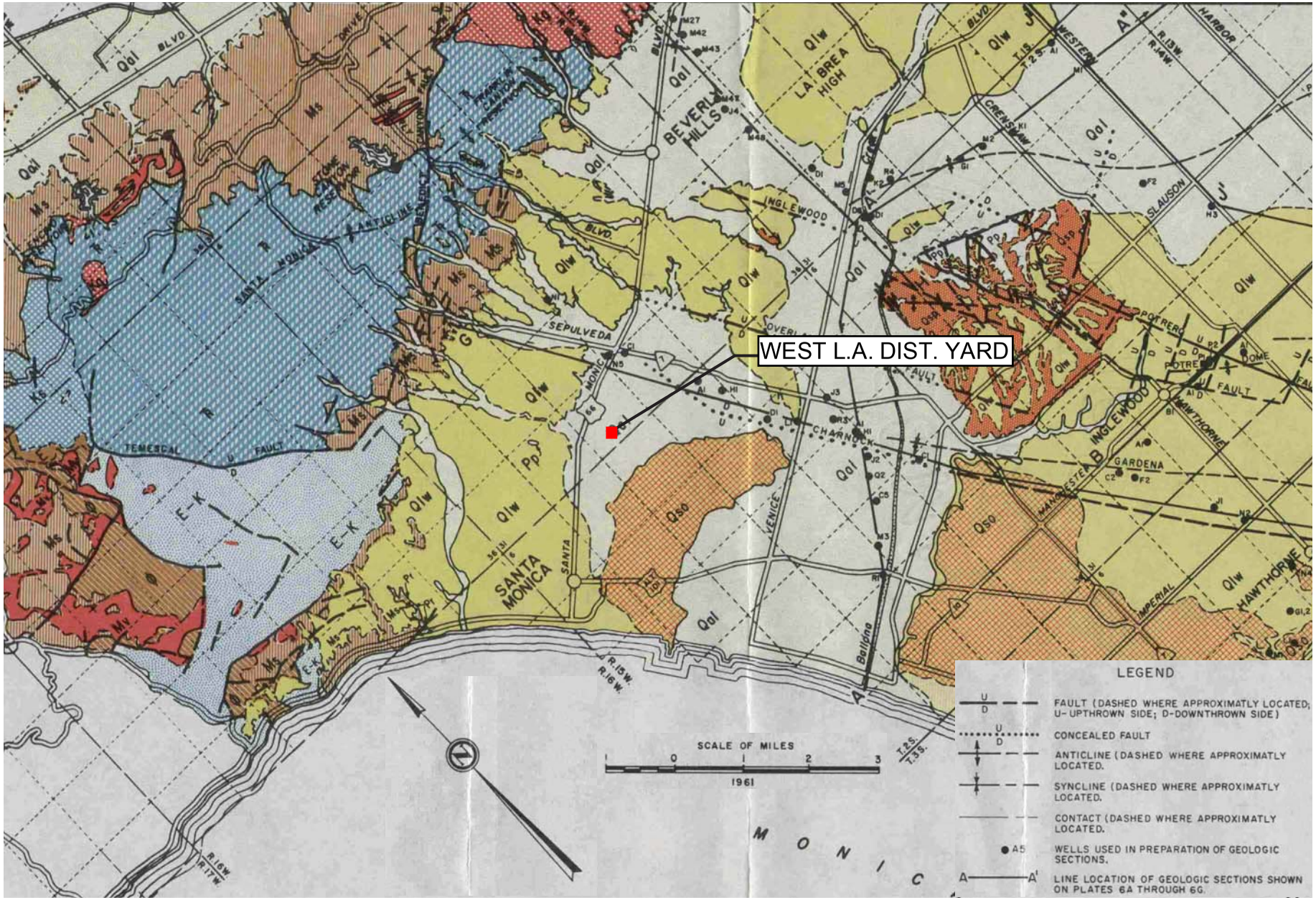


Figure 4 - Aerial Geology Map for West Los Angeles District Yard, 12300 W Nebraska Ave, Los Angeles, CA.
LADWP, September 2017

Base Map: Department of Water Resources 1961, Groundwater Geology of the Coastal Plain of Los Angeles County, Scale Shown.

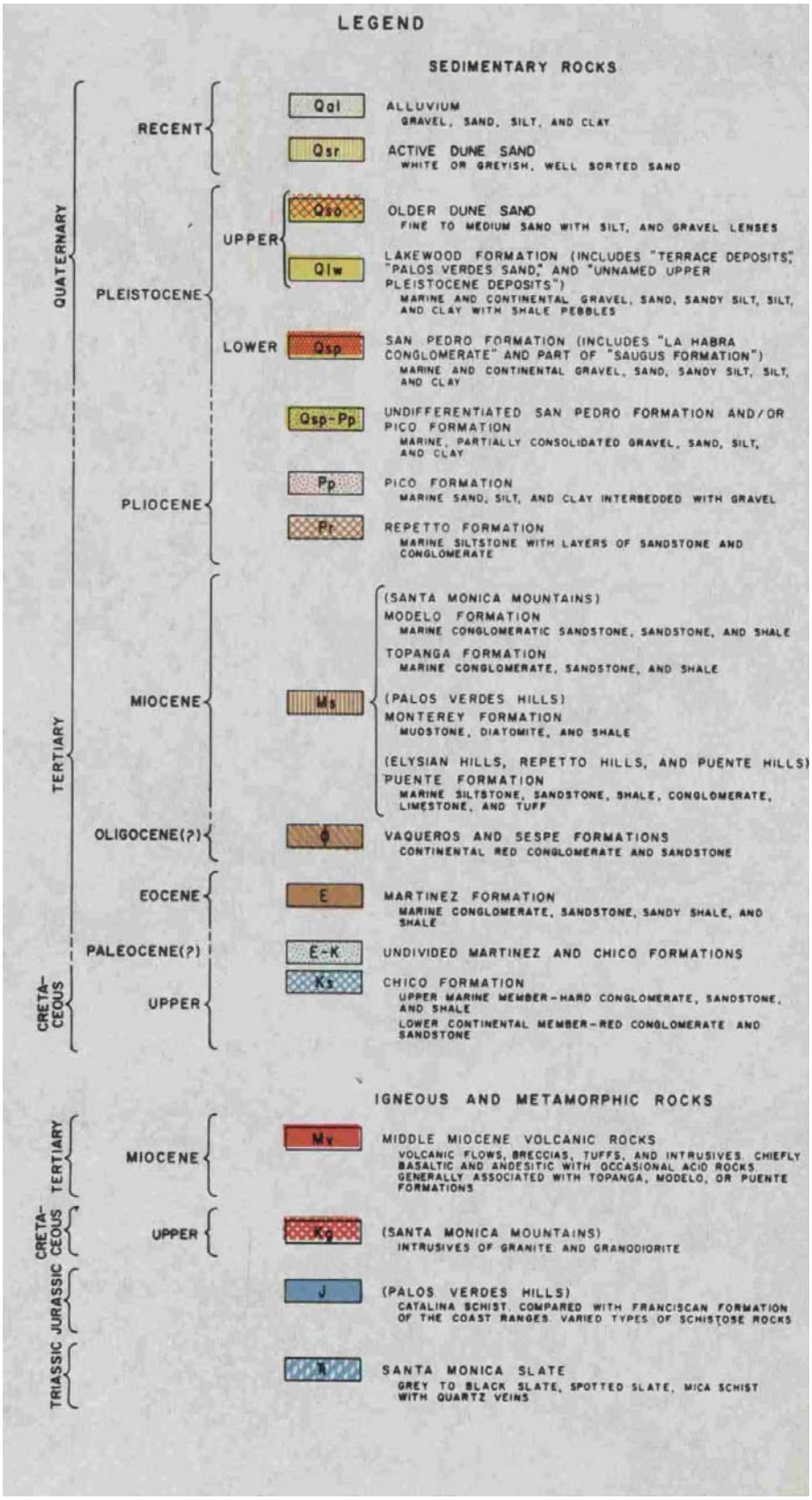


Figure 5 - Aerial Geology Map Legend for West Los Angeles District Yard, 12300 W Nebraska Ave, Los Angeles, CA. LADWP, September 2017

Base Map: Dibblee Geological Foundation, Geologic Map of the Beverly Hills and Van Nuys (South 1/2) Quadrangles, Los Angeles County, CA 1991.

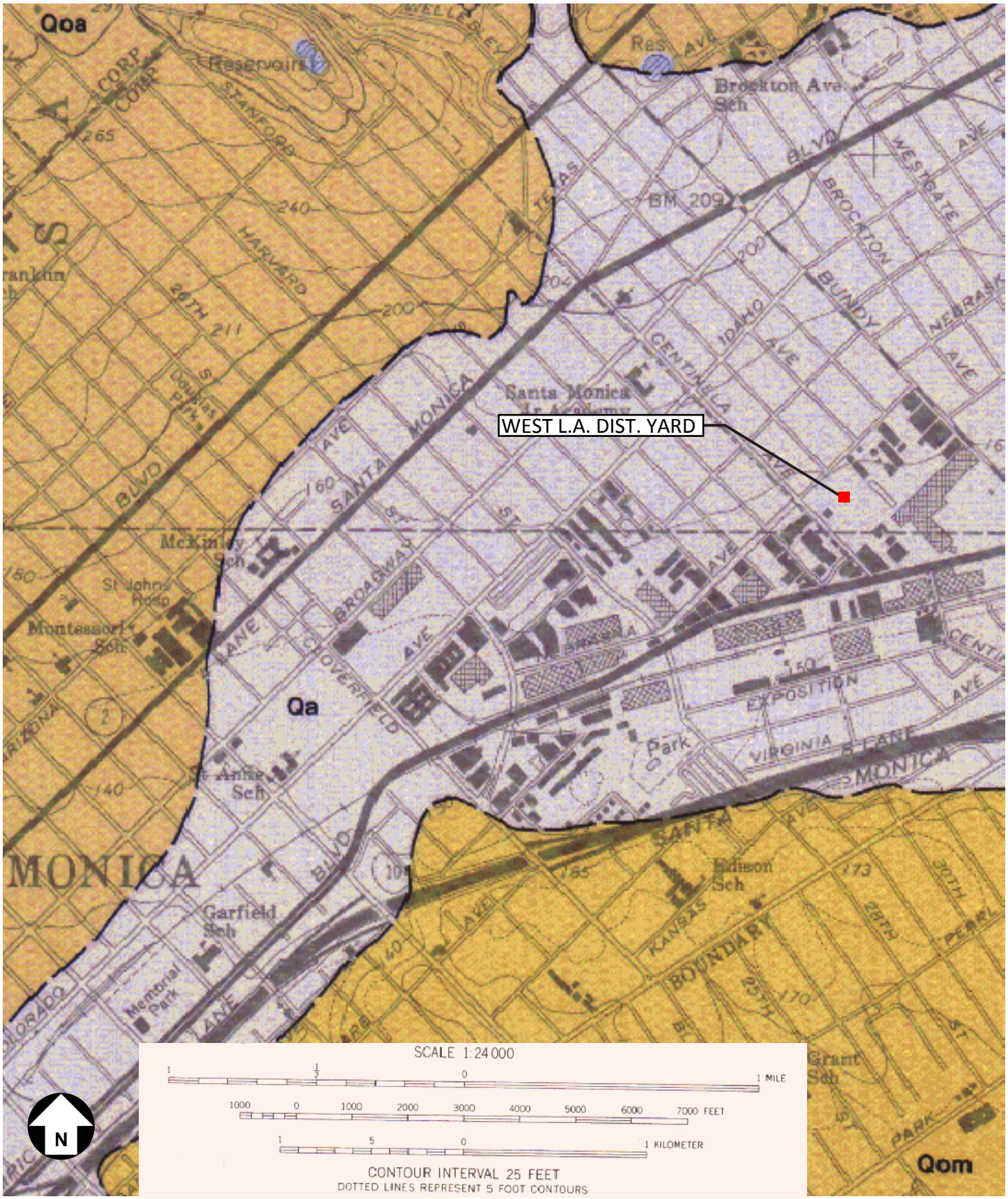


Figure 6 - Local Geologic Map for West Los Angeles District Yard, 12300 W. Nebraska Ave. Los Angeles, CA. LADWP, September 2017

Base Map: Dibblee Geological Foundation, Geologic Map of the Beverly Hills and Van Nuys (South 1/2) Quadrangles, Los Angeles County, CA 1991.

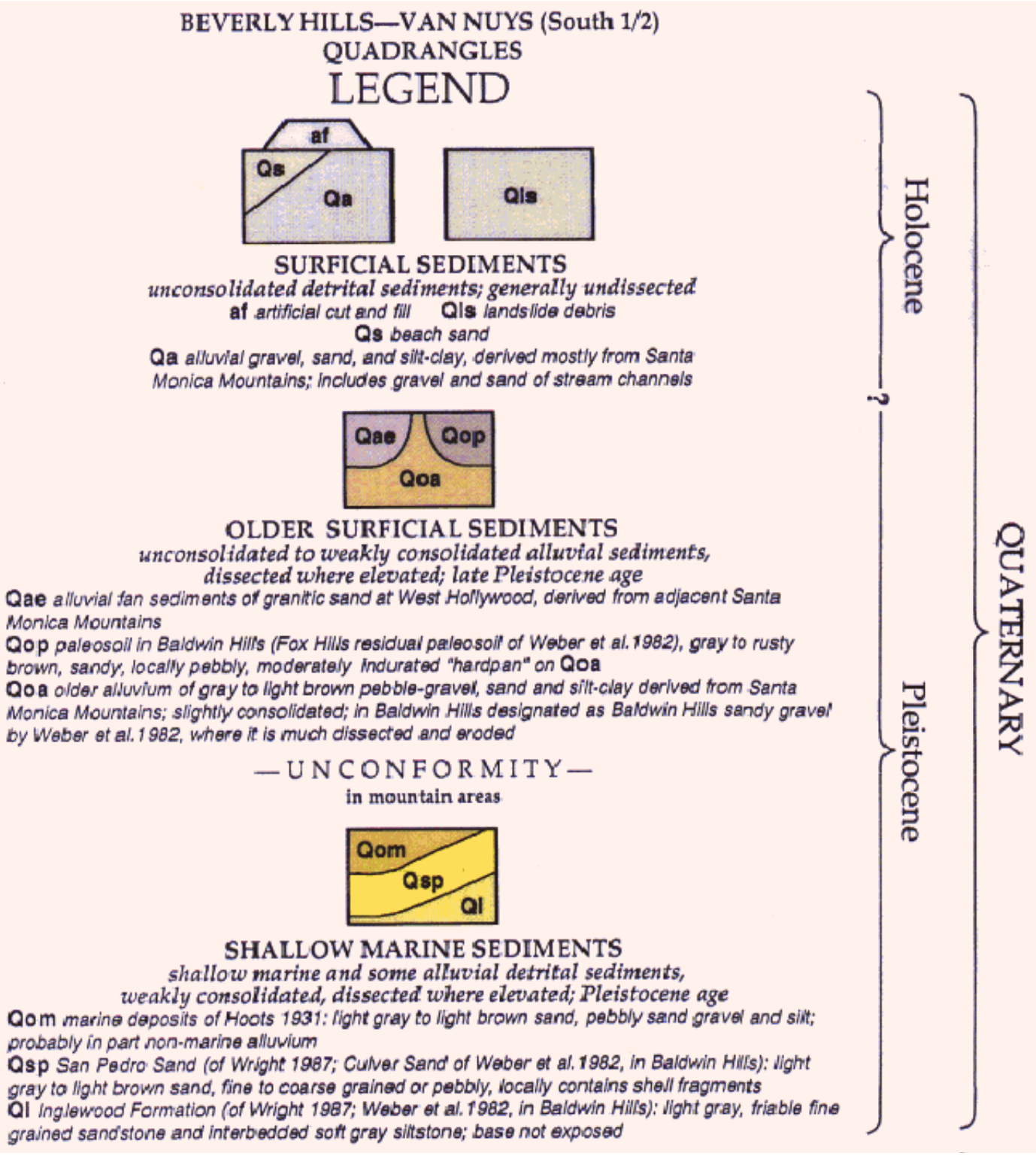
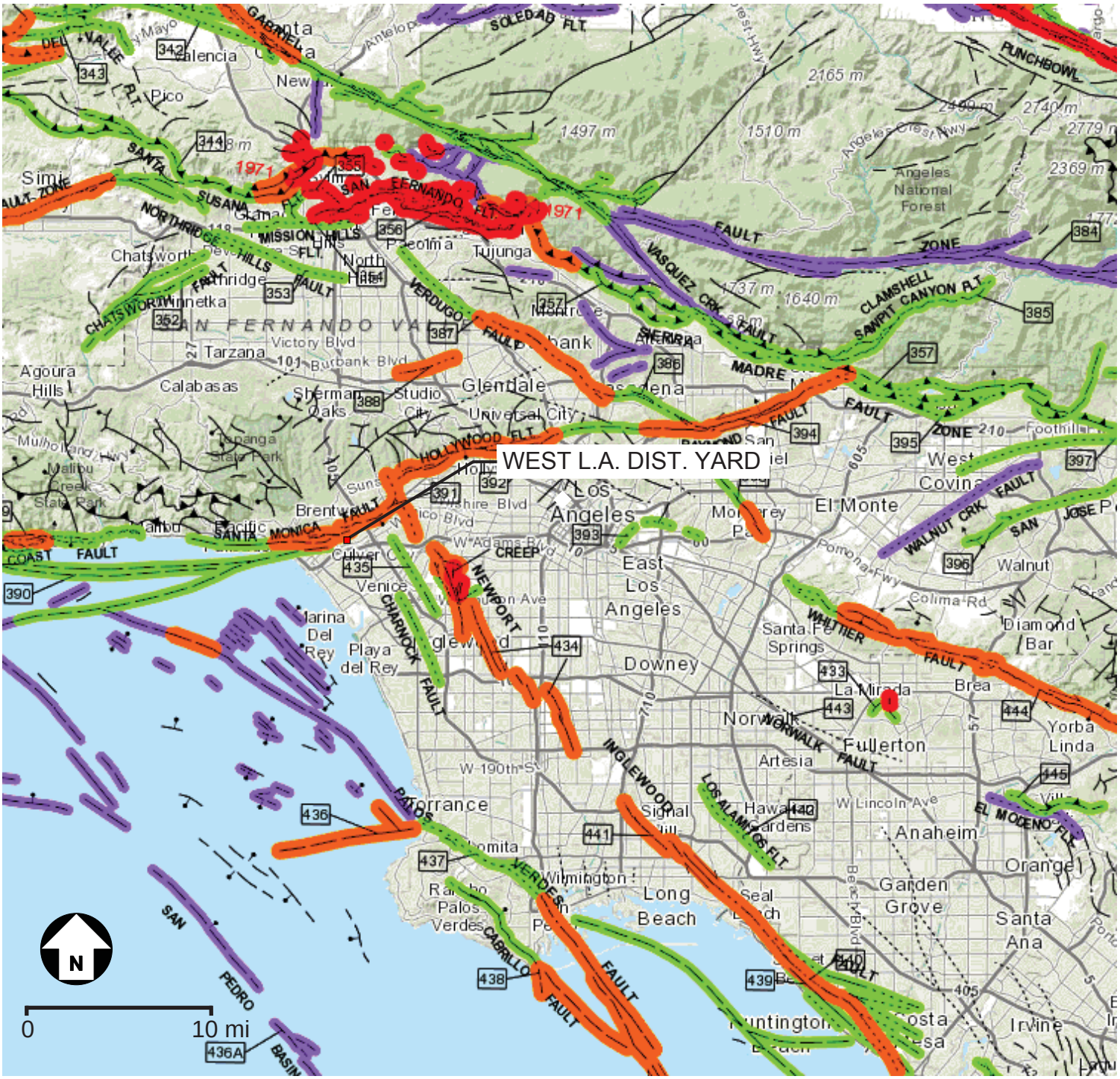


Figure 7 - Local Geologic Map Legend for West Los Angeles District Yard, 12300 W. Nebraska Ave. Los Angeles, CA. LADWP, September 2017



Base Map: California Geologic Survey, Department of Conservation, Interactive Website Fault Activity Map of California, 2010, scale shown.

Figure 8 - Regional Fault Map for West Los Angeles District Yard, 12300 W. Nebraska Ave. Los Angeles, CA. LADWP, September 2017

EXPLANATION

Fault traces on land are indicated by solid lines where well located, by dashed lines where approximately located or inferred, and by dotted lines where concealed by younger rocks or by lakes or bays. Fault traces are queried where continuation or existence is uncertain. Concealed faults in the Great Valley are based on maps of selected subsurface horizons, so locations shown are approximate and may indicate structural trend only. All offshore faults based on seismic reflection profile records are shown as solid lines where well defined, dashed where inferred, queried where uncertain.

FAULT CLASSIFICATION COLOR CODE
(Indicating Recency of Movement)

Fault along which historic (last 200 years) displacement has occurred and is associated with one or more of the following:

(a) a recorded earthquake with surface rupture. (Also included are some well-defined surface breaks caused by ground shaking during earthquakes, e.g. extensive ground breakage, not on the White Wolf fault, caused by the Arvin-Tehachapi earthquake of 1952). The date of the associated earthquake is indicated. Where repeated surface ruptures on the same fault have occurred, only the date of the latest movement may be indicated, especially if earlier reports are not well documented as to location of ground breaks.

(b) fault creep slippage - slow ground displacement usually without accompanying earthquakes.

(c) displaced survey lines.

A triangle to the right or left of the date indicates termination point of observed surface displacement. Solid red triangle indicates known location of rupture termination point. Open black triangle indicates uncertain or estimated location of rupture termination point.

Date bracketed by triangles indicates local fault break.

No triangle by date indicates an intermediate point along fault break.

Fault that exhibits fault creep slippage. Hachures indicate linear extent of fault creep. Annotation (creep with leader) indicates representative locations where fault creep has been observed and recorded.

Square on fault indicates where fault creep slippage has occured that has been triggered by an earthquake on some other fault. Date of causative earthquake indicated. Squares to right and left of date indicate terminal points between which triggered creep slippage has occurred (creep either continuous or intermittent between these end points).

Holocene fault displacement (during past 11,700 years) without historic record. Geomorphic evidence for Holocene faulting includes sag ponds, scarps showing little erosion, or the following features in Holocene age deposits: offset stream courses, linear scarps, shutter ridges, and triangular faceted spurs. Recency of faulting offshore is based on the interpreted age of the youngest strata displaced by faulting.

Late Quaternary fault displacement (during past 700,000 years). Geomorphic evidence similar to that described for Holocene faults except features are less distinct. Faulting may be younger, but lack of younger overlying deposits precludes more accurate age classification.

Quaternary fault (age undifferentiated). Most faults of this category show evidence of displacement sometime during the past 1.6 million years; possible exceptions are faults which displace rocks of undifferentiated Plio-Pleistocene age. Unnumbered Quaternary faults were based on Fault Map of California, 1975. See Bulletin 201, Appendix D for source data.

Pre-Quaternary fault (older that 1.6 million years) or fault without recognized Quaternary displacement. Some faults are shown in this category because the source of mapping used was of reconnaissnce nature, or was not done with the object of dating fault displacements. Faults in this category are not necessarily inactive.

ADDITIONAL FAULT SYMBOLS

Bar and ball on downthrown side (relative or apparent).

Arrows along fault indicate relative or apparent direction of lateral movement.

Arrow on fault indicates direction of dip.

Low angle fault (barbs on upper plate). Fault surface generally dips less than 45° but locally may have been subsequently steepened. On offshore faults, barbs simply indicate a reverse fault regardless of steepness of dip.

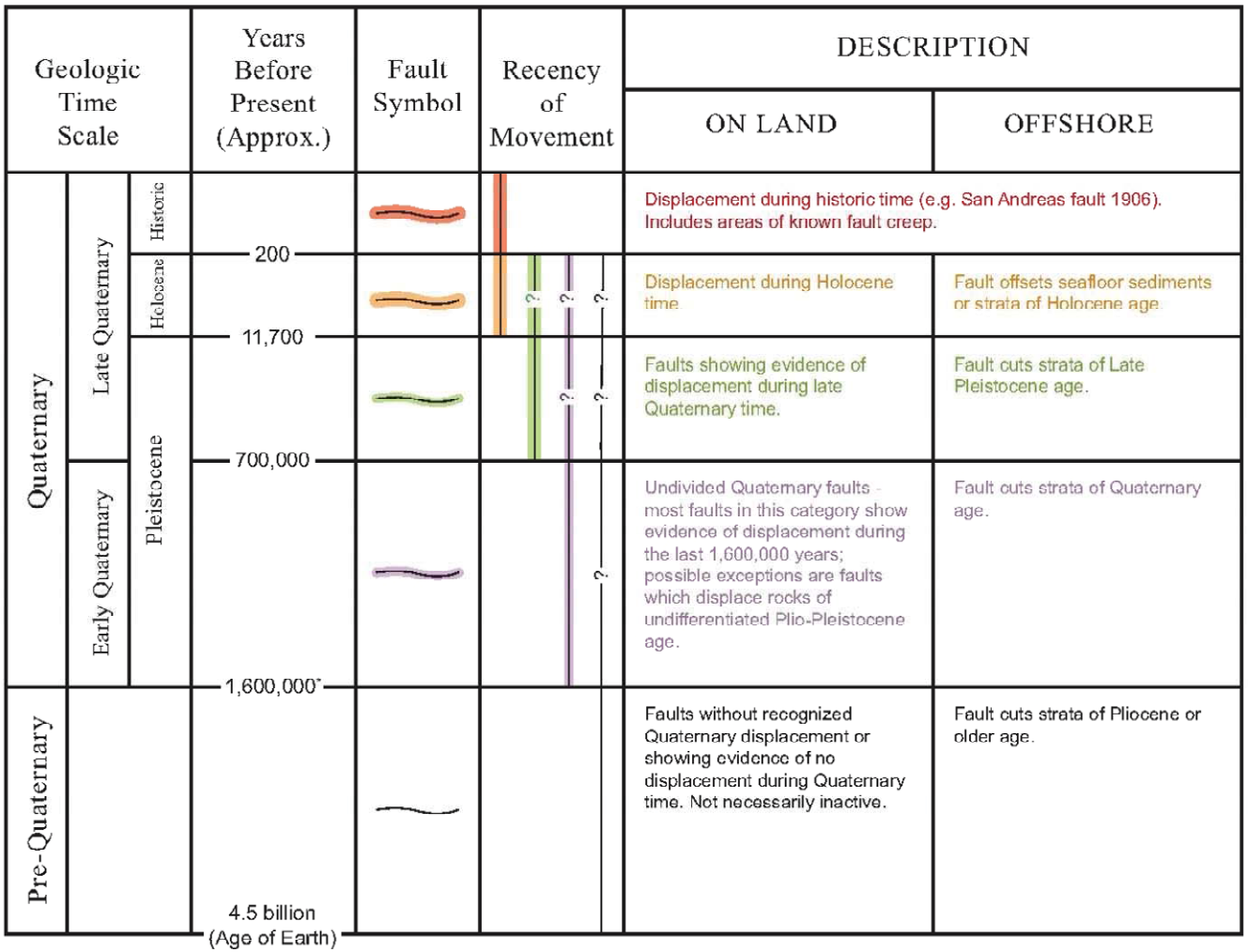
OTHER SYMBOLS

Numbers refer to annotations listed in the appendices of the accompanying report. Annotations include fault name, age of fault displacement, and pertinent references including Earthquake Fault Zone maps where a fault has been zoned by the Alquist-Priolo Earthquake Fault Zoning Act. This Act requires the State Geologist to delineate zones to encompass faults with Holocene displacement.

Structural discontinuity (offshore) separating differing Neogene structural domains. May indicate discontinuities between basement rocks.

Brawley Seismic Zone, a linear zone of seismicity locally up to 10 km wide associated with the releasing step between the Imperial and San Andreas faults.

Figure 9 - Regional Fault Map Legend for West Los Angeles District Yard, 12300 W. Nebraska Ave. Los Angeles, CA. LADWP, September 2017



* Quaternary now recognized as extending to 2.6 Ma (Walker and Geissman, 2009). Quaternary faults in this map were established using the previous 1.6 Ma criterion.

Figure 10 - Regional Fault Map Legend for West Los Angeles District Yard, 12300 W. Nebraska Ave. Los Angeles, CA. LADWP, September 2017

Base Map: California Geological Survey 1999, Eqarthquake Zones of required Investigation, Beverly Hills Quadrangle. Scale 1:24,000.

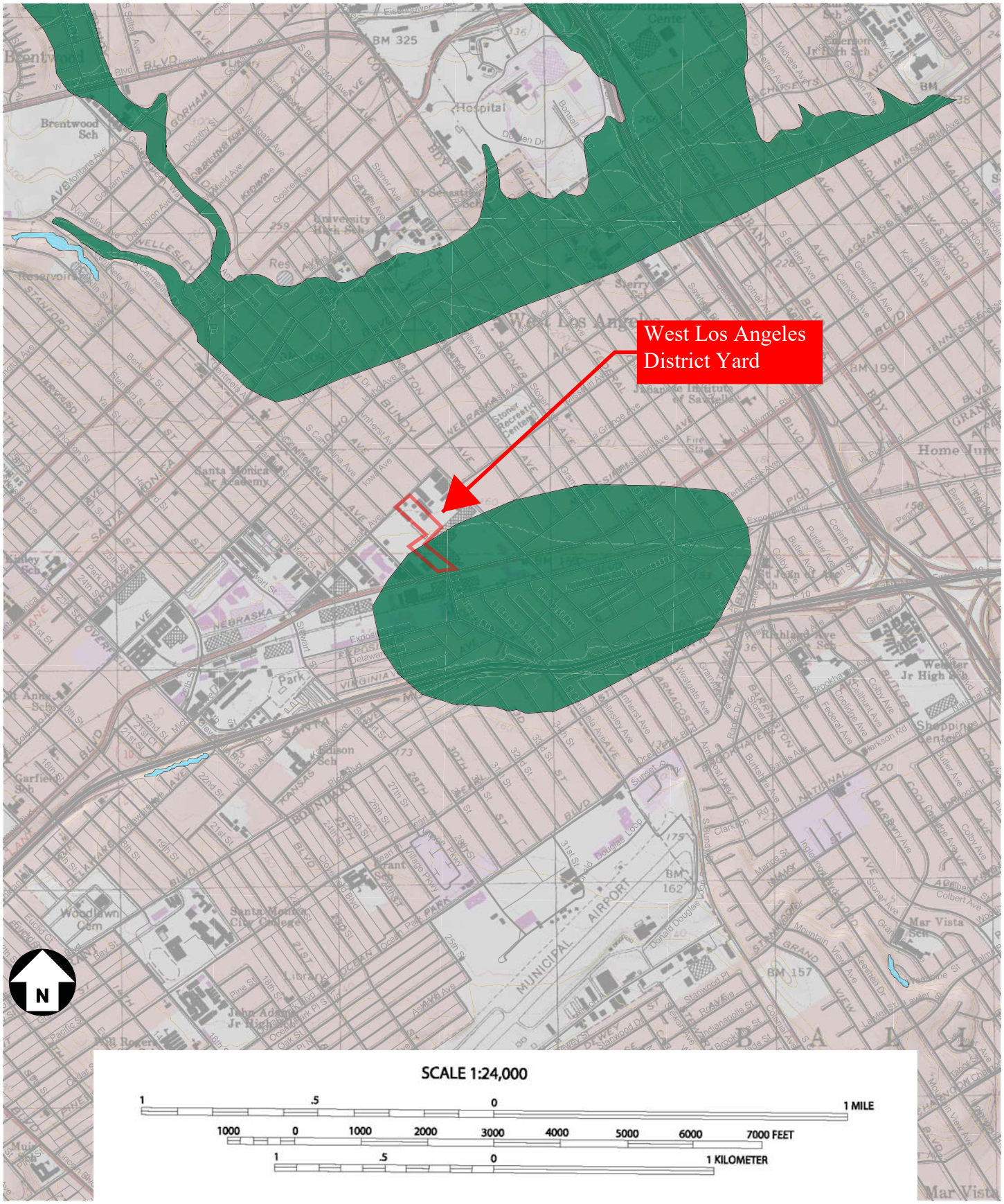


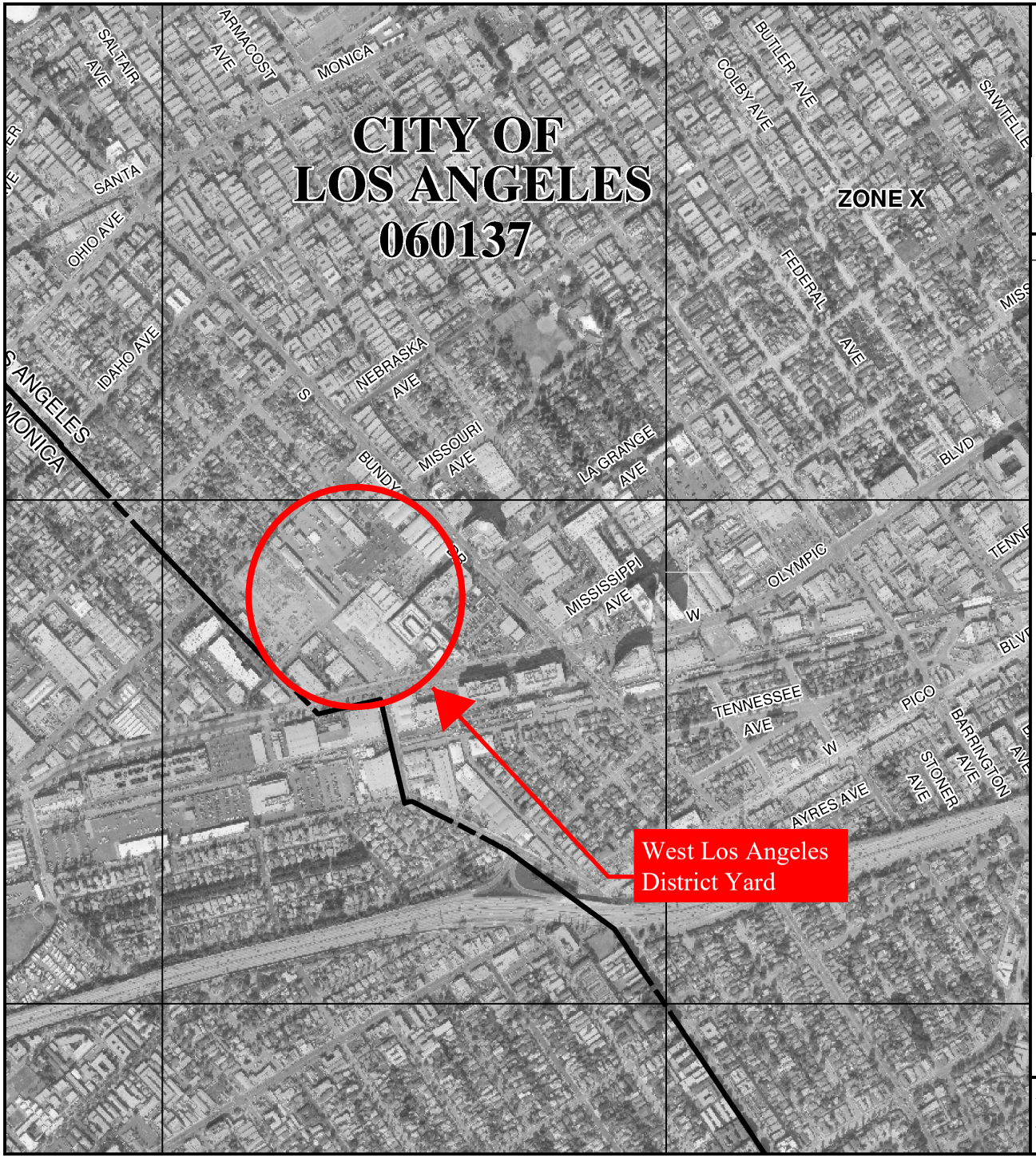
Figure 11 - Seismic Hazard Zones for West Los Angeles District Yard, 12300 W. Nebraska Ave. Los Angeles, CA. LADWP, September 2017

SEISMIC HAZARD ZONES

Liquefaction Zones
Areas where historical occurrence of liquefaction, or local geological, geotechnical and ground water conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resources Code Section 2693(c) would be required.

Earthquake-Induced Landslide Zones
Areas where previous occurrence of landslide movement, or local topographic, geological, geotechnical and subsurface water conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resources Code Section 2693(c) would be required.

Figure 12 - Seismic Hazard Zones Map Legend for West Los Angeles District Yard, 12300 W. Nebraska Ave. Los Angeles, CA. LADWP, September 2017



MAP SCALE 1" = 1000'

500 0 1000 2000 FEET

Figure 13-Flood Insurance Rate Map

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 1590F

FIRM

FLOOD INSURANCE RATE MAP

LOS ANGELES COUNTY, CALIFORNIA

AND INCORPORATED AREAS

PANEL 1590 OF 2350

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
LOS ANGELES COUNTY	065043	1590	F
LOS ANGELES, CITY OF	060137	1590	F
SANTA MONICA, CITY OF	060159	1590	F

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06037C1590F

EFFECTIVE DATE
SEPTEMBER 26, 2008

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

APPENDIX A. PREVIOUS BORING LOGS AND LAB TESTING RESULTS

BOREHOLE LOG: HSA-1 (CPT-6

Project:
Drilling Method: Hollow-stem Auger
Date Began: 10-13-04
Date Completed: 10-14-04
Elevation (ft.): 161.7
North Coordinate: 4905
East Coordinate: 10061

Logged by: JLTO
Driller: Paul
Drill Rig: City of LA CME 75
Borehole Depth (ft.): 43.5
Groundwater Depth (ft.): None

City of Los Angeles
Department of Water & Power

Depth (ft)	N Value	Sample Number	Recovery (in)	Sample Type	USCS Symbol	Graphic Log	Soil Description
							Ground Surface
0							**Asphalt and CAB**
	na	1	na	Grab	SC/CL		**Sandy Clay to Clayey Sand:** Dark grey brown, sl damp, sl plastic, soft. **Notes:** SH = Shelby Tube (2 ft) SPT = Standard Penetration Test w/o liners.
5	na	2	22	SH	CL		**Silty Clay w. Sand:** Dark brown, sl damp, plastic, soft, tr gravel up to 1 inch, tip of Shelby tube is bent.
	3,4,5	3	16	SS	CL		**Silty Clay:** Medium brown, v sl damp, sl plastic, soft. Bag sample 5 - 10 ft.
10	na	4	28	SH	CL		**Gravelly Silty Clay w Sand:** Medium brown, v sl damp, sl plastic, soft, cont. 10% Santa Monica Slate (SM) gravel to 1/4 inch. Changes to a Clayey Sand @ 11 ft.
					SC		**Clayey Sand:**
	3,3,4	5	16	SS	CL		**Silty Sandy Clay:** Medium brown, v sl damp, sl plastic soft, cont. vf gr sand, cont. 5-10% SM slate gravel to 1/8 inch. Bag Sample 10-15 ft.
15	na	6	26	SH	CL		**Sandy Clay:** Changes to Silty clayey sand w gravel (SC) @ 15.25 ft.
					SC-SM		**Silty Clayey Sand w Gravel:** Med brown,v sl damp, vf gr p grded, subrnd, loose, cont. 10% SM slate to 1/8 inch.
	3,5,8	7	17	SS	SC-SM		**Clayey Sand w. Gravel:** Medium brown, v sl damp, vf gr, p grded, cont. tr SM slate gravel to 1/8 inch. Bag Sample15-20 ft.
20							

BOREHOLE LOG: HSA-1 (CPT-6

Project:
Drilling Method: Hollow-stem Auger
Date Began: 10-13-04
Date Completed: 10-14-04
Elevation (ft.): 161.7
North Coordinate: 4905
East Coordinate: 10061

Logged by: JLTO
Driller: Paul
Drill Rig: City of LA CME 75
Borehole Depth (ft.): 43.5
Groundwater Depth (ft.): None

City of Los Angeles
Department of Water & Power

Depth (ft)	N Value	Sample Number	Recovery (in)	Sample Type	USCS Symbol	Graphic Log	Soil Description
	na	8	10	SH	SC		**Clayey Sand w. Gravel:** As above.
					GP-GC		**Gravel w. Clay and Sand:**
	5,6,7	9	15	SS	GP-GC		**Gravel w. Clay and Sand:** Medium brown, v sl damp, firm, cont. vf gr sand, SM slate to 1/4 inch..
							Silty Clay:
25							
	na	10	26	SH	CL		**Clay:**
					SW-SC		**Sand w. Clay and Gravel:** Medium to dark brown, sl damp, vf gr, p grded, subrnd, cont. 20-30% S slate to 3/4 inch.
	6,5,5	11	18	SS	CL		**Silty Clay:** Medium brown, damp, plastic, soft.
30							
	na	12	27	SH	CL		**Silty Clay w. Sand:** As above.
					SP-SM		**Sand w. Silt and Gravel:** Dark brown,v sl damp, vf gr p grded, subrnd,
	23,14,16	13	18	SS	SP-SM		**Sand w. Clay and Gravel:** As above..
35							
	na	14	27	SH	SM		**Silty Sand w. Gravel:** Medium grey brown, sl damp, plastic, soft.
					CL		**Sandy Clay:** .
	5,5,9	15	18	SS	CL		**Silty Clay w. Gravel:** Medium brown, damp, plastic, soft, cont. 5% SM slate to 1 1/4 inch, hard drilling.
40							

BOREHOLE LOG: HSA-1 (CPT-6

Project:
Drilling Method: Hollow-stem Auger
Date Began: 10-13-04
Date Completed: 10-14-04
Elevation (ft.): 161.7
North Coordinate: 4905
East Coordinate: 10061

Logged by: JLTO
Driller: Paul
Drill Rig: City of LA CME 75
Borehole Depth (ft.): 43.5
Groundwater Depth (ft.): None

City of Los Angeles
Department of Water & Power

Depth (ft)	N Value	Sample Number	Recovery (in)	Sample Type	USCS Symbol	Graphic Log	Soil Description
	na	16	15	SH	GP-GC		**Gravel w. Clay and Sand:** Dark grey brown, sl damp, sand is vf-m gr, p graded, subang, dense, SM Slate to 1 inch, hard drilling.
	20,29,32	17	18	SS	GP-GC		**Gravel w. Clay and Sand:** As above.
							TD Hole @ 43.5 ft. Backfilled wth native material, sand, and bentonite. Patched asphalt with cold patch.
45							
50							
55							
60							

BOREHOLE LOG: HSA-2 (CPT-5

Project:
Drilling Method: Hollow-stem Auger
Date Began: 10-13-04
Date Completed: 10-14-04
Elevation (ft.): 160.7
North Coordinate: 4857
East Coordinate: 10019

Logged by: JLTO
Driller: Paul
Drill Rig: City of LA CME 75
Borehole Depth (ft.): 52
Groundwater Depth (ft.): 44

City of Los Angeles
Department of Water & Power

Depth (ft)	N Value	Sample Number	Recovery (in)	Sample Type	USCS Symbol	Graphic Log	Soil Description
							Ground Surface
0							**Asphalt and CAB:**
	na	1	na	Grab	SC/CL		**Clayey Sand to Sandy Clay:** Dark grey brown, sl damp, sl plastic, soft. **Notes:** SH = Shelby Tube (2 ft) SPT = Standard Penetration Test w/o liners. CM = Calif. Mod Split Spoon (2 ft) Bag Sample 0 - 5 ft.
5	na	2	22	SH	SC		**Silty Clayey Sand:** Dark brown,sl damp, plastic, soft, tr gravel up to 1 inch, tip of Shelby tube bent.
	4,3,5	3	18	SS	CL		**Silty Clay:** Medium brown, v sl damp, sl plastic soft. Bag Sample 5 - 10 ft.
10	na	4	25	SH	CL SC		**Gravelly Silty Clay w. Sand:** Medium brown, v sl damp, sl plastic, soft, cont. 10% Santa Monica (SM) slate gravel to 1/4 inch. **Clayey Sand:**
	3,2,4	5	15	SS	CL		**Silty Sandy Clay w. Gravel:** Medium brown, v sl damp, sl plastic, soft, cont. vf gr sand and 5-10% SM slate gravel to 1/8 inch. Bag Sample 10-15 ft.
15	na	6	26	SH	CL SC-SM		**Sandy Clay:** **Silty Clayey Sand w. Gravel:** Medium brown, v sl damp, vf gr, p grded, subrnd, loose, cont. 10% SM slate to 1/8 inch.
	4,3,5	7	17	SS	SC		**Clayey Sand w. Gravel:** Medium brown, v sl damp, vf gr cont. tr SM slate gravel to 1/8 inch. Bag Sample 15-20 ft.
20							

BOREHOLE LOG: HSA-2 (CPT-5

Project:
Drilling Method: Hollow-stem Auger
Date Began: 10-13-04
Date Completed: 10-14-04
Elevation (ft.): 160.7
North Coordinate: 4857
East Coordinate: 10019

Logged by: JLTO
Driller: Paul
Drill Rig: City of LA CME 75
Borehole Depth (ft.): 52
Groundwater Depth (ft.): 44

City of Los Angeles
Department of Water & Power

Depth (ft)	N Value	Sample Number	Recovery (in)	Sample Type	USCS Symbol	Graphic Log	Soil Description
	na	8	25	SH	SC		**Clayey Sand w. Gravel:** As above.
	5,4,13	9	16	SS	SC		**Clayey Sand w. Gravel:** As above.
25	na	10	26	SH	GP-GC		**Gravel w. Clay and Sand:** Medium brown, sl damp, sand is very fine grain.
	5,7,5	11	18	SS	CL		**Silty Clay:** Mottled grey and medium brown, sl damp, sl plastic soft.
30	na	12	27	SH	GP-GC		**Gravel w. Clay and Sand:** Medium brown, v sl damp, vf gr p grded, subrnd, loose.
					CL-ML		**Sandy Silty Clay:**
	6,5,8	13	20	SS	CL-ML		**Silty Clay:** Mottled grey and medium brown, sl damp, sl plastic, soft.
35	na	14	26	SH	CL		**Clay w. Sand:** Medium grey brown, sl damp, plastic, soft.
					CL-ML		**Silty Clay w. Sand:**
	10,6,7	15	16	SS	CL-ML		**Silty Clay w. Sand:**
					SM		**Gravelly Silty Sand:** Vf grain, cont. SM slate to 1/8 inch.
40							

BOREHOLE LOG: HSA-2 (CPT-5

Project:
Drilling Method: Hollow-stem Auger
Date Began: 10-13-04
Date Completed: 10-14-04
Elevation (ft.): 160.7
North Coordinate: 4857
East Coordinate: 10019

Logged by: JLTO
Driller: Paul
Drill Rig: City of LA CME 75
Borehole Depth (ft.): 52
Groundwater Depth (ft.): 44

City of Los Angeles
Department of Water & Power

Depth (ft)	N Value	Sample Number	Recovery (in)	Sample Type	USCS Symbol	Graphic Log	Soil Description
	na	16	26	SH	CL		**Sandy Clay:** Medium brown, sl damp, plastic,stiff, cont. vf gr sand, tr SM slate gravel to 1/8 inch.
	8,12,21	17	22	SS	CL		**Sandy Clay:** As above.
					SC		**Clayey Sand w. Gravel:** SM slate gravel to 1 inch, damp, hard drilling.
45	na	18	15	CM	SC		**Clayey Sand w. Gravel:** As above, wet, Groundwater at 44 ft.
	20,25,36	19	12	SS	SC		**Clayey Sand w. Gravel:** As above.
50	na	20	4	CM	SC		**Clayey Sand w. Gravel:** Sample fell out of sampler during recovery, probably a clayey sand as above.
							TD Hole @ 52 ft. Backfilled with native material, sand and bentonite. Patched asphalt with cold patch.
55							
60							

BOREHOLE LOG: HSA-3 (CPT-2

Project:
Drilling Method: Hollow-stem Auger
Date Began: 10-14-04
Date Completed: 10-14-04
Elevation (ft.): 162.8
North Coordinate: 4964
East Coordinate: 10090

Logged by: JLTO
Driller: Paul
Drill Rig: City of LA CME 75
Borehole Depth (ft.): 48.5
Groundwater Depth (ft.): 44

City of Los Angeles
Department of Water & Power

Depth (ft)	N Value	Sample Number	Recovery (in)	Sample Type	USCS Symbol	Graphic Log	Soil Description
							Ground Surface
0							**Asphalt and CAB:**
	na	1	na	Grab	SC/CL		**Silty Clay to Clayey Sand:** Dark brown, sl damp, non-sl plastic, soft. **Notes:** SH = Shelby Tube (2 ft). SPT = Standard Penetration Test w/o liners. CM = Calif. Mod Split-spoon (2 ft).
5	na	2	26	SH	CL		**Silty Clay w. Sand:** Dark brown, sl damp, sl plastic, soft.
	3,3,5	3	14	SS	CL		**Silty Clay:** Medium dark brown, v sl damp, sl plastic soft, contains a trace of Santa Monica (SM) slate. Bag Sample 3 - 10 ft.
10	na	4	27	SH	CL		**Gravelly Sandy Clay:** Dark brown, v sl damp, soft, cont. 20% SM slate to 3/4 inch.
					SC		**Clayey Sand:**
	4,3,7	5	16	SS	CL		**Gravelly Sandy Clay:** As above.
					SM		**Gravelly Silty Sand:** Vf - m gr, p grded, subrnd, loose, cont. 20% SM slate to 1/2 inch. Bag Sample 10 - 15 ft.
15	na	6	27	SH	CL		**Sandy Clay:** Dark brown to black, v sl damp.
					SC-SM		**Clayey Sand w. Gravel:** Dark brown to black, v sl damp, sand is vf grain, SM slate to 1/4 inch. Gravel is angular and platy in shape.
	18,20,18	7	16	SS	SP		**Gravelly Sand:** Dark brown, to dark grey brown, v sl damp, vf-f gr, p grded subang, dense, cont 30% SM slate to 1 inch.
20							

BOREHOLE LOG: HSA-3 (CPT-2

Project:
Drilling Method: Hollow-stem Auger
Date Began: 10-14-04
Date Completed: 10-14-04
Elevation (ft.): 162.8
North Coordinate: 4964
East Coordinate: 10090

Logged by: JLTO
Driller: Paul
Drill Rig: City of LA CME 75
Borehole Depth (ft.): 48.5
Groundwater Depth (ft.): 44

City of Los Angeles
Department of Water & Power

Depth (ft)	N Value	Sample Number	Recovery (in)	Sample Type	USCS Symbol	Graphic Log	Soil Description
	na	8	26	SH	SC		**Clayey Sand:**
					SC-SM		**Silty Clayey Sand w. Gravel:** Medium brown, v sl damp, sl platic, firm, cont. 10% SM slate to 1/4 inch.
	6,5,8	9	16	SS	CL		**Gravelly Silty Clay:** Medium grey brown, v sl damp, sl plastic to plastic, soft, cont tr of vf gr sand and 5 - 10% SM slate gravel to 1 inch.
25	na	10	27	SH	SC		**Gravelly Clayey Sand:** Dark grey brown, v sl damp, vf-m gr, p grded, subang, loose, cont. 20% SM slate to 1/2 inch.
	6,7,6	11	18	SS	SC		**Gravelly Clayey Sand:** As above.
					CL		**Clay:** Medium grey brown, v sl damp,sl plastic, soft, contains a 1 inch sand lense.
30	na	12	26	SH	CL		**Sandy Clay w. Gravel:** Medium grey brown, v sl damp, cont vf gr sand.
	16,5,19	13	18	SS	CL		**Sandy Clay w. Gravel:** As above.
35	na	14	26	SH	CL		**Clay w. Sand:**
					SC-SM		**Silty Clayey Sand w. Gravel:** Grey brown, v sl damp, vf - m gr, p grded, subang, dense, cont SM slate to 1/8 inch, tip of Shelby damaged.
	13,13,19	15	23	SS	SC-SM		**Silty Clayey Sand w. Gravel:** As above.
					CL		**Gravelly Silty Clay:** Grey brown, damp, sl plastic, cont 20% gravel, tr m gr golden sand.
40							

BOREHOLE LOG: HSA-3 (CPT-2

Project:
Drilling Method: Hollow-stem Auger
Date Began: 10-14-04
Date Completed: 10-14-04
Elevation (ft.): 162.8
North Coordinate: 4964
East Coordinate: 10090

Logged by: JLTO
Driller: Paul
Drill Rig: City of LA CME 75
Borehole Depth (ft.): 48.5
Groundwater Depth (ft.): 44

City of Los Angeles
Department of Water & Power

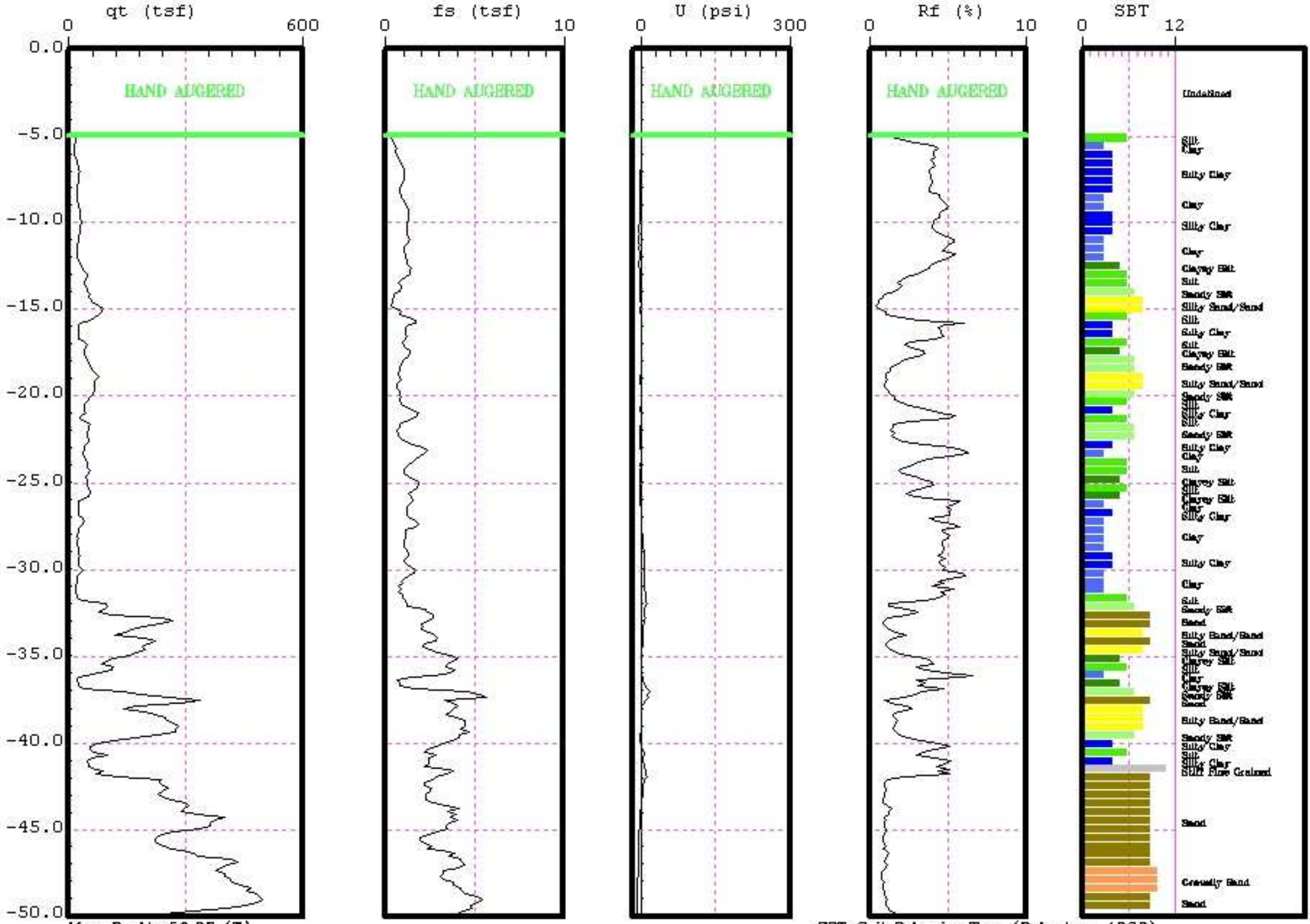
Depth (ft)	N Value	Sample Number	Recovery (in)	Sample Type	USCS Symbol	Graphic Log	Soil Description
	na	16	22	SH	CL		**Sandy Clay:**
					SC-SM		**Silty Clayey Sand w. Gravel:** Dark grey to black, v sl damp, vf - m gr, cont SM slate gravel to 1/2 inch.
	20,30,27	17	18	SS	SC-SM		**Silty Clayey Sand w. Gravel:** As above.
45							
	na	18	15	CM	SW-SC		**Sand w. Clay and Gravel:** Dark grey to black, wet, (GW @ 44 ft), gravel is SM slate, planer shaped w rounded edges, size is up to 1 inch. Sand is vf - m gr, dense, hard drilling.
	15,14,17	19	15	SS	SW-SC		**Sand w. Clay and Gravel:** As above, decreasing silt content.
							TD Hole @ 48.5 ft. Backfilled with native material, sand, and bentonite. Patched asphalt with cold patch.
50							
55							
60							

GREGG

LAWDP

Site: WEST LA DIST HQ
Location: CPT-01

Engineer: J. OWEN
Date: 09:28:04 10:06



Max. Depth: 50.03 (ft)
Depth Inc.: 0.164 (ft)

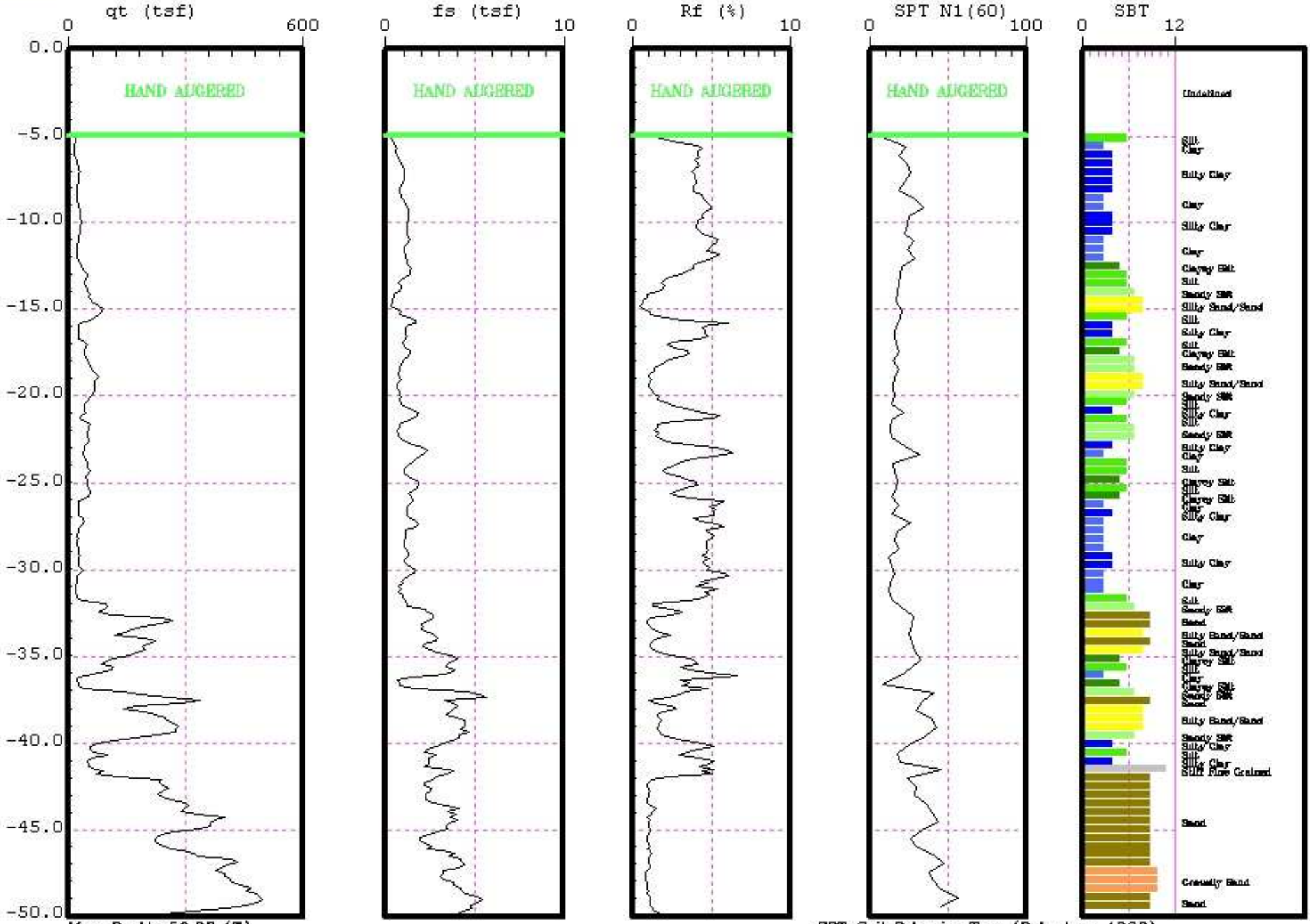
SBT: Soil Behavior Type (Robertson 1990)

GREGG

LAWDP

Site: WEST LA DIST HQ
Location: CPT-01

Engineer: J. OWEN
Date: 09:28:04 10:06



Max. Depth: 50.03 (ft)
Depth Inc.: 0.164 (ft)

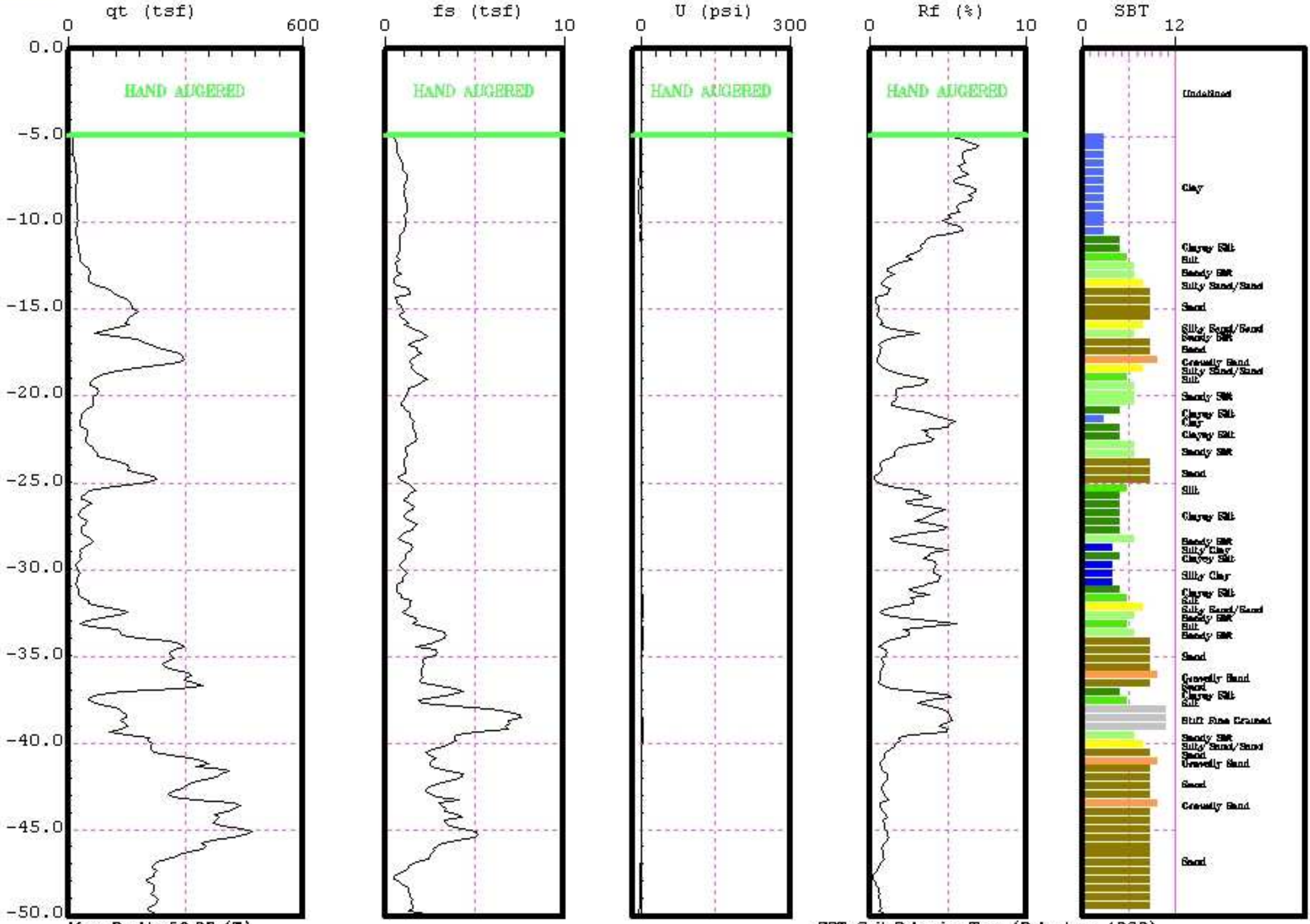
SBT: Soil Behavior Type (Robertson 1990)

GREGG

LAWDP

Site: WEST LA DIST HQ
Location: CPT-02

Engineer: J. OWEN
Date: 09:28:04 10:36



Max. Depth: 50.03 (ft)
Depth Inc.: 0.164 (ft)

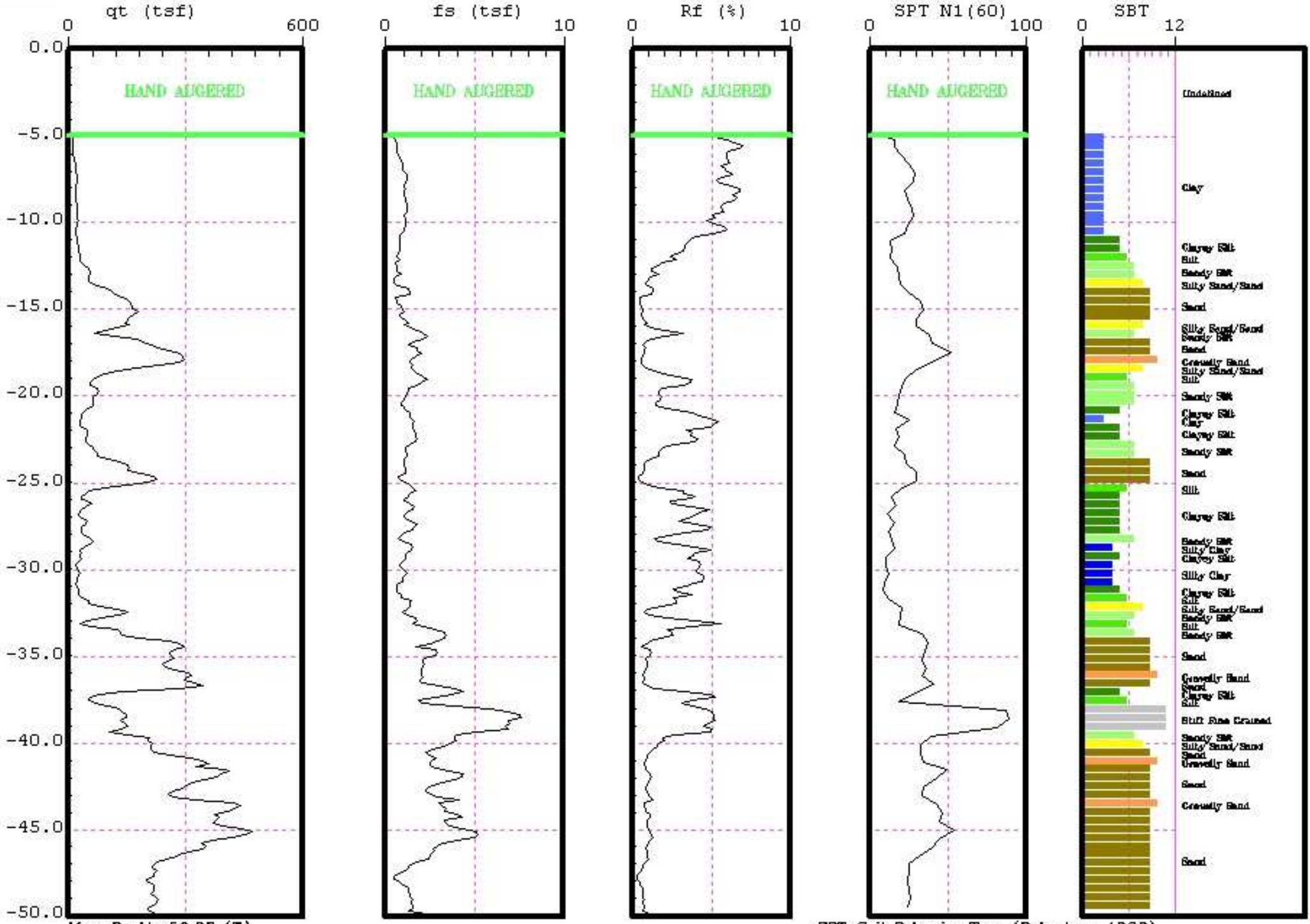
SBT: Soil Behavior Type (Robertson 1990)

GREGG

LAWDP

Site: WEST LA DIST HQ
Location: CPT-02

Engineer: J. OWEN
Date: 09:28:04 10:36



Max. Depth: 50.03 (ft)
Depth Inc.: 0.164 (ft)

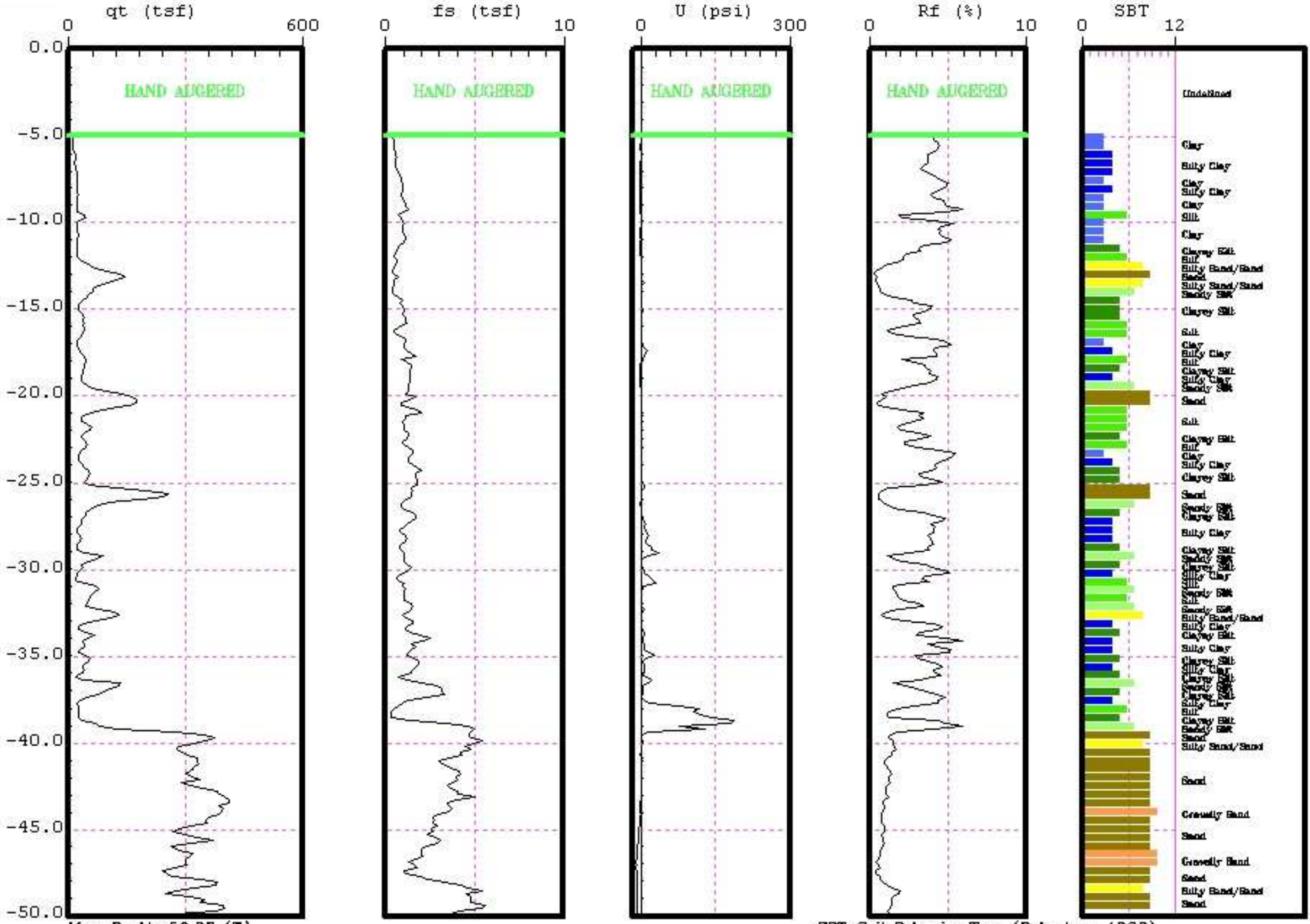
SBT: Soil Behavior Type (Robertson 1990)

GREGG

LAWDP

Site: WEST LA DIST HQ
Location: CPT-03

Engineer: J. OWEN
Date: 09:28:04 11:00



Max. Depth: 50.03 (ft)
Depth Inc.: 0.164 (ft)

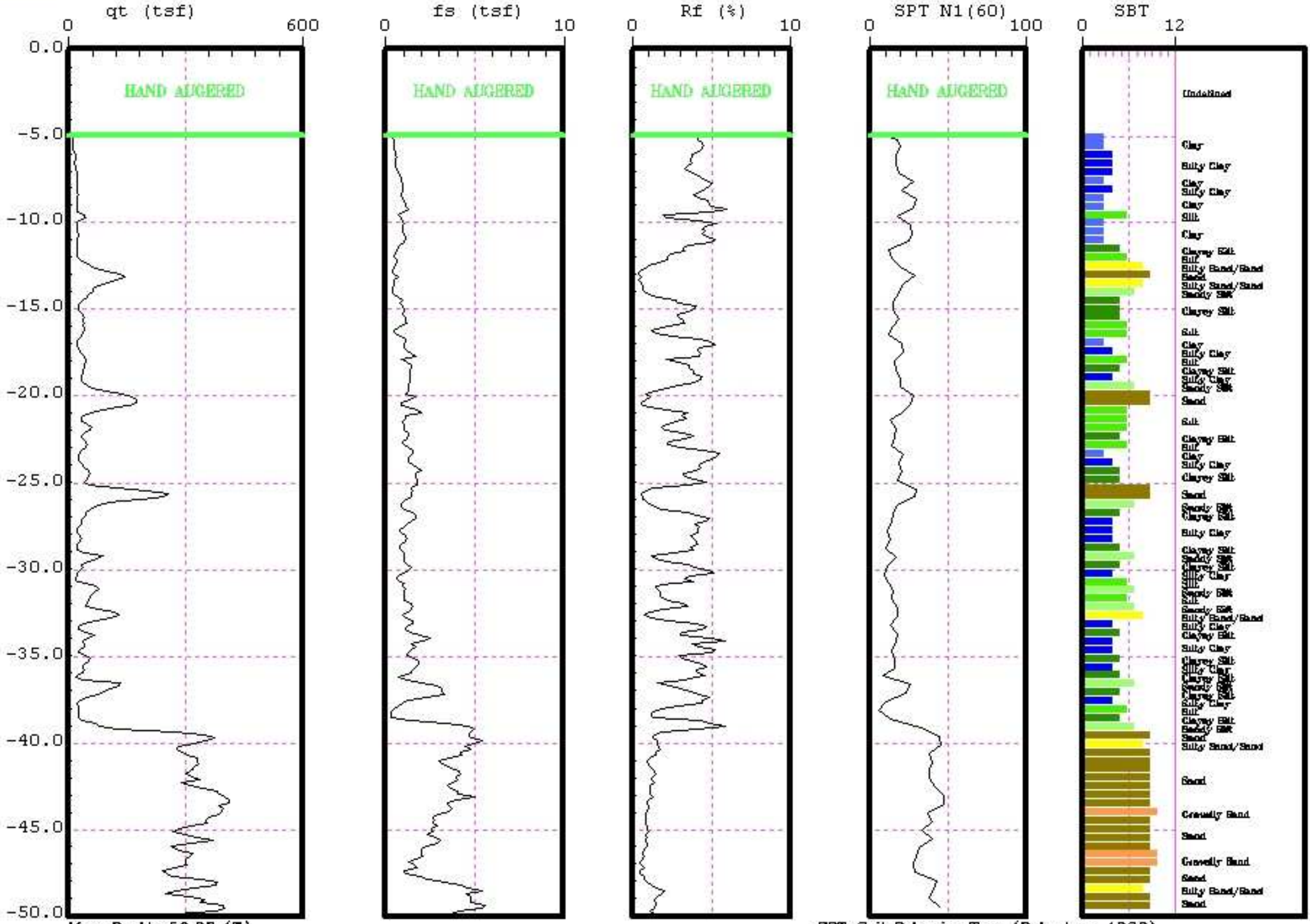
SBT: Soil Behavior Type (Robertson 1990)

GREGG

LAWDP

Site: WEST LA DIST HQ
Location: CPT-03

Engineer: J. OWEN
Date: 09:28:04 11:00



Max. Depth: 50.03 (ft)
Depth Inc.: 0.164 (ft)

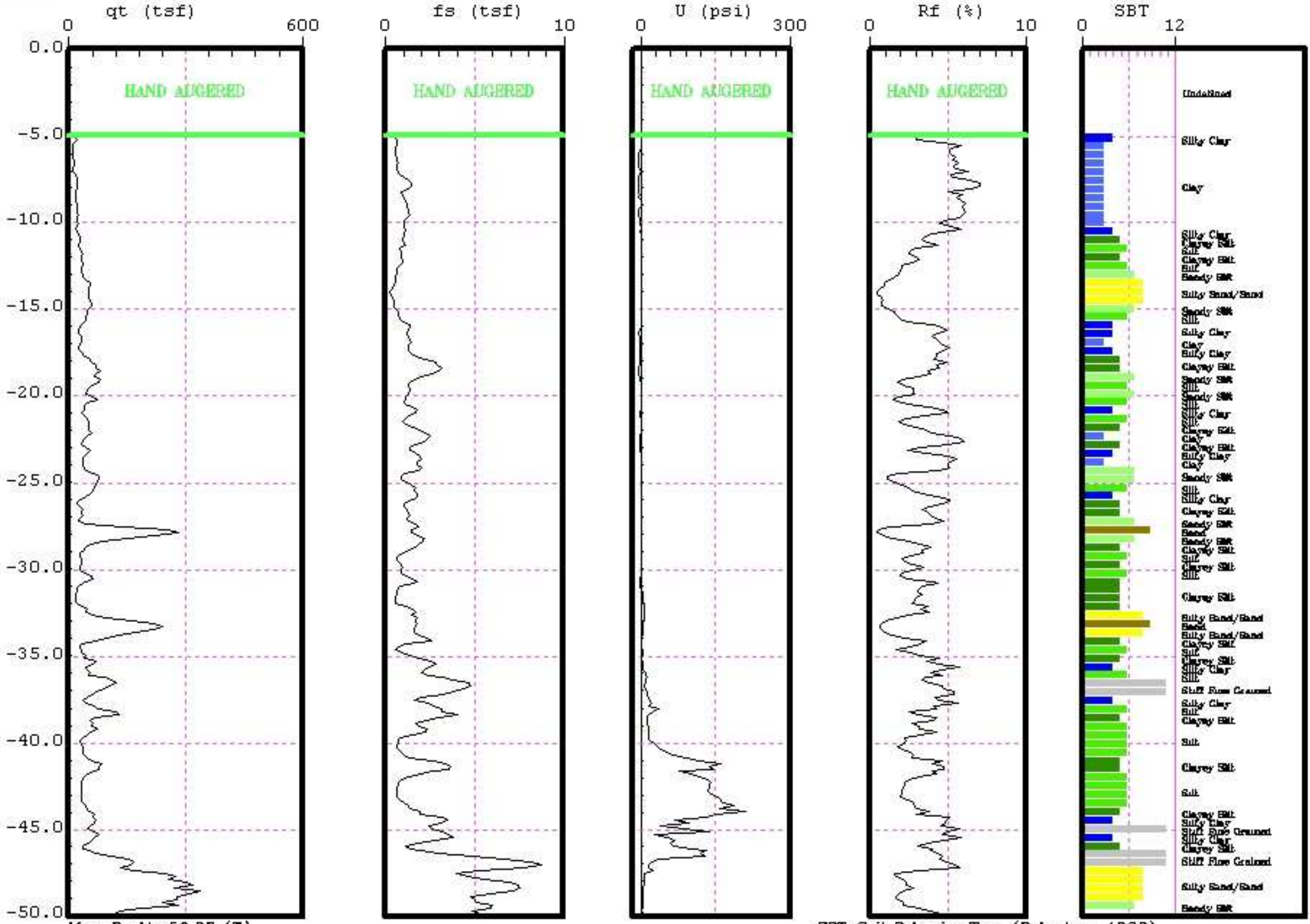
SBT: Soil Behavior Type (Robertson 1990)

GREGG

LAWDP

Site: WEST LA DIST HQ
Location: CPT-04

Engineer: J. OWEN
Date: 09:28:04 11:27



Max. Depth: 50.03 (ft)
Depth Inc.: 0.164 (ft)

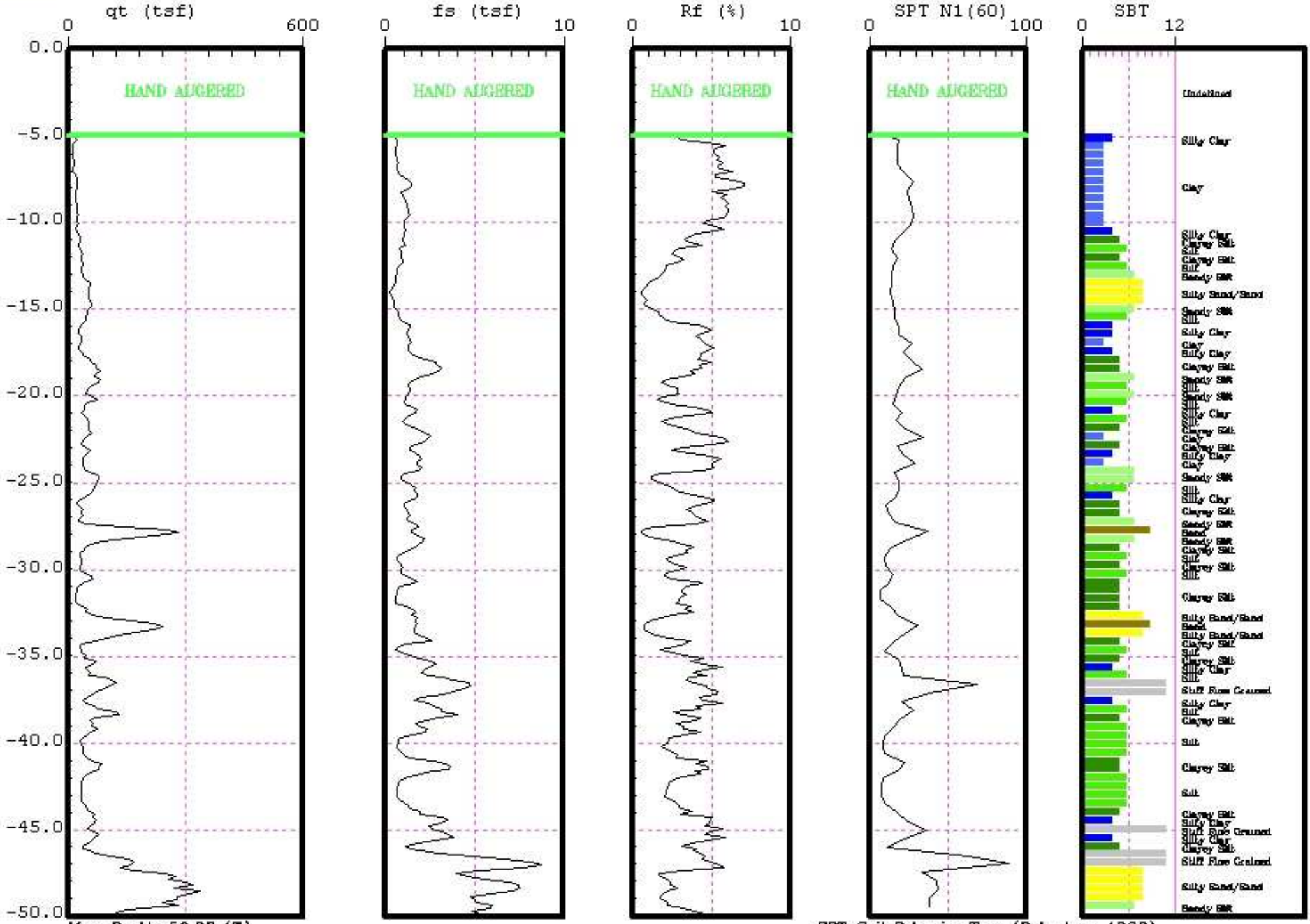
SBT: Soil Behavior Type (Robertson 1990)

GREGG

LAWDP

Site: WEST LA DIST HQ
Location: CPT-04

Engineer: J. OWEN
Date: 09:28:04 11:27



Max. Depth: 50.03 (ft)
Depth Inc.: 0.164 (ft)

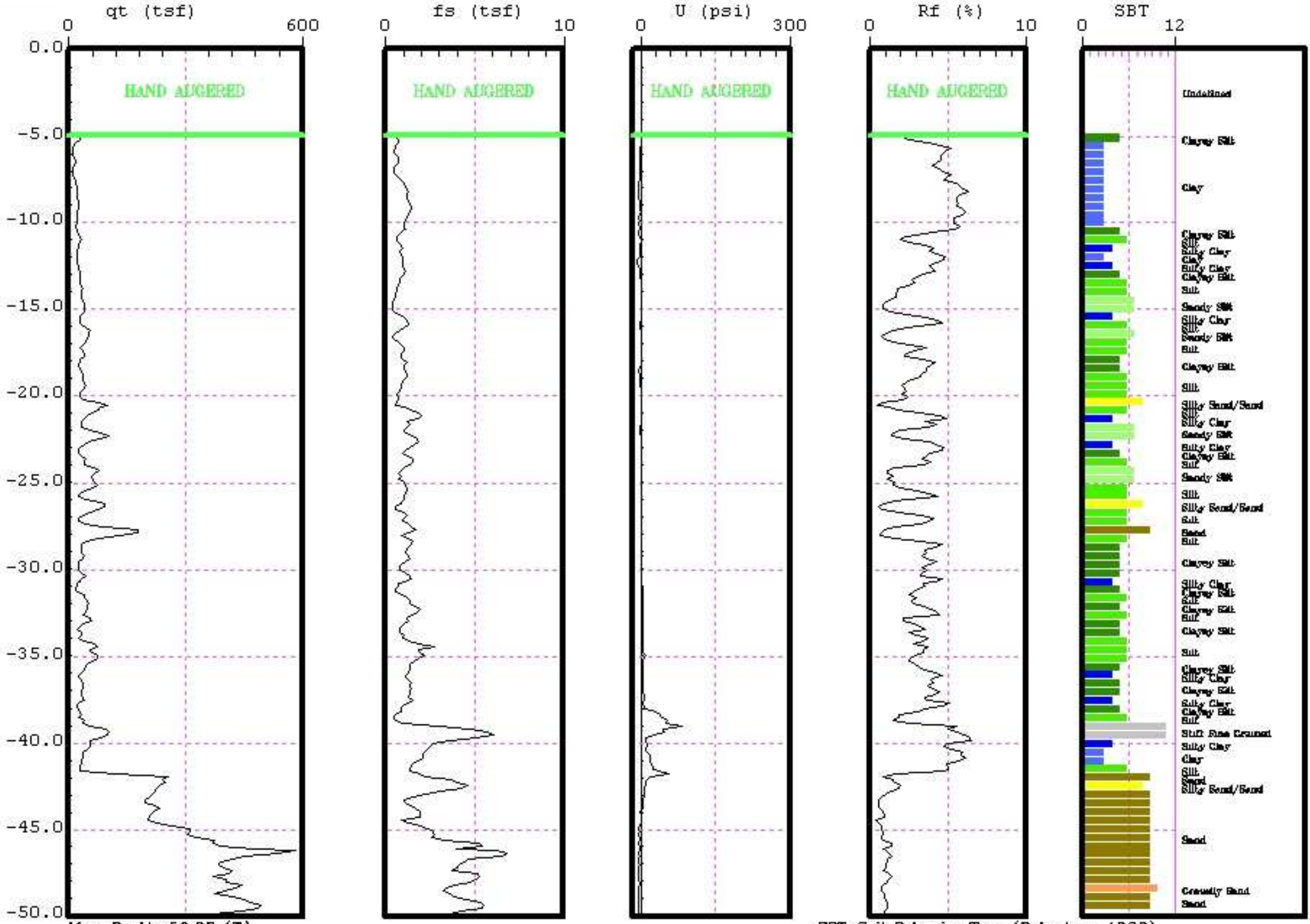
SBT: Soil Behavior Type (Robertson 1990)

GREGG

LAWDP

Site: WEST LA DIST HQ
Location: CPT-05

Engineer: J. OWEN
Date: 09:28:04 12:33



Max. Depth: 50.03 (ft)
Depth Inc.: 0.164 (ft)

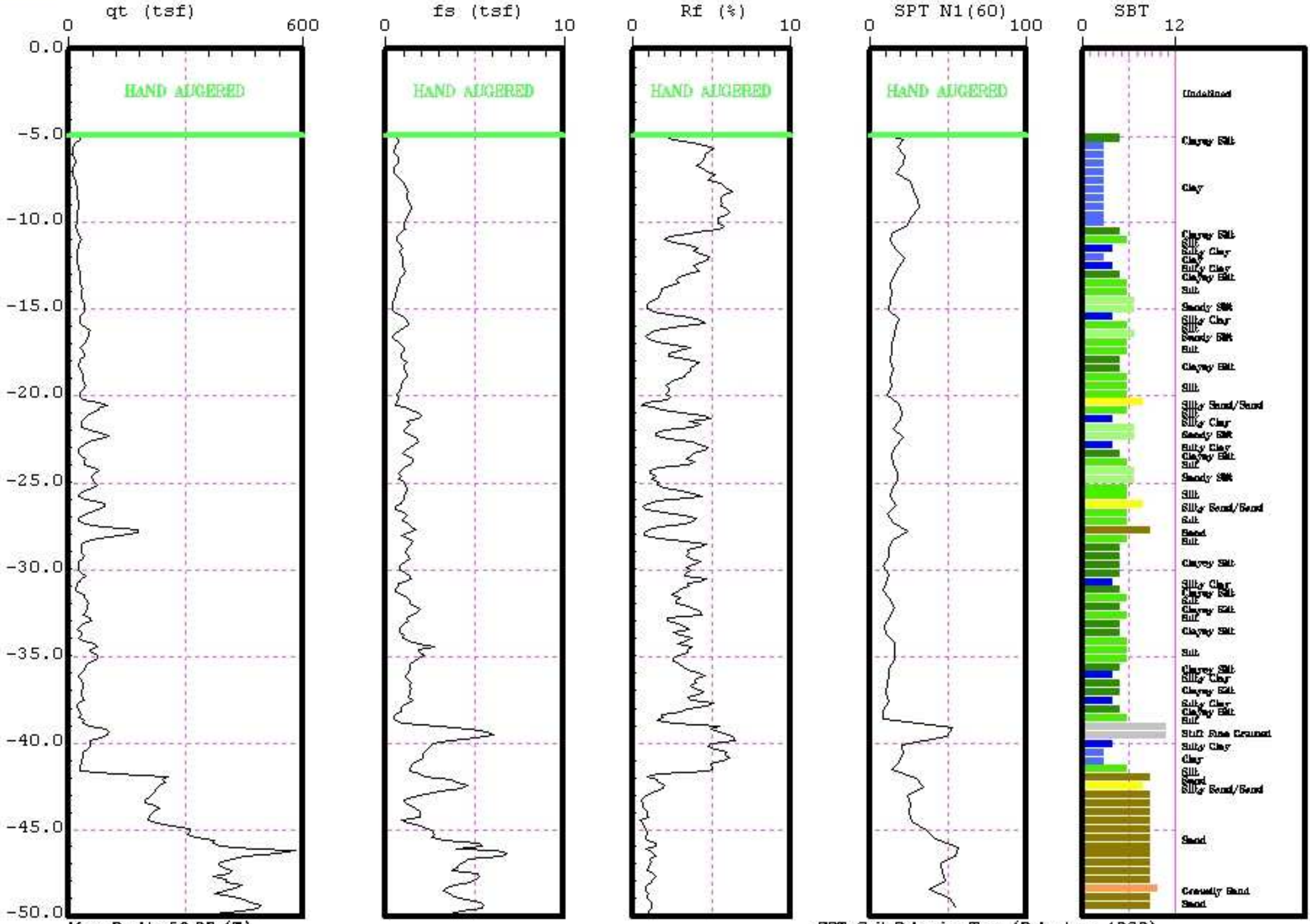
SBT: Soil Behavior Type (Robertson 1990)

GREGG

LAWDP

Site: WEST LA DIST HQ
Location: CPT-05

Engineer: J. OWEN
Date: 09:28:04 12:33



Max. Depth: 50.03 (ft)
Depth Inc.: 0.164 (ft)

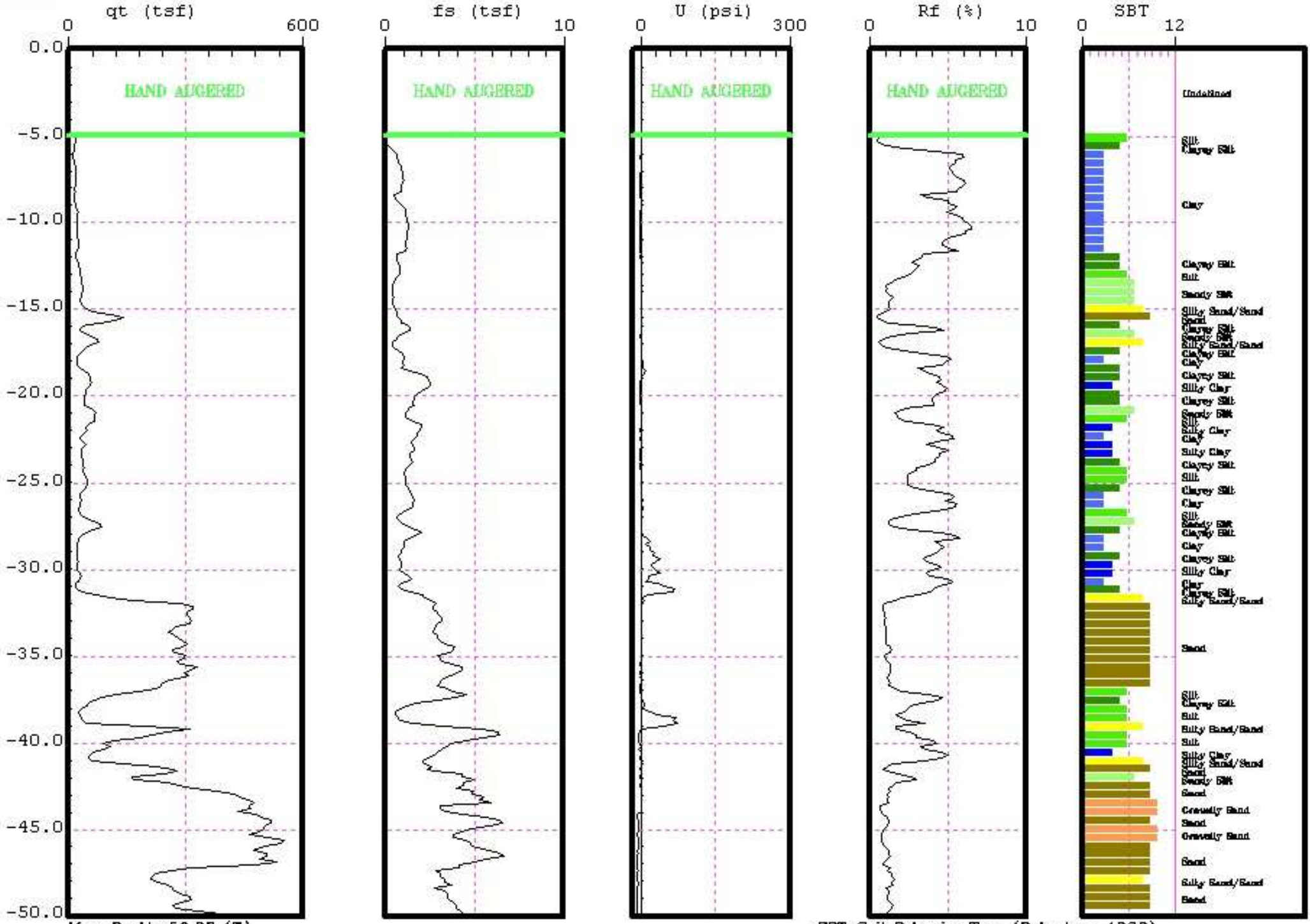
SBT: Soil Behavior Type (Robertson 1990)

GREGG

LAWDP

Site: WEST LA DIST HQ
Location: CPT-06

Engineer: J. OWEN
Date: 09:28:04 11:55



Max. Depth: 50.03 (ft)
Depth Inc.: 0.164 (ft)

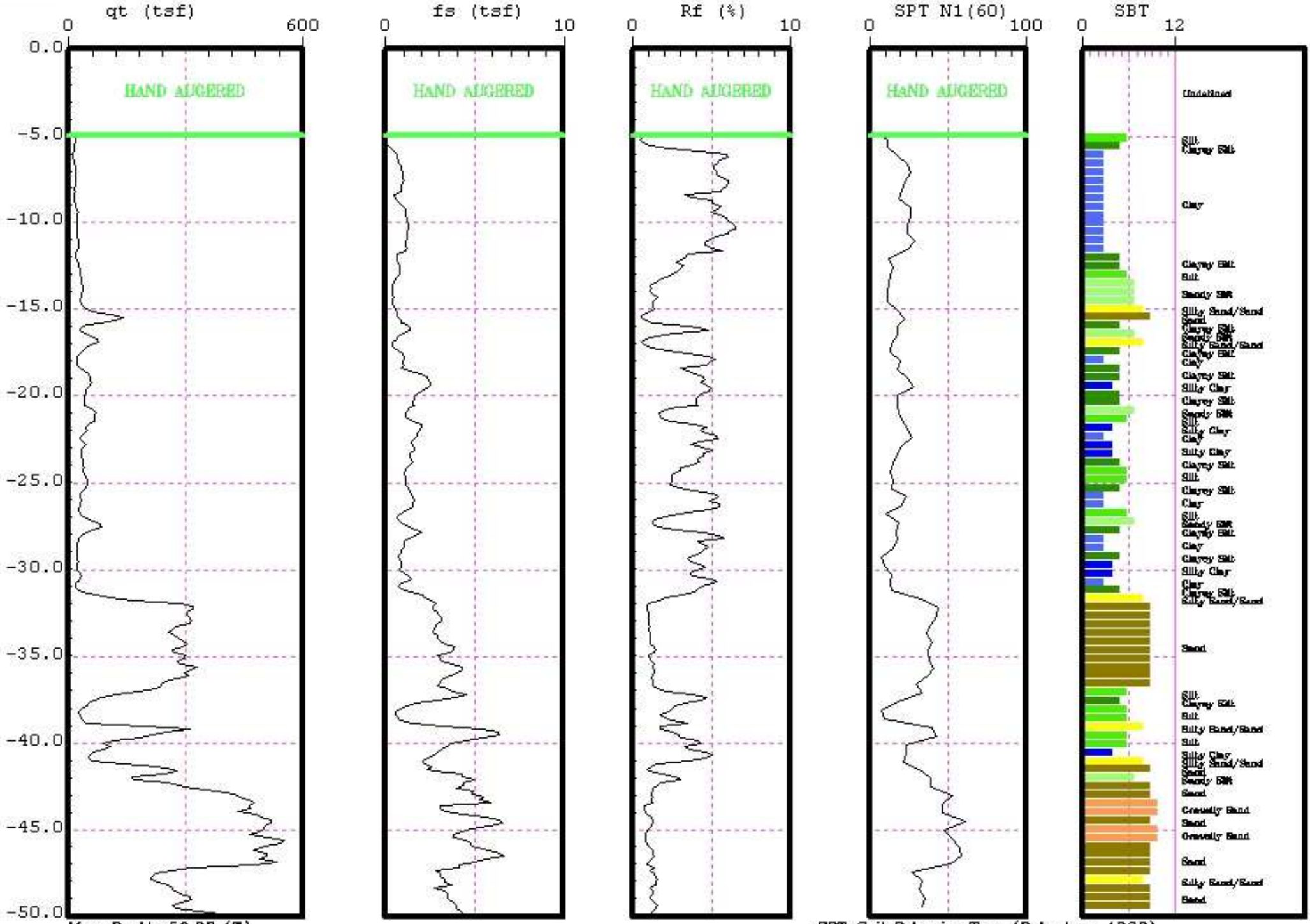
SBT: Soil Behavior Type (Robertson 1990)

GREGG

LAWDP

Site: WEST LA DIST HQ
Location: CPT-06

Engineer: J. OWEN
Date: 09:28:04 11:55



Max. Depth: 50.03 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING AND TECHNICAL SERVICES BUSINESS UNIT
SOILS AND MATERIALS TESTING SQUAD

WEST L.A. DISTRIBUTION HEAD QUARTERS
SITE INVESTIGATION TESTING - SELECTIVE PRIMARY TESTING PROCEDURE (SIT-SPTP).
UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D2487-00), VISUAL-MANUAL PROCEDURE (ASTM D2488-00), WATER CONTENT (ASTM D2216-98), AND IN-PLACE UNIT WEIGHT (ASTM D2937-00).

Sample Type[1]	Hole No.	Depth (ft.)[2]	Classification of Soils for Engineering Purposes (Unified Soil Classification System)[4]												Water Content	In-Place Dry Unit Weight
			Maximum Particle Size[3]	Sieve Analysis-Percent Passing (%) (US Standard Sieve Size)					Coefficients[5]		Atterberg Limits[6]		Soil Classification[7]	Reference[8]		
				3/4 in.	No. 4	No. 10	No. 40	No. 200	Uniformity (Cu)	Curvature (Cc)	Liquid Limit (LL)	Plasticity Index (PI)			(%)	(pcf)
B	HSA-1	0.0-5.0	No. 4	100.0	96.3	92.8	85.1	62.4	ND	ND	33	15	CL, SANDY LEAN CLAY			
S	HSA-1	5.0	No. 4	100.0	98.1	96.3	92.6	77.1	ND	ND	34	14	CL, LEAN CLAY W/SAND		17.0	110.0
B	HSA-1	5.0-10.0	No. 4	100.0	98.7	96.9	93.0	76.3	ND	ND	34	18	CL, LEAN CLAY W/SAND			
S	HSA-1	10.0 (T)	No. 4	100.0	98.8	96.7	92.1	72.8	ND	ND	37	20	CL, LEAN CLAY W/SAND	REFERENCE	17.4	102.2
S	HSA-1	10.0 (B)	3/8-in.	100.0	87.9	79.6	65.9	42.8	ND	ND	25	9	SC, CLAYEY SAND	REFERENCE	10.7	108.4
B	HSA-1	10.0-15.0	No. 4	100.0	93.2	88.3	82.2	63.2	ND	ND	31	17	CL, SANDY LEAN CLAY			
S	HSA-1	15.0 (T)	No. 4	100.0	96.1	92.4	85.4	63.6	ND	ND	31	14	CL, SANDY LEAN CLAY	REFERENCE	14.2	100.7
S	HSA-1	15.0 (B)	3/4-in.	96.9	80.6	68.1	45.7	27.7	ND	ND	26	7	SC-SM, SILTY CLAYEY SAND W/GRAVEL	REFERENCE	9.2	105.2
B	HSA-1	15.0-20.0	No. 4	100.0	91.5	81.9	68.9	52.6	ND	ND	30	13	CL, SANDY LEAN CLAY			
S	HSA-1	20.0 (T)	3/8-in.	100.0	94.6	89.2	75.4	47.6	ND	ND	27	11	SC, CLAYEY SAND		9.8	(9)
S	HSA-1	20.0 (B)	3/4-in.	84.9	52.7	36.0	23.4	11.4	ND	ND	23	6	GP-GC, POORLY GRADED GRAVEL W/CLAY & SAND	REFERENCE	5.0	(9)
S	HSA-1	25.0 (T)	No. 10	100.0	100.0	99.6	97.8	86.3	ND	ND	33	11	CL, LEAN CLAY		18.5	106.7
S	HSA-1	25.0 (B)	3/8-in.	100.0	77.1	60.5	29.3	11.3	33.3	1.6	23	7	SW-SC, WELL GRADED SAND W/CLAY & GRAVEL		5.2	120.1
S	HSA-1	30.0 (T)	No. 4	100.0	99.1	97.2	91.6	76.4	ND	ND	31	15	CL, LEAN CLAY W/SAND		16.0	103.2
S	HSA-1	30.0 (B)	3/4-in.	93.4	70.7	56.8	34.1	11.5	ND	ND	NP	NP	SP-SM, POORLY GRADED SAND W/SILT AND GRAVEL		4.8	114.2
S	HSA-1	35.0 (T)	3/8-in.	100.0	78.5	61.6	35.4	21.4	ND	ND	21	3	SM, SILTY SAND W/GRAVEL		5.1	110.8
S	HSA-1	35.0 (B)	3/8-in.	100.0	97.9	97.2	95.9	60.1	ND	ND	27	8	CL, SANDY LEAN CLAY		13.5	102.5
S	HSA-1	40.0	3/4-in.	74.2	22.2	18.6	13.1	5.9	61.9	13.2	24	9	GP-GC, POORLY GRADED GRAVEL W/CLAY & SAND		8.1	125.8

NOTES:

1. S = SHELBY TUBE, B= BULK BAG.
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3. MAXIMUM NOMINAL PARTICLE SIZE RETAINED ON A US STANDARD SIEVE.
4. CELLS LEFT BLANK AND WITH A GROUP SYMBOL AND GROUP NAME (SOIL CLASSIFICATION) INDICATE THAT A SOIL CLASSIFICATION WAS ASSIGNED TO THE SAMPLE. SEE FOOTNOTES NUMBER 7 AND 8.
5. ND = NOT DETERMINED. COEFFICIENTS DO NOT HAVE TO BE DETERMINED WHEN MORE THAN 12% OF THE TEST SPECIMEN PASSES THE NO. 200 SIEVE.
6. NP = NON-PLASTIC.
7. SOIL CLASSIFICATIONS PRESENTED IN BOLD TYPE INDICATE TESTING AS PER USCS, ASTM D2487-00. SOIL CLASSIFICATIONS PRESENTED IN REGULAR TYPE WERE DETERMINED IN GENERAL ACCORDANCE WITH THE VISUAL-MANUAL PROCEDURE, ASTM D2488-00. SEE FOOTNOTE NUMBER 8.
8. REFERENCE = SAMPLE SERVES TO ASSIGN A SOIL CLASSIFICATION TO A SIMILAR SOIL TYPE(S) OBSERVED WITHIN THE BORING AND/OR OTHER BORING(S). SEE FOOTNOTE 7.
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   ↑ = SAMPLE WAS ASSIGNED A SOIL CLASSIFICATION, ITS REFERENCE IS LOCATED AT A SHALLOWER DEPTH WITHIN THE BORING.
   Boring No. @ Depth = SAMPLE WAS ASSIGNED A SOIL CLASSIFICATION, ITS REFERENCE IS LOCATED AT THE INDICATED BORING NO. AND DEPTH.
9. UNABLE TO DETERMINE DUE TO THE POOR QUALITY OF THE SAMPLE.

Jesus Nunez, 3-4-05

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING AND TECHNICAL SERVICES BUSINESS UNIT
SOILS AND MATERIALS TESTING SQUAD

WEST L.A. DISTRIBUTION HEAD QUARTERS
SITE INVESTIGATION TESTING - SELECTIVE PRIMARY TESTING PROCEDURE (SIT-SPTP).
UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D2487-00), VISUAL-MANUAL PROCEDURE (ASTM D2488-00), WATER CONTENT (ASTM D2216-98), AND IN-PLACE UNIT WEIGHT (ASTM D2937-00).

Sample Type[1]	Hole No.	Depth (ft.)[2]	Classification of Soils for Engineering Purposes (Unified Soil Classification System)[4]												In-Place Dry Unit Weight (pcf)
			Maximum Particle Size[3]	Sieve Analysis-Percent Passing (%) (US Standard Sieve Size)					Coefficients[5]		Atterberg Limits[6]		Soil Classification[7]	Reference[8]	
				3/4 in.	No. 4	No. 10	No. 40	No. 200	Uniformity (Cu)	Curvature (Cc)	Liquid Limit (LL)	Plasticity Index (PI)			Water Content (%)
B	HSA-2	0.0-5.0	No. 4	100.0	91.5	82.1	67.4	47.1	ND	ND	32	13	**SC, CLAYEY SAND**		
S	HSA-2	5.0	No. 4	100.0	97.4	95.9	91.8	75.2	ND	ND	38	19	**CL, LEAN CLAY W/SAND**		21.1
B	HSA-2	5.0-10.0	No. 4	100.0	97.4	94.0	85.1	64.2	ND	ND	31	12	**CL, SANDY LEAN CLAY**		
S	HSA-2	10.0 (T)											CL, LEAN CLAY W/SAND	B-1 @ 10.0 (T)	11.1
S	HSA-2	10.0 (B)											SC, CLAYEY SAND	B-1 @ 10.0 (B)	11.0
B	HSA-2	10.0-15.0	No. 4	100.0	88.1	79.8	69.5	50.4	ND	ND	29	12	**CL, SANDY LEAN CLAY**		
S	HSA-2	15.0 (T)											CL, SANDY LEAN CLAY	B-1 @ 15.0 (T)	13.4
S	HSA-2	15.0 (B)											SC-SM, SILTY CLAYEY SAND W/GRAVEL	B-1 @ 15.0 (B)	7.4
B	HSA-2	15.0-20.0	No. 4	100.0	88.5	76.1	61.3	42.7	ND	ND	28	13	**SC, CLAYEY SAND**		
S	HSA-2	20.0	3/4-in.	93.0	80.0	70.5	57.2	33.5	ND	ND	27	9	**SC, CLAYEY SAND W/GRAVEL**		8.7
S	HSA-2	25.0 (T)											GP-GC, POORLY GRADED GRAVEL W/CLAY & SAND	B-1 @ 20.0 (B)	10.9
S	HSA-2	25.0 (B)											GP-GC, POORLY GRADED GRAVEL W/CLAY & SAND	B-1 @ 20.0 (B)	9.4
S	HSA-2	30.0 (T)											GP-GC, POORLY GRADED GRAVEL W/CLAY & SAND	B-1 @ 20.0 (B)	9.3
S	HSA-2	30.0 (B)	No. 4	100.0	99.6	99.1	96.6	63.8	ND	ND	26	6	**CL-ML, SANDY SILTY CLAY**		15.7
S	HSA-2	35.0 (T)	No. 4	100.0	98.9	96.8	92.7	76.4	ND	ND	32	12	**CL, LEAN CLAY W/SAND**		16.8
S	HSA-2	35.0 (B)	No. 10	100.0	100.0	99.9	98.2	73.6	ND	ND	26	5	**CL-ML, SILTY CLAY W/SAND**		20.2
S	HSA-2	40.0	3/8-in.	100.0	96.9	93.9	86.5	61.3	ND	ND	27	10	**CL, SANDY LEAN CLAY**		14.7
S	HSA-2	45.0	3/4-in.	93.8	67.6	45.1	31.1	18.0	ND	ND	30	10	**SC, CLAYEY SAND W/GRAVEL**		13.9

NOTES:

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8. **REFERENCE** = SAMPLE SERVES TO ASSIGN A SOIL CLASSIFICATION TO A SIMILAR SOIL TYPE(S) OBSERVED WITHIN THE BORING AND/OR OTHER BORING(S). SEE FOOTNOTE 7.

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   Boring No. @ Depth = SAMPLE WAS ASSIGNED A SOIL CLASSIFICATION, ITS REFERENCE IS LOCATED AT THE INDICATED BORING NO. AND DEPTH.

Jesus Nunez, 3-4-05

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING AND TECHNICAL SERVICES BUSINESS UNIT
SOILS AND MATERIALS TESTING SQUAD

WEST L.A. DISTRIBUTION HEAD QUARTERS
SITE INVESTIGATION TESTING - SELECTIVE PRIMARY TESTING PROCEDURE (SIT-SPTP).
UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D2487-00), VISUAL-MANUAL PROCEDURE (ASTM D2488-00), WATER CONTENT (ASTM D2216-98), AND IN-PLACE UNIT WEIGHT (ASTM D2937-00).

Sample Type[1]	Hole No.	Depth (ft.)[2]	Classification of Soils for Engineering Purposes (Unified Soil Classification System)[4]													
			Maximum Particle Size[3]	Sieve Analysis-Percent Passing (%) (US Standard Sieve Size)					Coefficients[5]		Atterberg Limits[6]		Soil Classification[7]	Reference[8]	Water Content	In-Place Dry Unit Weight
				3/4 in.	No. 4	No. 10	No. 40	No. 200	Uniformity (Cu)	Curvature (Cc)	Liquid Limit (LL)	Plasticity Index (PI)			(%)	(pcf)
B	HSA-3	0.0-5.0	No. 4	100.0	93.7	85.5	71.1	50.6	ND	ND	32	15	CL, SANDY LEAN CLAY			
S	HSA-3	5.0	No. 4	100.0	96.6	95.7	93.8	71.9	ND	ND	33	12	CL, LEAN CLAY W/SAND		18.2	99.2
B	HSA-3	5.0-10.0	No. 4	100.0	97.8	95.1	90.8	75.6	ND	ND	35	17	CL, LEAN CLAY W/SAND			
S	HSA-3	10.0 (T)	No. 4	100.0	89.4	84.8	77.7	59.4	ND	ND	34	13	CL, SANDY LEAN CLAY		16.9	103.5
S	HSA-3	10.0 (B)											SC, CLAYEY SAND	B-1 @ 10.0 (B)	9.7	110.3
B	HSA-3	10.0-15.0	No. 4	100.0	90.8	80.9	69.6	47.1	ND	ND	32	16	SC, CLAYEY SAND			
S	HSA-3	15.0 (T)	No. 4	100.0	96.4	92.0	83.3	63.1	ND	ND	30	14	CL, SANDY LEAN CLAY		13.2	107.0
S	HSA-3	15.0 (B)	3/4-in.	90.2	58.2	43.4	27.0	12.8	ND	ND	27	8	SC/SC-SM, CLAYEY SAND W/GRAVEL		5.3	115.0
B	HSA-3	15.0-20.0	3/4-in.	96.3	66.8	51.4	39.4	27.9	ND	ND	30	13	SC, CLAYEY SAND W/GRAVEL			
S	HSA-3	20.0 (T)	3/8-in.	100.0	87.9	73.9	54.1	34.2	ND	ND	24	9	SC, CLAYEY SAND		8.3	108.8
S	HSA-3	20.0 (B)	3/8-in.	100.0	82.9	71.1	52.4	28.5	ND	ND	23	6	SC-SM, SILTY CLAYEY SAND W/GRAVEL		9.0	108.1
S	HSA-3	25.0 (T)	3/4-in.	97.7	82.3	75.4	64.2	42.9	ND	ND	28	12	SC, CLAYEY SAND W/GRAVEL		11.4	109.3
S	HSA-3	25.0 (B)	3/8-in.	100.0	92.1	83.3	61.9	45.2	ND	ND	28	11	SC, CLAYEY SAND		12.8	107.9
S	HSA-3	30.0 (T)	3/8-in.	100.0	94.0	88.0	75.4	54.9	ND	ND	29	14	CL, SANDY LEAN CLAY	REFERENCE	12.1	113.7
S	HSA-3	30.0 (B)											CL, SANDY LEAN CLAY	↑	11.4	114.4
S	HSA-3	35.0 (T)	No. 4	100.0	99.5	97.8	94.1	82.0	ND	ND	32	13	CL, LEAN CLAY W/SAND		17.6	97.6
S	HSA-3	35.0 (B)	3/8-in.	100.0	84.1	69.8	41.6	19.8	ND	ND	22	5	SC-SM, SILTY CLAYEY SAND W/GRAVEL		4.9	109.5
S	HSA-3	40.0 (2)											CL, SANDY LEAN CLAY	↓	9.1	112.8
S	HSA-3	40.0 (1) (T)	3/8-in.	100.0	95.0	86.7	73.4	56.4	ND	ND	29	13	CL, SANDY LEAN CLAY	REFERENCE	12.1	108.2
S	HSA-3	40.0 (1) (B)	3/4-in.	95.4	65.0	51.7	31.0	15.7	ND	ND	26	7	SC-SM, SILTY CLAYEY SAND W/GRAVEL		6.8	113.6
S	HSA-3	45.0	3/4-in.	87.2	59.7	44.0	20.6	9.6	59.4	2.5	22	4	SW-SC, WELL GRADED SAND W/CLAY & GRAVEL		7.5	128.4

NOTES:

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Boring No. @ Depth = SAMPLE WAS ASSIGNED A SOIL CLASSIFICATION, ITS REFERENCE IS LOCATED AT THE INDICATED BORING NO. AND DEPTH.

Jesus Nunez, 3-4-05

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING AND TECHNICAL SERVICES BUSINESS UNIT
SOILS AND MATERIALS TESTING SQUAD

WEST LA DISTRICT HEADQUARTERS
SOIL CLASSIFICATION (ASTM D2487-00).

DIRECT SHEAR TEST SPECIMENS

Hole No.	Depth (ft.)[1]	Classification of Soils for Engineering Purposes (Unified Soil Classification System)									
		Sieve Analysis-Percent Passing (%) (US Standard Sieve Size)					Coefficients		Atterberg Limits		Soil Classification
		3/4 in.	No. 4	No. 10	No. 40	No. 200	Uniformity (Cu)	Curvature (Cc)	Liquid Limit (LL)	Plasticity Index (PI)	
BLEND (HSA-1 & HSA-3)	0-5	99.6	93.7	86.1	72.0	46.4	ND	ND	29	13	SC, CLAYEY SAND
HSA-1	15	99.1	86.2	78.7	66.0	43.4	ND	ND	27	11	SC, CLAYEY SAND
HSA-2	5	100.0	94.0	89.1	77.3	35.8	ND	ND	29	11	SC, CLAYEY SAND
HSA-3	20 (T)	100.0	100.0	99.2	95.6	73.1	ND	ND	32	13	CL, LEAN CLAY W/SAND
HSA-3	25 (T)	98.6	96.1	94.3	90.1	79.8	ND	ND	32	14	CL, LEAN CLAY W/SAND

STEPHEN MACORITTO

OCT 20 2005

NOTES:

1. T = TOP OF SAMPLE, B = BOTTOM OF SAMPLE.

ND = NOT DETERMINED. COEFFICIENTS DO NOT HAVE TO BE DETERMINED WHEN MORE THAN 12% OF THE TEST SPECIMEN PASSES THE NO. 200 SIEVE.

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES BUSINESS UNIT
SOILS AND MATERIALS TESTING SQUAD

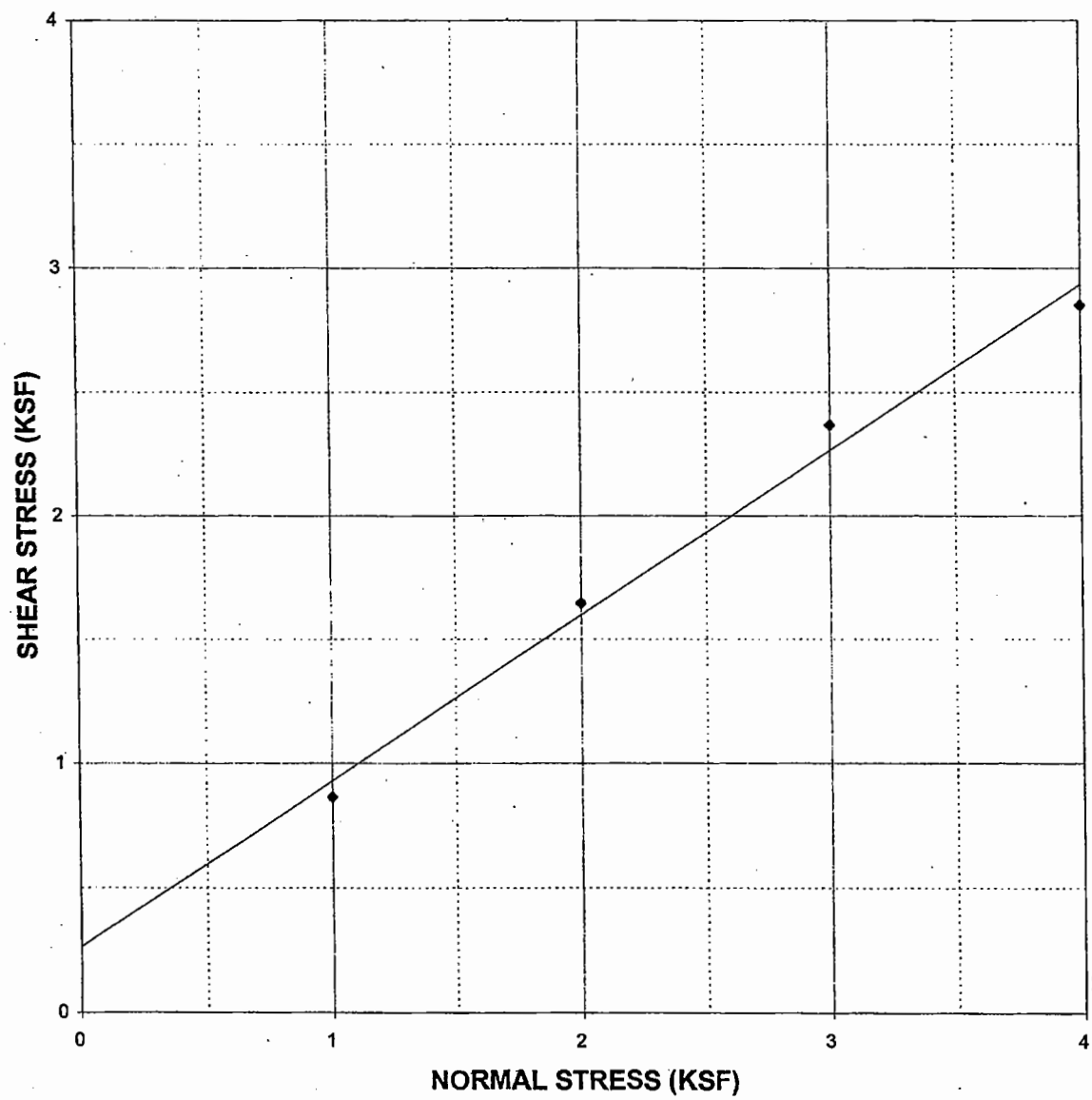
DIRECT SHEAR TEST RESULTS (ASTM D 3080-98)
FOR SOIL SCREENED THROUGH THE NUMBER 4 SIEVE (MINUS NO. 4):

JOB: WEST LA DISTRICT HEADQUARTERS
DATE: 9/12/2005
SAMPLE: HSA-1 @ 15.0'
TEST BY: S. MACORITTO
SOIL TYPE: SC, CLAYEY SAND
DRY UNIT WT.: 100.7 pcf
NOTE: SAMPLE REMOLDED TO: IN-PLACE UNIT WEIGHT

NORMAL STRESS (ksf)	MAX SHEAR FORCE (lb)	MAX SHEAR STRESS (ksf)
1	39.0	0.86
2	74.1	1.64
3	106.7	2.37
4	128.5	2.85

FRICTION ANGLE = 33.7 DEGREES
COHESION[1] = 0.26 KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



STEPHEN MACORITTC
OCT 20 2005

1 = GEOTECHNICAL ENGINEER TO USE PROPER JUDGEMENT IN DETERMINING AN APPROPRIATE COHESION VALUE.

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES BUSINESS UNIT
SOILS AND MATERIALS TESTING SQUAD

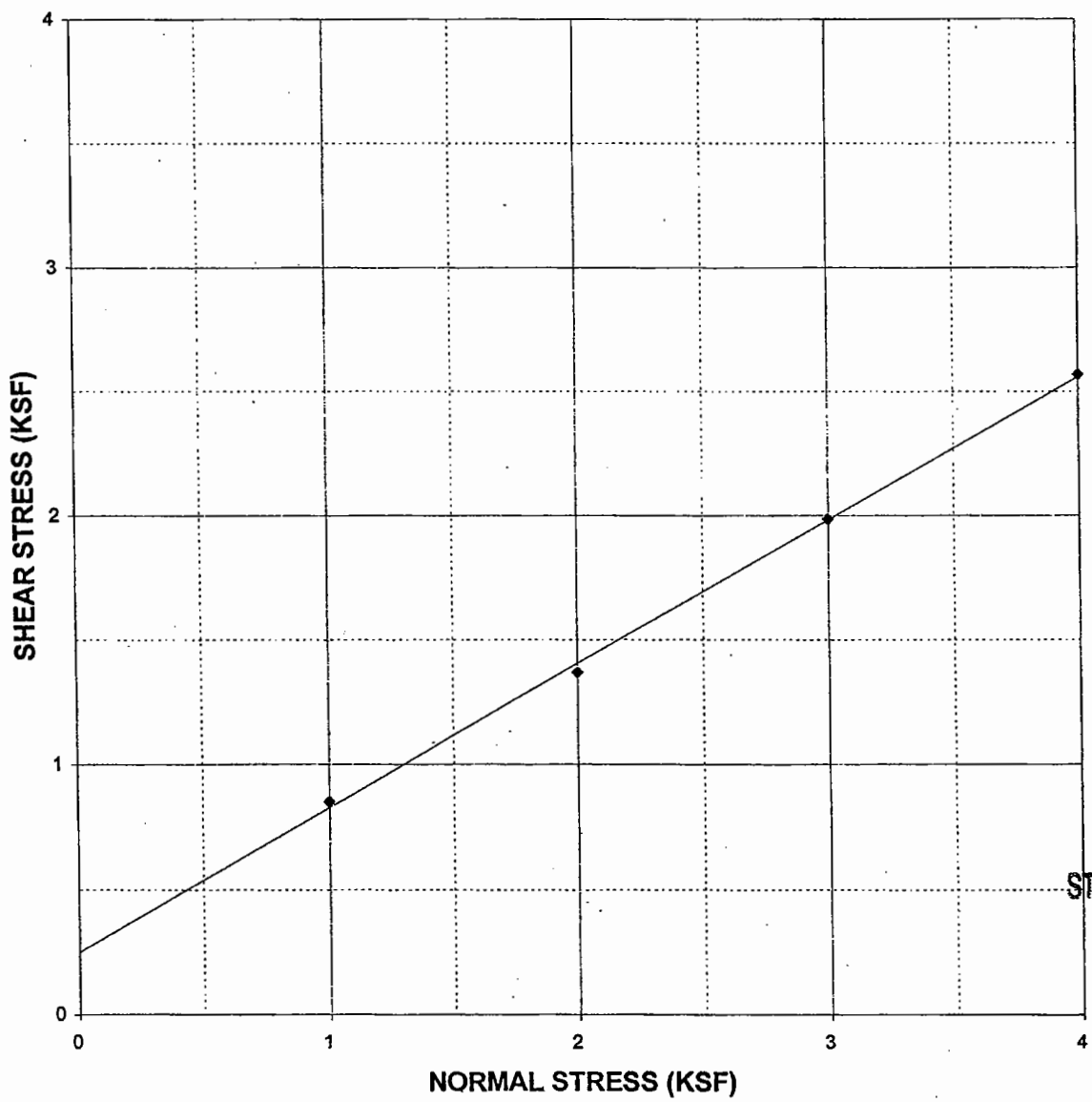
DIRECT SHEAR TEST RESULTS (ASTM D 3080-98)
FOR SOIL SCREENED THROUGH THE NUMBER 4 SIEVE (MINUS NO. 4):

JOB: WEST LA DISTRICT HEADQUARTERS
DATE: 9/15/2005
SAMPLE: HSA-2 @ 5.0'
TEST BY: S. MACORITTO
SOIL TYPE: SC, CLAYEY SAND
DRY UNIT WT.: 98.2 pcf
NOTE: SAMPLE REMOLDED TO: IN-PLACE UNIT WEIGHT

NORMAL STRESS (ksf)	MAX SHEAR FORCE (lb)	MAX SHEAR STRESS (ksf)
1	38.4	0.85
2	61.7	1.37
3	89.5	1.99
4	115.8	2.57

FRICTION ANGLE = 30.0 DEGREES
COHESION[1] = 0.25 KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



STEPHEN MACORITTO
OCT 20 2005

1 = GEOTECHNICAL ENGINEER TO USE PROPER JUDGEMENT IN DETERMINING AN APPROPRIATE COHESION VALUE.

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES BUSINESS UNIT
SOILS AND MATERIALS TESTING SQUAD

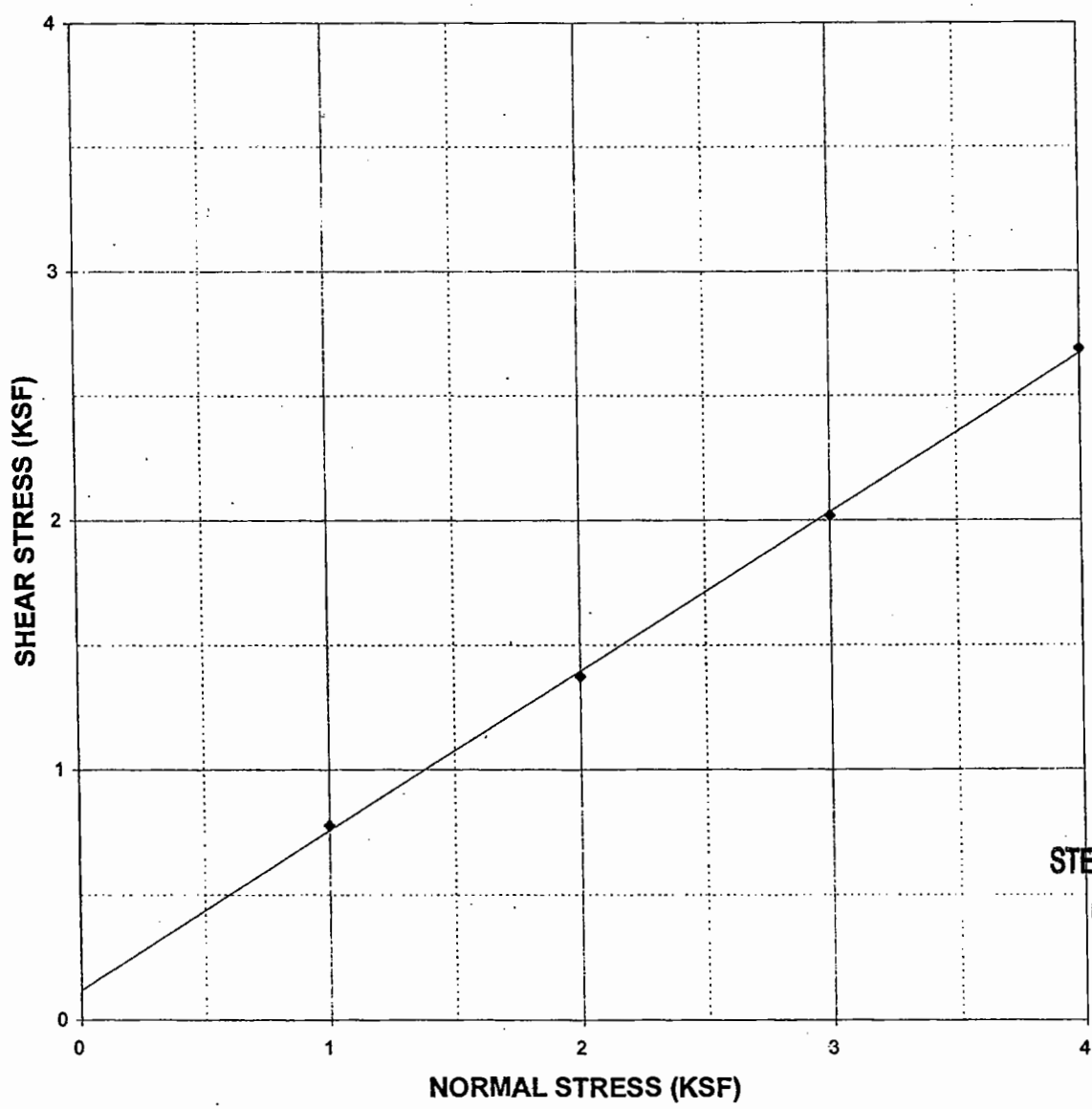
DIRECT SHEAR TEST RESULTS (ASTM D 3080-98)
FOR SOIL SCREENED THROUGH THE NUMBER 4 SIEVE (MINUS NO. 4):

JOB:	WEST LA DISTRICT HEADQUARTERS
DATE:	9/12/2005
SAMPLE:	HSA-3 @ 25 (TOP OF TUBE)
TEST BY:	S. MACORITTO
SOIL TYPE:	CL, LEAN CLAY W/ SAND
DRY UNIT WT.:	97.6 pcf
NOTE:	SAMPLE REMOLDED TO: IN-PLACE UNIT WEIGHT[2]

NORMAL STRESS (ksf)	MAX SHEAR FORCE (lb)	MAX SHEAR STRESS (ksf)
1	35.0	0.78
2	61.9	1.37
3	90.9	2.02
4	121.2	2.69

FRICTION ANGLE = 32.5 DEGREES
COHESION[1] = 0.12 KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



STEPHEN MACORITTO
OCT 20 2005

1. GEOTECHNICAL ENGINEER TO USE PROPER JUDGEMENT IN DETERMINING AN APPROPRIATE COHESION VALUE.
2. SAMPLE PREPARED 3.8 PCF LOWER THAN THE IN-PLACE DRY UNIT WEIGHT (101.4 PCF).

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES BUSINESS UNIT
SOILS AND MATERIALS TESTING SQUAD

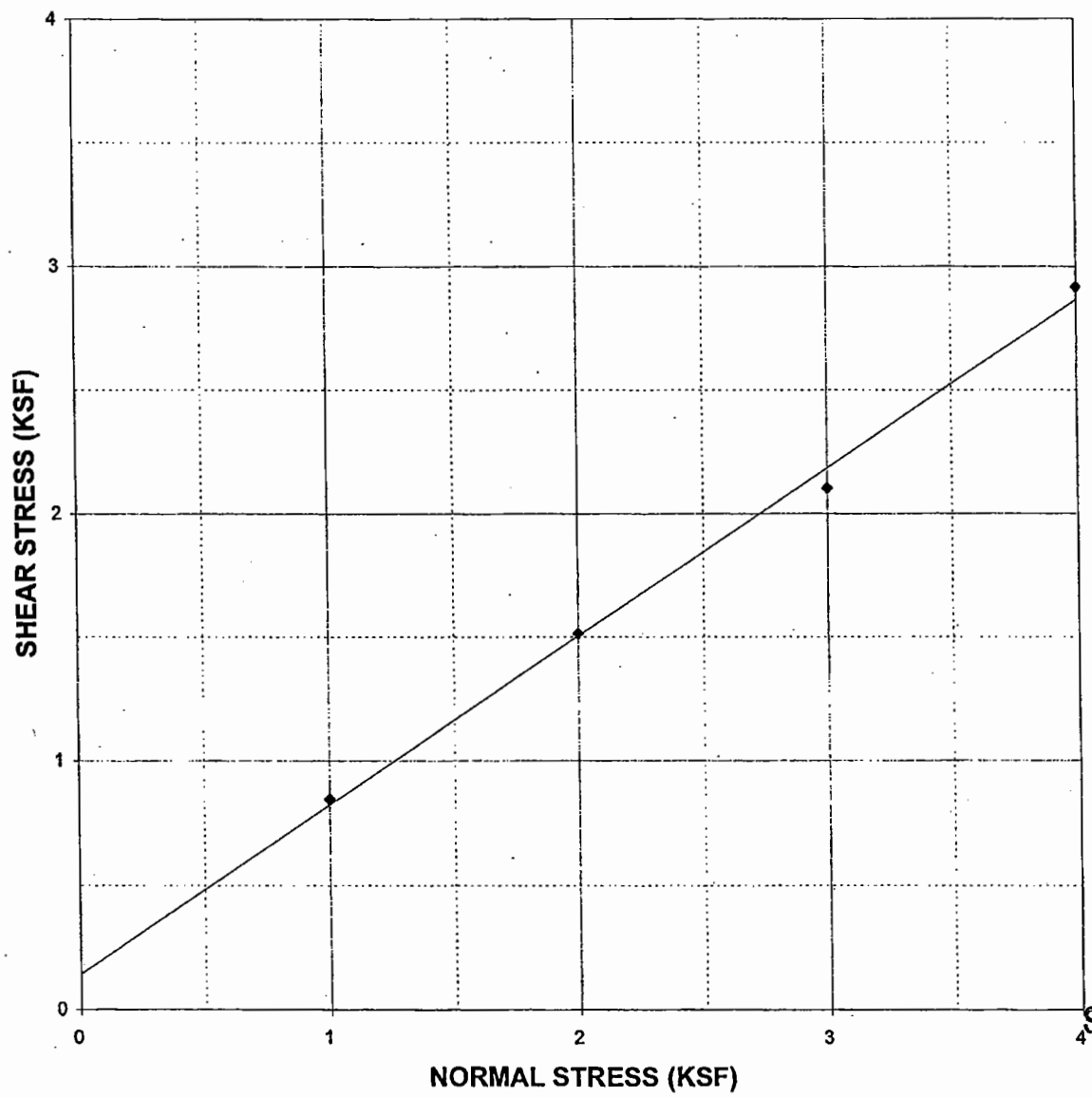
DIRECT SHEAR TEST RESULTS (ASTM D 3080-98)
FOR SOIL SCREENED THROUGH THE NUMBER 4 SIEVE (MINUS NO. 4):

JOB:	WEST LA DISTRICT HEADQUARTERS
DATE:	9/12/2005
SAMPLE:	BLEND (HSA-1 AND HSA-3 @ 0 - 5')
TEST BY:	S. MACORITTO
SOIL TYPE:	SC, CLAYEY SAND
DRY UNIT WT.:	116.5 pcf
NOTE:	SAMPLE REMOLDED TO:
	90 % RELATIVE COMPACTION

NORMAL STRESS (ksf)	MAX SHEAR FORCE (lb)	MAX SHEAR STRESS (ksf)
1	38.1	0.85
2	68.2	1.51
3	94.8	2.10
4	131.5	2.92

FRICTION ANGLE = 34.2 DEGREES
COHESION[1] = 0.14 KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



STEPHEN MACORITTO
OCT 20 2005

1 = GEOTECHNICAL ENGINEER TO USE PROPER JUDGEMENT IN DETERMINING AN APPROPRIATE COHESION VALUE.

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES BUSINESS UNIT
SOILS AND MATERIALS TESTING SQUAD

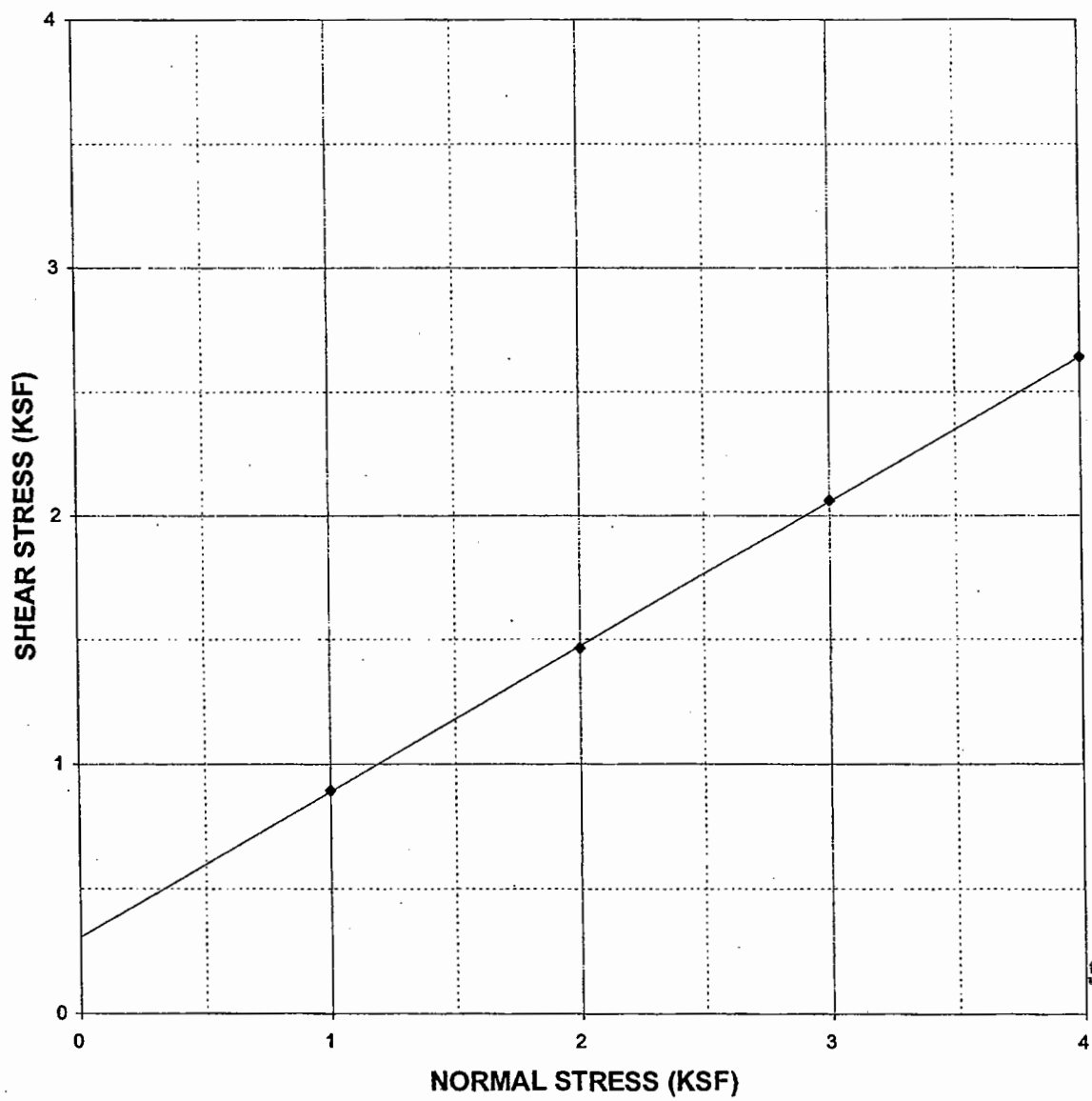
DIRECT SHEAR TEST RESULTS (ASTM D 3080-98)

JOB:	WEST LA DISTRICT HEADQUARTERS
DATE:	9/12/2005
SAMPLE:	HSA-3 @ 20 (TOP OF TUBE)
TEST BY:	S. MACORITTO
SOIL TYPE:	CL, LEAN CLAY W/ SAND
DRY UNIT WT.*:	112.5 pcf
NOTE:	UNDISTURBED SAMPLE

NORMAL STRESS (ksf)	MAX SHEAR FORCE (lb)	MAX SHEAR STRESS (ksf)
1	40.3	0.89
2	66.0	1.46
3	92.9	2.06
4	119.0	2.64

FRICTION ANGLE = 30.3 DEGREES
COHESION[1] = 0.31 KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



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* THE DRY UNIT WEIGHT IS THE AVERAGE OF THE TESTED SPECIMENS.
1 = GEOTECHNICAL ENGINEER TO USE PROPER JUDGEMENT IN DETERMINING AN APPROPRIATE COHESION VALUE.

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES BUSINESS UNIT
SOILS AND MATERIALS TESTING SQUAD

ASTM D4829-03, EXPANSION INDEX OF SOILS.

JOB:	WEST LA DISTRICT HEADQUARTERS
SAMPLE:	BLEND (HSA-1 AND HSA-3 @ 0 - 5').
DATE:	9/12/2005
TEST BY:	S. MACORITTO
DESCRIPTION:	SC, CLAYEY SAND
SPECIFIC GRAVITY:	2.69
NOTE:	

SAMPLE PROPERTIES

	PLACING	REMOVAL
WATER CONTENT (%)	7.9	14.1
DRY UNIT WEIGHT (PCF)	116.9	121.8
SATURATION (%)	49.0	99.8

MEASURED EXPANSION INDEX = 0

MEASURED EXPANSION POTENTIAL = VERY LOW

EXPANSION INDEX @ 50% SAT 0

EXPANSION POTENTIAL @ 50% SAT = VERY LOW

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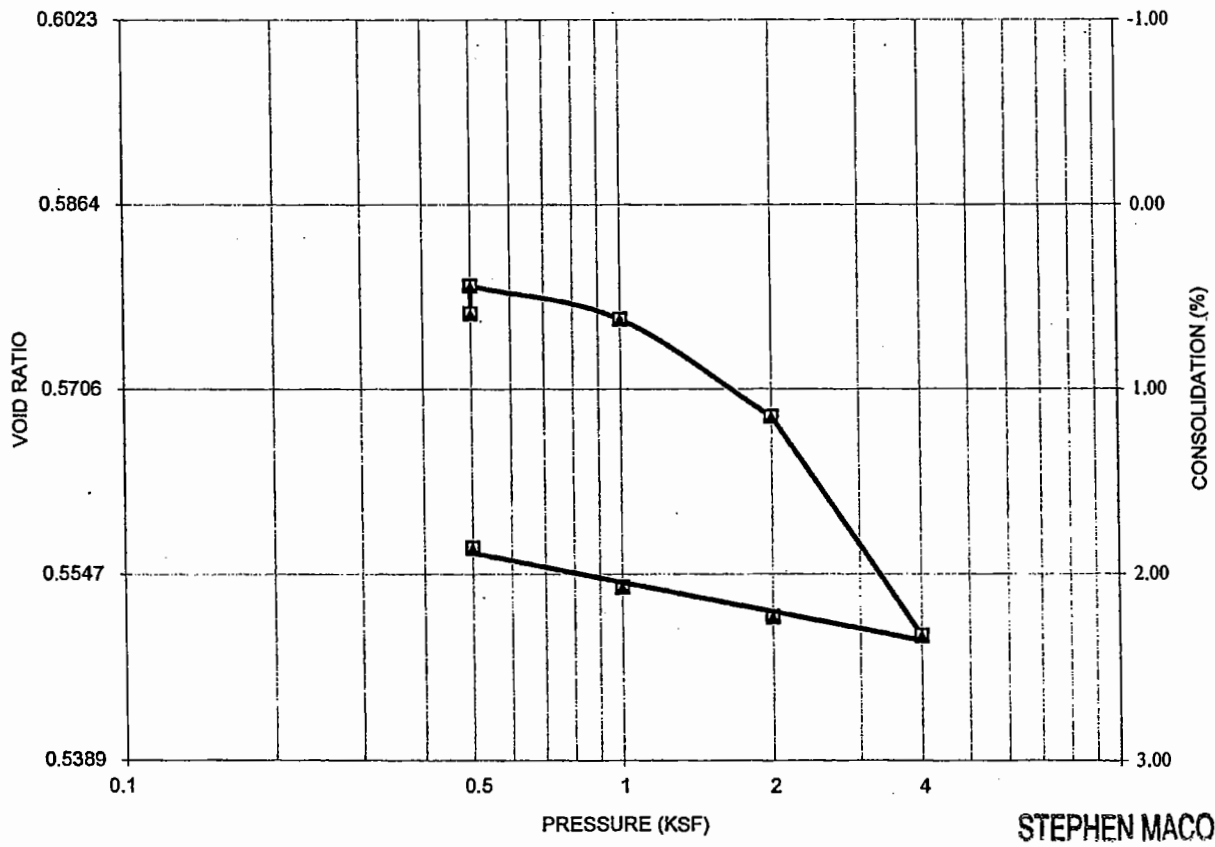
WATER ENGINEERING AND TECHNICAL SERVICES BUSINESS UNIT
SOILS AND MATERIALS TESTING SQUAD

ASTM D 2435-96 - ONE-DIMENSIONAL CONSOLIDATION PROPERTIES OF SOILS.

JOB:	WEST LA DISTRICT HEADQUARTERS
SAMPLE:	HSA - 2 @ 5.0'
DATE:	9/9/2005
TEST BY:	S. MACORITTO
DESCRIPTION:	SC, CLAYEY SAND
SPECIFIC GRAVITY:	2.70
NOTE:	UNDISTURBED SAMPLE

SAMPLE PROPERTIES:

	PLACING	REMOVAL
WATER CONTENT (%)	14.3	17.7
DRY UNIT WEIGHT (PCF)	106.3	108.1
SATURATION (%)	66.0	85.6
VOID RATIO	0.5864	0.5596



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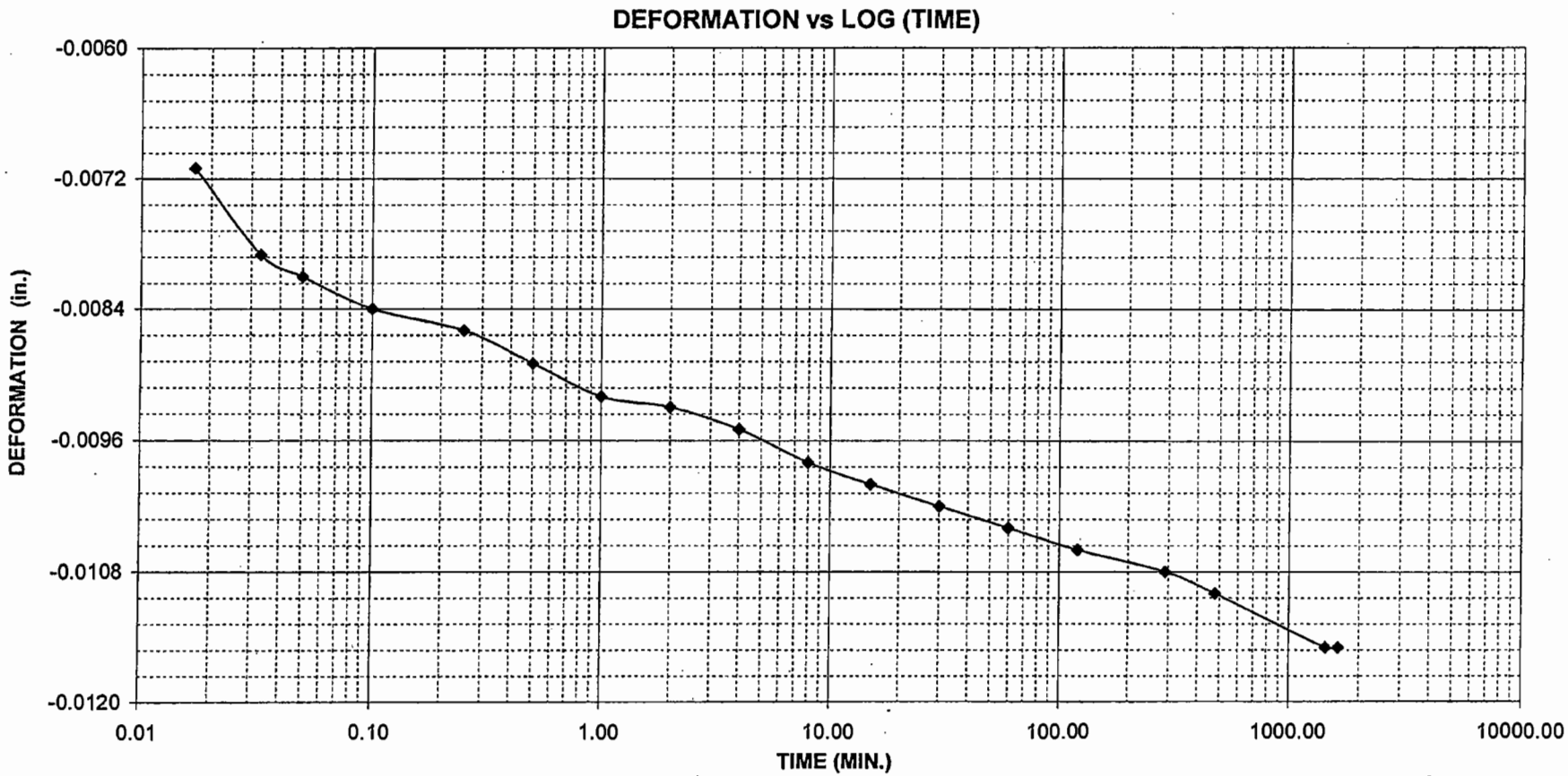
WATER ENGINEERING AND TECHNICAL SERVICES BUSINESS UNIT
SOILS AND MATERIALS TESTING SQUAD

ASTM D2435 - METHOD B, "ONE DIMENSIONAL CONSOLIDATION PROPERTIES OF SOILS."

JOB: WEST LA DISTRICT HEADQUARTERS
SAMPLE: HSA-2 @ 5.0
LOAD: 2 KSF
SOIL TYPE: SC, CLAYEY SAND



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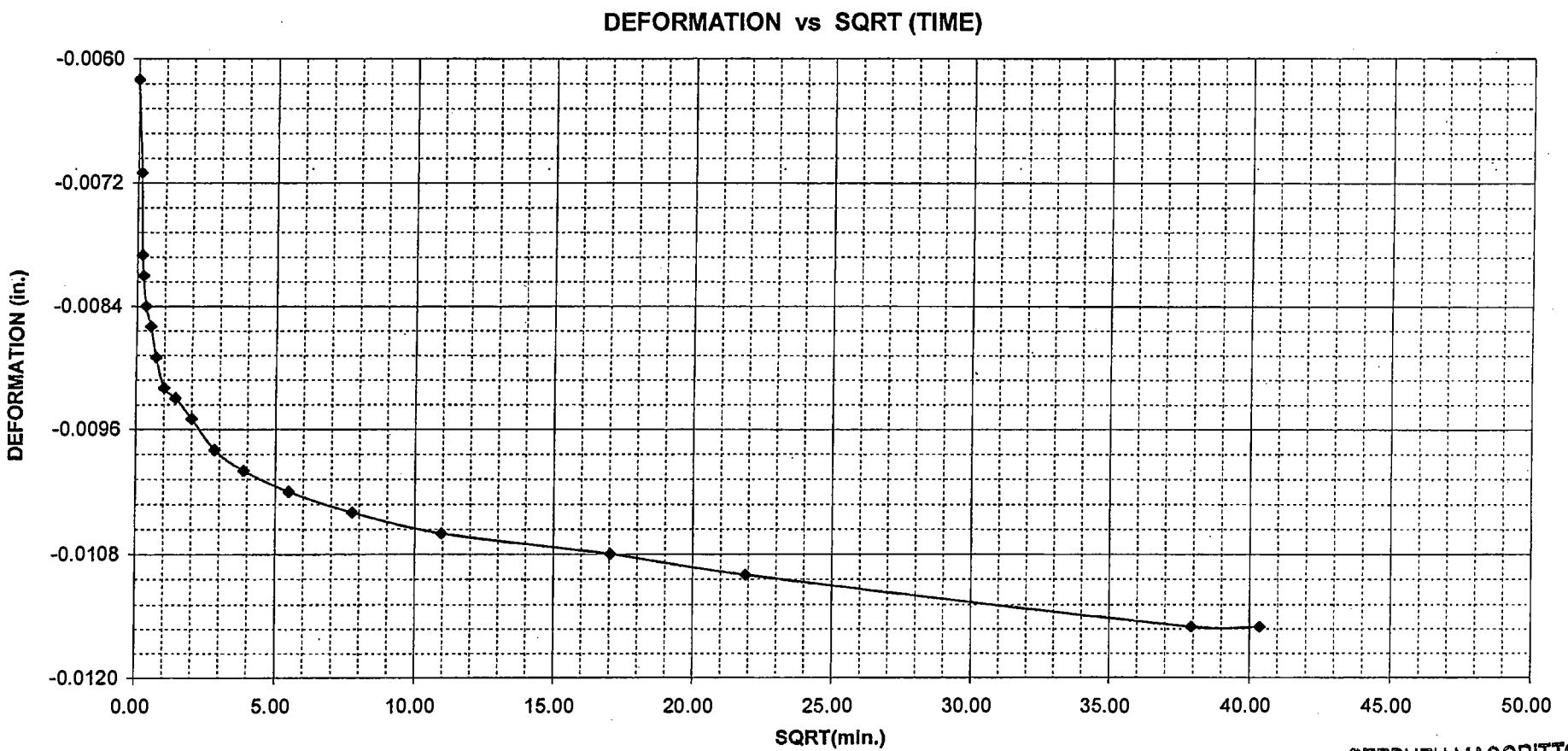
WATER ENGINEERING AND TECHNICAL SERVICES BUSINESS UNIT
SOILS AND MATERIALS TESTING SQUAD

ASTM D2435 - METHOD B, "ONE DIMENSIONAL CONSOLIDATION PROPERTIES OF SOILS."

JOB: WEST LA DISTRICT HEADQUARTERS
SAMPLE: HSA-2 @ 5.0
LOAD: 2 KSF
SOIL TYPE: SC, CLAYEY SAND



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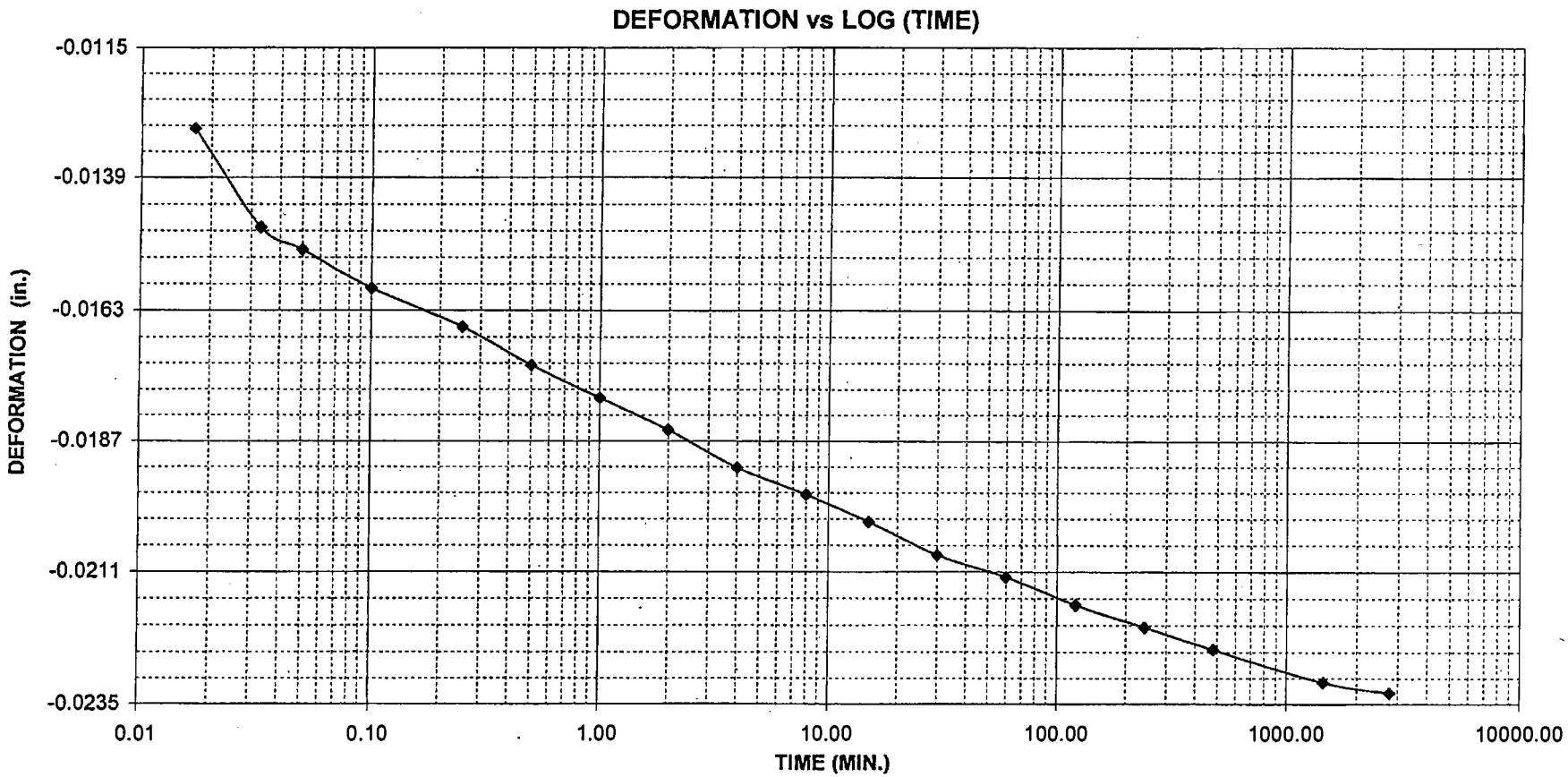
WATER ENGINEERING AND TECHNICAL SERVICES BUSINESS UNIT
SOILS AND MATERIALS TESTING SQUAD

ASTM D2435 - METHOD B, "ONE DIMENSIONAL CONSOLIDATION PROPERTIES OF SOILS."

JOB: WEST LA DISTRICT HEADQUARTERS
SAMPLE: HSA-2 @ 5.0
LOAD: 4 KSF
SOIL TYPE: SC, CLAYEY SAND



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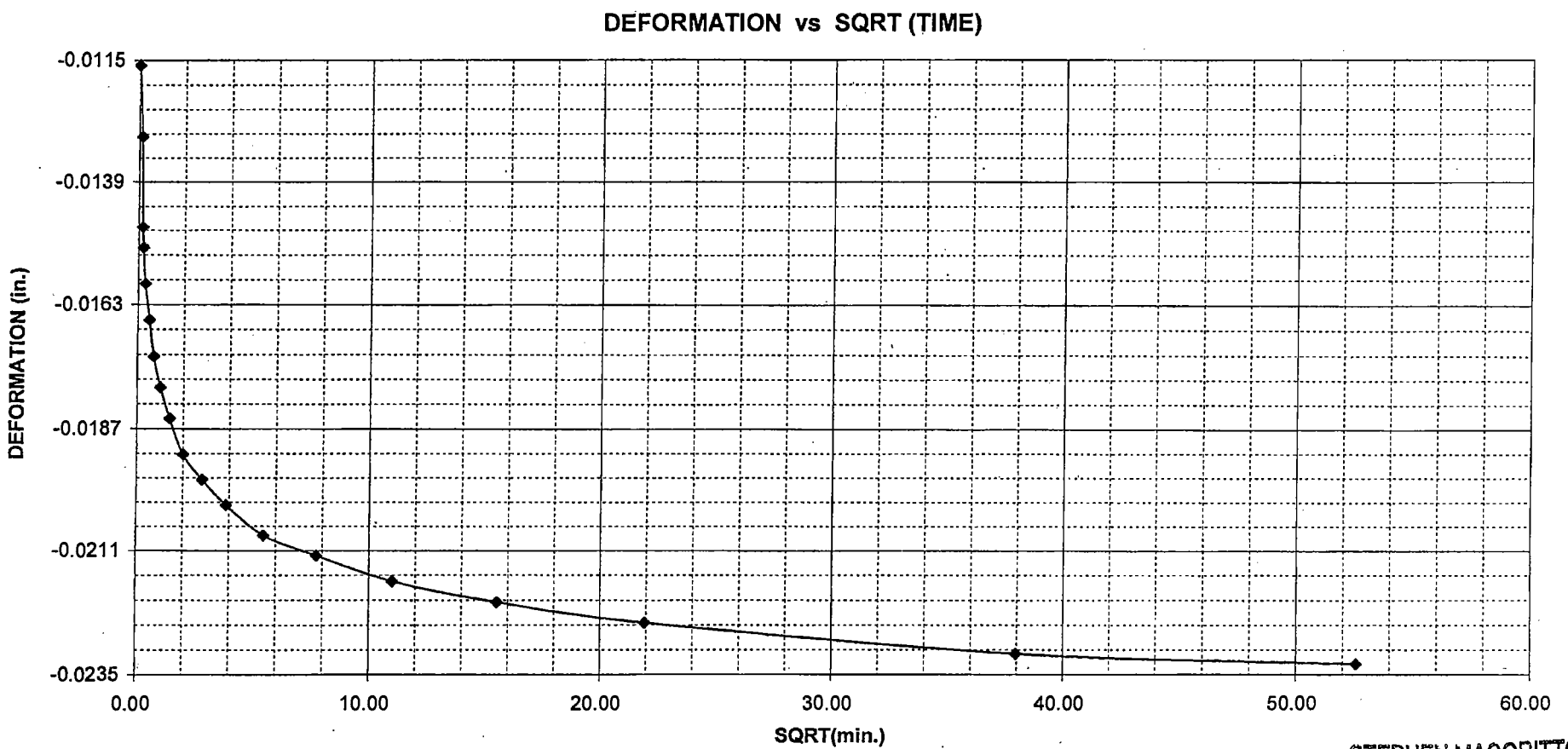
WATER ENGINEERING AND TECHNICAL SERVICES BUSINESS UNIT
SOILS AND MATERIALS TESTING SQUAD

ASTM D2435 - METHOD B, "ONE DIMENSIONAL CONSOLIDATION PROPERTIES OF SOILS."

JOB: WEST LA DISTRICT HEADQUARTERS
SAMPLE: HSA-2 @ 5.0
LOAD: 4 KSF
SOIL TYPE: SC, CLAYEY SAND



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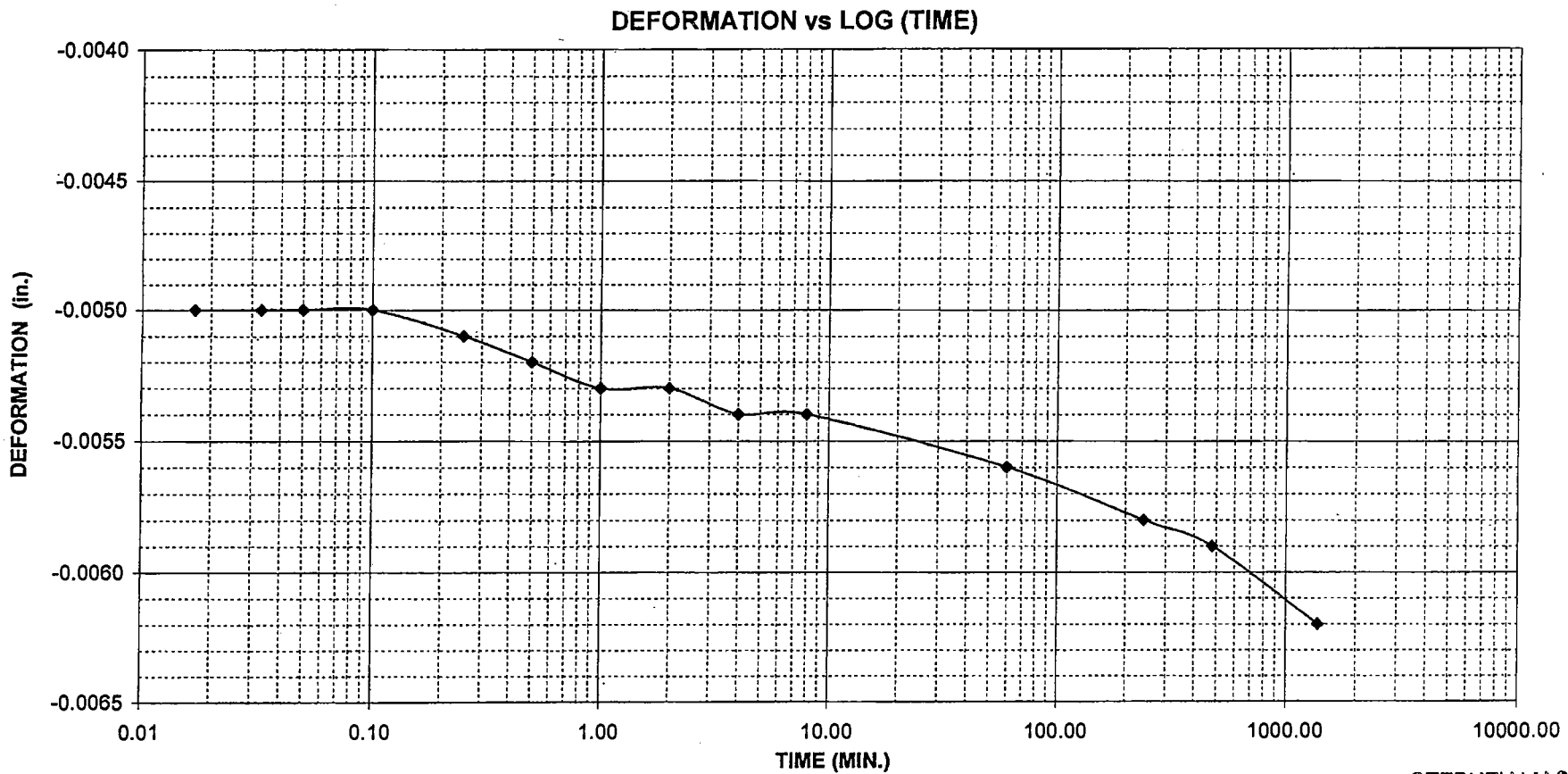
WATER ENGINEERING AND TECHNICAL SERVICES BUSINESS UNIT
SOILS AND MATERIALS TESTING SQUAD

ASTM D2435 - METHOD B, "ONE DIMENSIONAL CONSOLIDATION PROPERTIES OF SOILS."

JOB: WEST LA DISTRICT HEADQUARTERS
SAMPLE: HSA-2 @ 5.0
LOAD: 1 KSF
SOIL TYPE: SC, CLAYEY SAND



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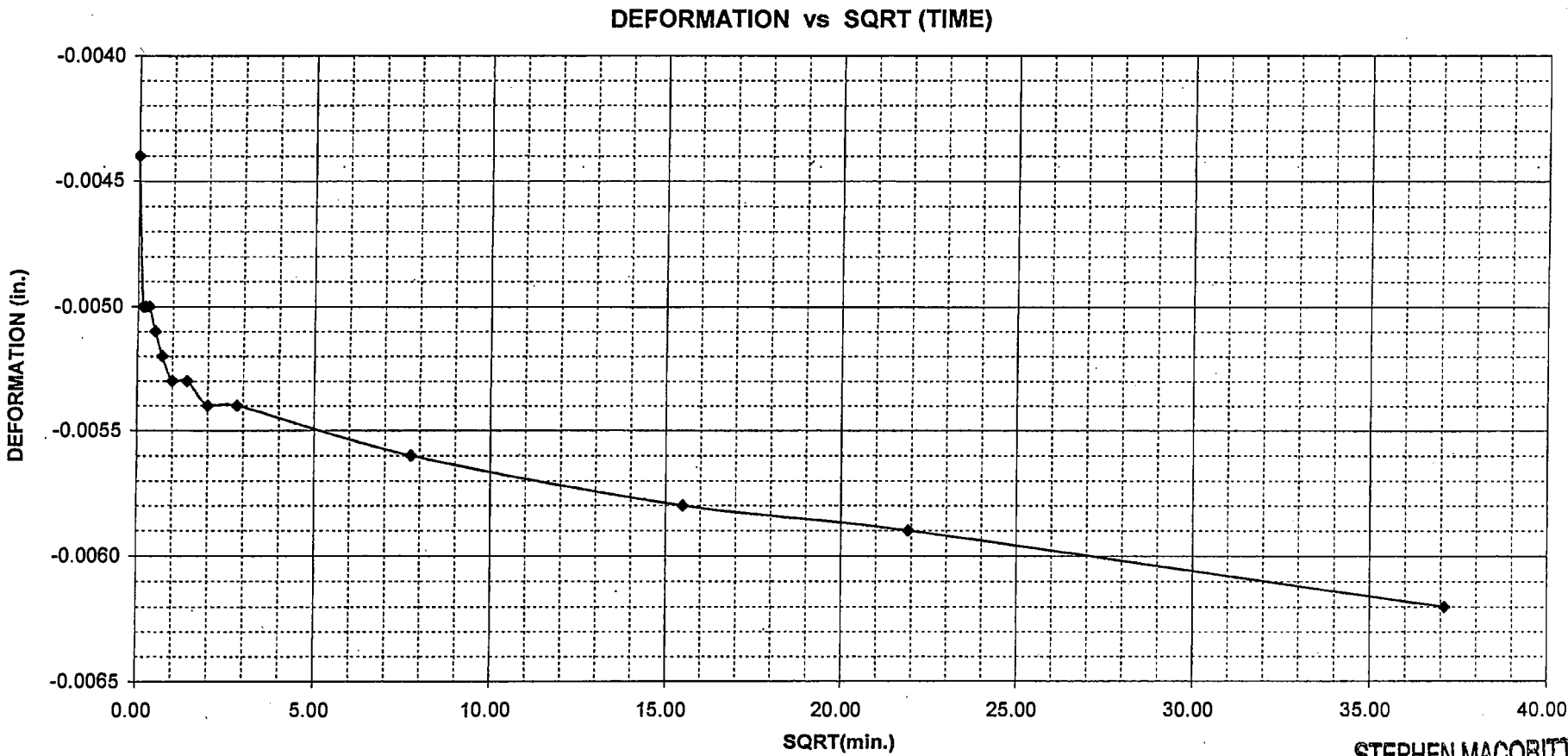
WATER ENGINEERING AND TECHNICAL SERVICES BUSINESS UNIT
SOILS AND MATERIALS TESTING SQUAD

ASTM D2435 - METHOD B, "ONE DIMENSIONAL CONSOLIDATION PROPERTIES OF SOILS."

JOB: WEST LA DISTRICT HEADQUARTERS
SAMPLE: HSA-2 @ 5.0
LOAD: 1 KSF
SOIL TYPE: SC, CLAYEY SAND



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WATER ENGINEERING AND TECHNICAL SERVICES BUSINESS UNIT
SOILS AND MATERIALS TESTING SQUAD

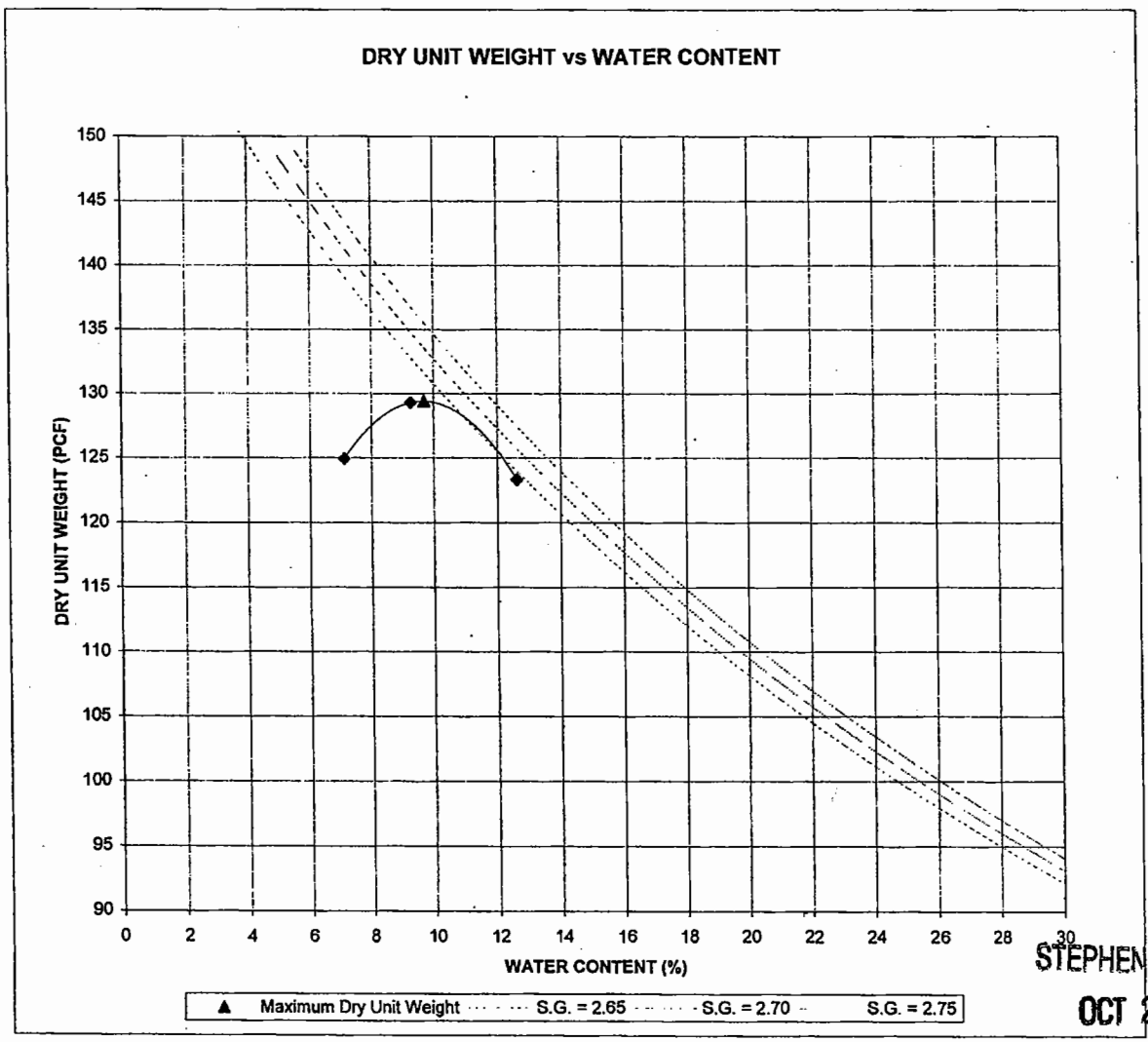
JOB:	WEST L.A. DISTRICT HEADQUARTERS	SAMPLE:	BLEND HSA-1 & HSA-3 @ 0-5'
OPERATOR:	S. MACORITTO		
LOCATION:	HSA-1 & HSA-3	DATE:	08/03/05
ELEVATION:	0-5'		
SOIL TYPE:	SC, CLAYEY SAND	% PLUS NO. 4:	6.3

LABORATORY COMPACTION CHARACTERISTICS

TEST METHOD: ASTM D1557A

OPTIMUM WATER CONTENT: 9.7 %
MAX. DRY UNIT WEIGHT: 129.4 PCF

REMARKS: SOME ASPHALT FOUND IN % PLUS NO. 4.



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APPENDIX B. BORING LOGS

BORING 1

Los Angeles Department of Water & Power

Project No.: LCW81
Client: LADWP
Location: West LA District Yard
12300 Nebraska Avenue
Los Angeles, CA 90025
Elevation: 165 feet MSL
Logged By: AD

Excavation Date: July 10, 2017
Driller: LA General Services
Excavation Method: HSA
Boring Diameter: 7"
Sampling Method: Cal-Mod, SPT
Hammer Drop: 30 inches
Hammer Weight: 140 lbs.

Sample Type	Sample ID	Blow Count (Blows/6-in.)	Recovery	Depth (feet)	USCS Class.	Description	Dry Density (P.C.F)	Moisture Content (%)
				0		**Asphalt:** 4 inches **Base:** 5 inches **Artificial Fill:** Sandy Silt, soft, moist, dark brown, fine- to medium-grained, trace fine gravel		
				1				
				2				
Cal-Mod	B1@2.5	4/4			CL	**Alluvium:** Sandy Clay, soft, slightly moist, dark reddish brown, fine-grained, some fine gravel (Santa Monica Slate (SMS))	112.2	16.9
				3				
				4				
SPT	B1@5	2/3/3		5		-Clay with Sand, soft, slightly moist, dark reddish brown, fine-grained, trace fine gravel (SMS)	-	12.3
				6				
				7				
				8				
				9				
Cal-Mod	B1@10	5/10		10		-Sandy Clay, firm, moist, dark reddish brown, fine- to coarse-grained, some fine gravel (SMS)	116.8	10.8
				11				
				12				
				13				
				14				
SPT Bulk	B1@15 B1@15-20	4/5/4		15	SC	-Clayey Sand with Gravel, loose, moist, dark reddish brown, fine-grained, fine gravel (SMS)	-	9.9
				16				
				17				
				18				
				19				
Cal-Mod	B1@20	8/12		20	CL	Clay, firm, moist, dark reddish brown, trace fine-grained sand, trace fine gravel (SMS)	115.4	12.2

- California Modified Sampler (Cal-Mod)
- Standard Penetration Test (SPT)
- Bulk Sample
- Disturbed Sample or Bag Sample
- No Sample Recovered
- Groundwater or Seepage

BORING 1 (Continued)

Los Angeles Department of Water & Power

Project No.: LCW81
Client: LADWP
Location: West LA District Yard
12300 Nebraska Avenue
Los Angeles, CA 90025
Elevation: 165 feet MSL
Logged By: AD

Excavation Date: July 10, 2017
Driller: LA General Services
Excavation Method: HSA
Boring Diameter: 7"
Sampling Method: Cal-Mod, SPT
Hammer Drop: 30 inches
Hammer Weight: 140 lbs.

Sample Type	Sample ID	Blow Count (Blows/6-in.)	Recovery	Depth (feet)	USCS Class.	Description	Dry Density (P.C.F)	Moisture Content (%)
				20				
				21				
				22				
				23				
				24				
SPT	B1@25	4/7/7		25		-Sandy Clay, firm, moist, dark reddish brown, fine- to medium-grained	-	11.4
				26				
				27				
				28				
				29				
Cal-Mod	B1@30	14/13		30	SP	Sand (lens), poorly graded, medium dense, moist, brown, fine-grained	104.0	15.4
				31	CL	Clay, stiff, moist, dark reddish brown, trace fine- to medium-grained sand		
				32				
				33				
				34				
SPT	B1@35	6/16/29		35			-	4.5
				36	SP	Sand, poorly graded, dense, moist, dark reddish brown, fine- to medium-grained with some coarse-grained, some fine- to coarse gravel (SMS)		
				37		Clayey Sand with Gravel, very dense, moist, gray to dark brown, fine- to coarse-grained, fine gravel (SMS)		
				38				
				39	SC	End boring at 40.5 feet bgs. Artificial fill to 2 feet bgs. No groundwater encountered.		
Cal-Mod	B1@40	44/31(2")		40		Boring backfilled with soil cuttings and tamped. Surface restored with asphalt patch.	124.2	6.2

- California Modified Sampler (Cal-Mod)
- Standard Penetration Test (SPT)
- Bulk Sample
- Disturbed Sample or Bag Sample
- No Sample Recovered
- Groundwater or Seepage

BORING 2

Los Angeles Department of Water & Power

Project No.: LCW81
Client: LADWP
Location: West LA District Yard
12300 Nebraska Avenue
Los Angeles, CA 90025
Elevation: 162 feet MSL
Logged By: AD

Excavation Date: July 10, 2017
Driller: LA General Services
Excavation Method: HSA
Boring Diameter: 7"
Sampling Method: Cal-Mod, SPT
Hammer Drop: 30 inches
Hammer Weight: 140 lbs.

Sample Type	Sample ID	Blow Count (Blows/6-in.)	Recovery	Depth (feet)	USCS Class.	Description	Dry Density (P.C.F)	Moisture Content (%)
				0		**Asphalt:** 3 inches **Base:** 6 inches **Artificial Fill:** Sandy Silt, soft, moist, dark brown, fine- to medium-grained, trace fine-gravel		
SPT	B2@2.5	5/5/3		2	CL	**Alluvium:** Sandy Clay, soft, moist, dark reddish brown, fine-grained	-	8.8
Cal-Mod	B2@5 Disturbed	8/9		5	ML	Silt, firm, moist, dark reddish brown, fine- to medium-grained, trace fine gravel (SMS)	-	11.1
SPT	B2@10	6/5/5		10	CL	Clay, firm, moist, dark brown	-	13.2
Cal-Mod Bulk	B2@15 B2@15-20	6/7		15	GC	Clayey Gravel with Sand, loose, moist, dark reddish brown, fine- to medium-grained, fine to coarse gravel (SMS)	122.2	9.5
SPT	B2@20	2/8/5		20	SC	Clayey Sand with Gravel, medium dense, moist, dark reddish brown, fine- to coarse-grained, fine gravel	-	10.1

- California Modified Sampler (Cal-Mod)
- Standard Penetration Test (SPT)
- Bulk Sample
- Disturbed Sample or Bag Sample
- No Sample Recovered
- Groundwater or Seepage

BORING 2 (Continued)

Los Angeles Department of Water & Power

Project No.: LCW81
Client: LADWP
Location: West LA District Yard
12300 Nebraska Avenue
Los Angeles, CA 90025
Elevation: 162 feet MSL
Logged By: AD

Excavation Date: July 10, 2017
Driller: LA General Services
Excavation Method: HSA
Boring Diameter: 7"
Sampling Method: Cal-Mod, SPT
Hammer Drop: 30 inches
Hammer Weight: 140 lbs.

Sample Type	Sample ID	Blow Count (Blows/6-in.)	Recovery	Depth (feet)	USCS Class.	Description	Dry Density (P.C.F)	Moisture Content (%)
				20				
				21				
				22				
				23				
				24				
Cal-Mod	B2@25	6/9	■	25	CL	Clay with Sand, firm, moist, dark brown, fine-grained	100.3	23.1
				26				
				27				
				28				
				29				
SPT	B2@30	7/6/6	▌	30		-2 inch Sand lens, fine- to coarse-grained, some fine to coarse gravel	-	18.2 (top)
				31	ML	Sandy Silt, firm, moist, dark reddish brown, fine-grained, trace fine-gravel (SMS)	-	4.9 (bot)
				32				
				33				
				34				
Cal-Mod	B2@35	7/9	■	35		-No gravel	96.6	26.5
				36				
				37				
				38				
				39				
SPT	B2@40	4/10/13	▌	40	SP-SM	Sand with Silt, poorly graded, medium dense, moist, dark brown to dark reddish brown, fine- to medium-grained, some fine to coarse gravel (SMS)	-	12.0

■ - California Modified Sampler (Cal-Mod)
▌ - Standard Penetration Test (SPT)
▒ - Bulk Sample
⊠ - Disturbed Sample or Bag Sample
□ - No Sample Recovered
▼ - Groundwater or Seepage

BORING 2 (Continued)

Los Angeles Department of Water & Power

Project No.: LCW81
Client: LADWP
Location: West LA District Yard
12300 Nebraska Avenue
Los Angeles, CA 90025
Elevation: 162 feet MSL
Logged By: AD

Excavation Date: July 10, 2017
Driller: LA General Services
Excavation Method: HSA
Boring Diameter: 7"
Sampling Method: Cal-Mod, SPT
Hammer Drop: 30 inches
Hammer Weight: 140 lbs.

Sample Type	Sample ID	Blow Count (Blows/6-in.)	Recovery	Depth (feet)	USCS Class.	Description	Dry Density (P.C.F)	Moisture Content (%)
				40				
				41				
				42				
				43				
				44				
Cal-Mod	B2@45	31/42	■	45	GW-GC	Gravel with Clay and Sand, well graded, dense, wet, dark reddish brown, fine- to medium-grained, fine to coarse gravel (SMS), minor seepage at 45 feet	132.4	9.5
				46				
				47				
				48				
				49				
SPT	B2@50	16/26/31	‖	50		-Very dense, moist, no seepage	-	9.6
				51		End boring at 50.5 feet bgs.		
						Artificial fill to 1.5 feet bgs.		
				52		Minor seepage encountered at 45 feet.		
						Boring backfilled with soil cuttings and tamped.		
				53		Surface restored with asphalt patch.		
				54				
				55				
				56				
				57				
				58				
				59				
				60				

■ - California Modified Sampler (Cal-Mod)
‖ - Standard Penetration Test (SPT)
▨ - Bulk Sample
⊠ - Disturbed Sample or Bag Sample
□ - No Sample Recovered
▼ - Groundwater or Seepage

BORING 3

Los Angeles Department of Water & Power

Project No.: LCW81
Client: LADWP
Location: West LA District Yard
12300 Nebraska Avenue
Los Angeles, CA 90025
Elevation: 163 feet MSL
Logged By: CHL & AD

Excavation Date: July 6, 2017
Driller: LA General Services
Excavation Method: HSA
Boring Diameter: 7"
Sampling Method: Cal-Mod, SPT
Hammer Drop: 30 inches
Hammer Weight: 140 lbs.

Sample Type	Sample ID	Blow Count (Blows/6-in.)	Recovery	Depth (feet)	USCS Class.	Description	Dry Density (P.C.F)	Moisture Content (%)
				0		**Asphalt:** 4 inches **Base:** 6 inches		
				1		**Artificial Fill:** Sandy Silt and Sandy Clay, soft, moist, dark brown, fine- to medium-grained, trace fine gravel, trace brick fragments		
				2				
SPT	B3@2.5	2/2/3		3	ML	**Alluvium:** Sandy Silt, soft, moist, dark reddish brown, fine-grained	-	19.4
				4				
Cal-Mod	B3@5	4/4		5	CL	Clay with Sand, soft, moist, dark reddish brown, fine-grained	101.3	19.4
				6				
SPT	B3@7.5	2/2/3		7		-Sandy Clay, soft, moist, dark reddish brown, fine- to medium-grained, trace fine gravel (SMS)	-	13.6
				8				
				9		-Dark brown		
SPT	B3@10	2/2/3		10			-	15.1
				11				
				12				
				13				
				14				
Cal-Mod Bulk	B3@15 B3@10-15	5/8		15	SC	Clayey Sand with Gravel, loose, moist, dark reddish brown, fine- to medium-grained, fine gravel (SMS)	117.9	7.3
				16				
				17				
				18				
				19	ML	Sandy Silt, soft, moist, dark reddish brown, fine- to coarse-grained, trace fine gravel (SMS), moderate plasticity		
SPT	B3@20	4/4/3		20			-	13.0

- California Modified Sampler (Cal-Mod)
- Standard Penetration Test (SPT)
- Bulk Sample
- Disturbed Sample or Bag Sample
- No Sample Recovered
- Groundwater or Seepage

BORING 3 (Continued)

Los Angeles Department of Water & Power

Project No.: LCW81
Client: LADWP
Location: West LA District Yard
12300 Nebraska Avenue
Los Angeles, CA 90025
Elevation: 163 feet MSL
Logged By: CHL & AD

Excavation Date: July 6, 2017
Driller: LA General Services
Excavation Method: HSA
Boring Diameter: 7"
Sampling Method: Cal-Mod, SPT
Hammer Drop: 30 inches
Hammer Weight: 140 lbs.

Sample Type	Sample ID	Blow Count (Blows/6-in.)	Recovery	Depth (feet)	USCS Class.	Description	Dry Density (P.C.F)	Moisture Content (%)
				20				
				21				
				22				
				23				
				24				
Cal-Mod	B3@25	10/20	■	25	GW-GC	Sandy Gravel with Clay, well graded, medium dense, slightly moist, dark reddish brown, fine- to medium-grained with some coarse-grained, fine gravel with trace coarse gravel (SMS)	120.0	6.3
				26				
				27				
				28				
				29	CL	Clay, soft, moist, dark olive brown with yellowish brown oxidation staining, trace fine-grained sand		
SPT	B3@30	3/3/4	‖	30			-	25.8
				31				
				32				
				33				
				34		-Sandy Clay, stiff, moist, dark olive brown with dark yellowish brown oxidation staining, fine-grained		
Cal-Mod	B3@35	10/21	■	35			105.6	16.1
				36				
				37		-@39' Dark reddish brown, fine-grained with trace medium- to coarse-grained, trace fine gravel		
				38				
				39		End boring at 40.5 feet bgs. Artificial fill to 2 feet bgs. No groundwater encountered.		
SPT	B3@40	5/8/7	‖	40		Boring backfilled with soil cuttings and tamped. Surface restored with asphalt patch.	-	14.3

■ - California Modified Sampler (Cal-Mod)
‖ - Standard Penetration Test (SPT)
▨ - Bulk Sample
⊠ - Disturbed Sample or Bag Sample
□ - No Sample Recovered
▼ - Groundwater or Seepage

BORING 4

Los Angeles Department of Water & Power

Project No.: LCW81
Client: LADWP
Location: West LA District Yard
12300 Nebraska Avenue
Los Angeles, CA 90025
Elevation: 161 feet MSL
Logged By: CHL

Excavation Date: July 6, 2017
Driller: LA General Services
Excavation Method: HSA
Boring Diameter: 7"
Sampling Method: Cal-Mod, SPT
Hammer Drop: 30 inches
Hammer Weight: 140 lbs.

Sample Type	Sample ID	Blow Count (Blows/6-in.)	Recovery	Depth (feet)	USCS Class.	Description	Dry Density (P.C.F)	Moisture Content (%)
				0		**Asphalt:** 4 inches **Base:** 6 inches		
				1		**Artificial Fill:** Sandy Silt and Sandy Clay, soft, moist, dark reddish brown, fine- to medium-grained, trace fine to coarse gravel, trace brick and asphalt fragments		
				2				
SPT	B4@2.5	2/2/2			CL	**Alluvium:** Clay, soft, moist, dark reddish brown, trace fine-grained sand	-	20.5
				3				
				4		-Clay with Sand, soft, moist, dark reddish brown, fine-grained		
Cal-Mod	B4@5	3/6		5			105.7	19.6
				6				
				7				
				8				
				9		-Fine-grained with trace medium- to coarse-grained, trace fine gravel (SMS)		
SPT	B4@10	3/2/3		10			-	15.5
				11				
				12				
				13				
				14		-Sandy Clay, firm, moist, dark reddish brown, fine-grained, trace fine gravel (SMS)		
Cal-Mod	B4@15	7/11		15			117.9	13.5
Bulk	B4@15-20			16				
				17				
				18				
				19				
					SC	Clayey Sand, loose, moist, dark reddish brown, fine to medium-grained with trace coarse-grained, trace fine gravel (SMS)		
SPT	B4@20	3/3/5		20			-	11.9

- California Modified Sampler (Cal-Mod)
- Standard Penetration Test (SPT)
- Bulk Sample
- Disturbed Sample or Bag Sample
- No Sample Recovered
- Groundwater or Seepage

BORING 4 (Continued)

Los Angeles Department of Water & Power

Project No.: LCW81
Client: LADWP
Location: West LA District Yard
12300 Nebraska Avenue
Los Angeles, CA 90025
Elevation: 161 feet MSL
Logged By: CHL

Excavation Date: July 6, 2017
Driller: LA General Services
Excavation Method: HSA
Boring Diameter: 7"
Sampling Method: Cal-Mod, SPT
Hammer Drop: 30 inches
Hammer Weight: 140 lbs.

Sample Type	Sample ID	Blow Count (Blows/6-in.)	Recovery	Depth (feet)	USCS Class.	Description	Dry Density (P.C.F)	Moisture Content (%)
				20				
				21	ML	Sandy Silt, firm, moist, dark reddish brown, medium- to coarse grained with some fine-grained, some fine to coarse gravel (SMS)		
				22				
				23				
				24	SM	Silty Sand, medium dense, moist, dark reddish brown, fine- to coarse-grained, some fine to coarse gravel		
Cal-Mod	B4@25	11/11	■	25			120.2	7.6
				26				
				27				
				28				
				29	CL/SM/ SP	Interlayered Sandy Clay, Silty Sand and poorly graded Sand, stiff or medium dense, moist, dark reddish brown to dark olive brown, fine-grained (ML & SM) and fine- to coarse-grained (SP), some fine gravel, layers are 2 to 5 inches in thickness		
SPT	B4@30	7/9/11	‖	30			-	8.6
				31				
				32				
				33				
				34				
Cal-Mod	B4@35	11/33	■	35	GC	Clayey Gravel with Sand, medium dense, moist, dark reddish brown to dark olive brown, fine- to coarse-grained, fine to coarse gravel, few thin silt lenses (1 inch thick)	126.4	7.2
				36		-@39'Clayey Sand with Gravel, medium dense, moist, dark reddish brown, fine- to coarse-grained, fine gravel with trace coarse gravel		
				37		-@40' Gravel zone (4 inch thick)		
				38		End boring at 40.5 feet bgs.		
				39		Artificial fill to 2 feet bgs.		
						No groundwater encountered.		
SPT	B4@40	6/14/23	‖	40		Boring backfilled with soil cuttings and tamped.	-	7.8 (top)
						Surface restored with asphalt patch.	-	9.7 (bot)

■ - California Modified Sampler (Cal-Mod)
‖ - Standard Penetration Test (SPT)
▨ - Bulk Sample
⊠ - Disturbed Sample or Bag Sample
□ - No Sample Recovered
▼ - Groundwater or Seepage

BORING 5

Los Angeles Department of Water & Power

Project No.: LCW81
Client: LADWP
Location: West LA District Yard
12300 Nebraska Avenue
Los Angeles, CA 90025
Elevation: 160 feet MSL
Logged By: AD

Excavation Date: July 11, 2017
Driller: LA General Services
Excavation Method: HSA
Boring Diameter: 7"
Sampling Method: Cal-Mod, SPT
Hammer Drop: 30 inches
Hammer Weight: 140 lbs.

Sample Type	Sample ID	Blow Count (Blows/6-in.)	Recovery	Depth (feet)	USCS Class.	Description	Dry Density (P.C.F)	Moisture Content (%)
Bulk	B5@0-5			0		**Asphalt:** 5 inches **Base:** 2 inches **Artificial Fill:** Sandy Silt, soft, moist, dark brown, fine- to medium-grained, trace fine gravel		
				1				
				2	ML	**Alluvium:** Silt with Sand, soft, moist, dark reddish brown, moist, soft, fine-grained, trace fine-gravel (SMS)		
Cal-Mod	B5@2.5	3/4					96.7	15.7
				3				
				4		-moderate plasticity		
SPT	B5@5	2/2/2		5			-	19.9
				6				
				7				
				8				
				9				
Cal-Mod	B5@10	5/7		10	CL	Clay, firm, moist, dark reddish brown, trace fine gravel (SMS)	104.6	19.4
				11				
				12				
				13				
				14	SC	-Clayey Sand, soft, moist, dark reddish brown, fine- to medium-grained with trace coarse-grained, trace fine gravel		
SPT	B5@15	2/2/3		15			-	13.5
Bulk	B5@15-20							
				16				
				17				
				18				
				19	SC-SM	Silty Clayey Sand with Gravel, medium dense, moist, dark reddish brown, fine- to coarse-grained, fine gravel (SMS)		
Cal-Mod	B5@20	13/11		20			120.7	5.9

- California Modified Sampler (Cal-Mod)
- Standard Penetration Test (SPT)
- Bulk Sample
- Disturbed Sample or Bag Sample
- No Sample Recovered
- Groundwater or Seepage

BORING 5 (Continued)

Los Angeles Department of Water & Power

Project No.: LCW81
Client: LADWP
Location: West LA District Yard
12300 Nebraska Avenue
Los Angeles, CA 90025
Elevation: 160 feet MSL
Logged By: AD

Excavation Date: July 11, 2017
Driller: LA General Services
Excavation Method: HSA
Boring Diameter: 7"
Sampling Method: Cal-Mod, SPT
Hammer Drop: 30 inches
Hammer Weight: 140 lbs.

Sample Type	Sample ID	Blow Count (Blows/6-in.)	Recovery	Depth (feet)	USCS Class.	Description	Dry Density (P.C.F)	Moisture Content (%)
				20				
				21	ML	Silt, stiff, moist, dark reddish brown, trace fine gravel (SMS)		
				22				
				23				
				24	SM	Silty Sand with Gravel, loose, moist, dark reddish brown, fine- to coarse-grained, fine gravel		
SPT	B5@25	8/5/4		25			-	5.4
				26				
				27				
				28				
				29	CL	Clay with Sand, firm, moist, dark reddish brown, fine-grained		
Cal-Mod	B5@30	6/11		30			104.8	21.0
				31				
				32				
				33				
				34		-Clay, firm, moist, dark reddish brown		
SPT	B5@35	4/5/7		35			-	27.6
				36				
				37				
				38				
				39				
Cal-Mod	B5@40	31/43		40		-Dense, minor seepage at 40 feet bgs	128.6	10.0

- California Modified Sampler (Cal-Mod)
- Standard Penetration Test (SPT)
- Bulk Sample
- Disturbed Sample or Bag Sample
- No Sample Recovered
- Groundwater or Seepage

BORING 5 (Continued)

Los Angeles Department of Water & Power

Project No.: LCW81
Client: LADWP
Location: West LA District Yard
12300 Nebraska Avenue
Los Angeles, CA 90025
Elevation: 160 feet MSL
Logged By: AD

Excavation Date: July 11, 2017
Driller: LA General Services
Excavation Method: HSA
Boring Diameter: 7"
Sampling Method: Cal-Mod, SPT
Hammer Drop: 30 inches
Hammer Weight: 140 lbs.

Sample Type	Sample ID	Blow Count (Blows/6-in.)	Recovery	Depth (feet)	USCS Class.	Description	Dry Density (P.C.F)	Moisture Content (%)
				40				
				41				
				42				
				43				
				44				
SPT	B5@45	7/9/12		45	SC	Clayey Sand, medium dense, very moist, dark reddish brown, fine- to medium-grained with trace coarse-grained, trace fine gravel	-	14.5
				46				
				47				
				48				
				49				
Cal-Mod	B5@50	18/33		50		-Clayey Sand with Gravel, dense, very moist, dark reddish brown, fine- to coarse-grained, fine gravel	117.4	15.4
				51		End boring at 50.5 feet bgs.		
				52		Artificial fill to 1.5 feet bgs. Minor seepage encountered at 40 feet.		
				53		Boring backfilled with soil cuttings and tamped. Surface restored with asphalt patch.		
				54				
				55				
				56				
				57				
				58				
				59				
				60				

- California Modified Sampler (Cal-Mod)
- Standard Penetration Test (SPT)
- Bulk Sample
- Disturbed Sample or Bag Sample
- No Sample Recovered
- Groundwater or Seepage

BORING 6

Los Angeles Department of Water & Power

Project No.: LCW81
Client: LADWP
Location: West LA District Yard
12300 Nebraska Avenue
Los Angeles, CA 90025
Elevation: 159 feet MSL
Logged By: AD

Excavation Date: July 11, 2017
Driller: LA General Services
Excavation Method: Flight Auger
Boring Diameter: 7"
Sampling Method: Cal-Mod, SPT
Hammer Drop: 30 inches
Hammer Weight: 140 lbs.

Sample Type	Sample ID	Blow Count (Blows/6-in.)	Recovery	Depth (feet)	USCS Class.	Description	Dry Density (P.C.F)	Moisture Content (%)
				0		**Asphalt:** 6 inches **Base:** 6 inches		
				1		**Artificial Fill:** Sandy Silt, soft, moist, dark brown, fine- to medium-grained, trace fine gravel		
SPT	B6@2.5	1/2/2		2	CL	**Alluvium:** Clay, soft, moist, dark reddish brown, trace fine-grained sand	-	28.1
				3				
				4		-Clay with Sand, soft, moist, dark reddish brown, fine-grained		
Cal-Mod	B6@5	3/4		5			102.1	21.3
				6				
				7				
				8				
				9		- Fine-grained with trace medium- and coarse-grained		
SPT	B6@10	2/2/3		10			-	19.1
				11				
				12				
				13				
				14				
Cal-Mod	B6@15	3/8		15	GC	-Clayey Gravel with Sand, loose, moist, dark reddish brown, fine-grained with trace-medium and coarse-grained, fine gravel (SMS)	117.1	9.6
				16				
				17				
				18				
				19	SC	Clayey Sand, medium dense, moist, dark reddish brown, fine- to coarse-grained		
SPT	B6@20	8/6/5		20			-	12.8 (top)
						(continued on next sheet)	-	4.7 (bot)

- California Modified Sampler (Cal-Mod)
- Standard Penetration Test (SPT)
- Bulk Sample
- Disturbed Sample or Bag Sample
- No Sample Recovered
- Groundwater or Seepage

BORING 6 (Continued)

Los Angeles Department of Water & Power

Project No.: LCW81
Client: LADWP
Location: West LA District Yard
12300 Nebraska Avenue
Los Angeles, CA 90025
Elevation: 159 feet MSL
Logged By: AD

Excavation Date: July 11, 2017
Driller: LA General Services
Excavation Method: Flight Auger
Boring Diameter: 7"
Sampling Method: Cal-Mod, SPT
Hammer Drop: 30 inches
Hammer Weight: 140 lbs.

Sample Type	Sample ID	Blow Count (Blows/6-in.)	Recovery	Depth (feet)	USCS Class.	Description	Dry Density (P.C.F)	Moisture Content (%)
				20	SP-SM	Sand with Silt and Gravel, medium dense, moist, dark reddish brown, fine- to coarse-grained, fine gravel (SMS)		
				21				
				22				
				23				
				24	ML	Silt with Sand, firm, moist, dark reddish brown, fine- to medium-grained, some fine to coarse gravel (SMS)		
Cal-Mod	B6@25	7/8	■	25			105.2	21.0
				26		End boring at 25.5 feet bgs.		
						Artificial fill to 1.5 feet bgs.		
				27		No groundwater encountered.		
						Boring backfilled with soil cuttings and tamped.		
				28		Surface restored with asphalt patch.		
				29				
				30				
				31				
				32				
				33				
				34				
				35				
				36				
				37				
				38				
				39				
				40				

■ - California Modified Sampler (Cal-Mod)
‖ - Standard Penetration Test (SPT)
▨ - Bulk Sample
⊠ - Disturbed Sample or Bag Sample
□ - No Sample Recovered
▼ - Groundwater or Seepage

BORING 7

Los Angeles Department of Water & Power

Project No.: LCW81
Client: LADWP
Location: West LA District Yard
12300 Nebraska Avenue
Los Angeles, CA 90025
Elevation: 158 feet MSL
Logged By: AD

Excavation Date: July 11, 2017
Driller: LA General Services
Excavation Method: Flight Auger
Boring Diameter: 7"
Sampling Method: Cal-Mod, SPT
Hammer Drop: 30 inches
Hammer Weight: 140 lbs.

Sample Type	Sample ID	Blow Count (Blows/6-in.)	Recovery	Depth (feet)	USCS Class.	Description	Dry Density (P.C.F)	Moisture Content (%)
Bulk	B7@0-5			0		**Asphalt:** 6 inches **Base:** 6 inches **Artificial Fill:** Sandy Silt, soft, moist, dark brown, fine- to medium-grained, trace fine-gravel		
				1				
				2	CL	**Alluvium:** Clay, soft, moist, dark reddish brown		
Cal-Mod	B7@2.5	3/3					85.1	28.6
				3				
				4		-Clay with Sand, soft, moist, dark reddish brown, fine-grained		
SPT	B7@5	2/2/3		5			-	20.8
				6				
				7				
				8				
				9		-Firm		
Cal-Mod	B7@10	5/7		10			104.2	15.9
				11				
				12				
				13				
				14		-Soft		
SPT	B7@15	3/2/4		15			-	17.7
				16				
				17		@19.5' Sandy Silt, firm, moist, dark reddish brown, fine- to medium-grained		
				18	ML			
				19		End boring at 20.5 feet bgs. Artificial fill to 1.5 feet bgs. No groundwater encountered.		
Cal-Mod	B7@20	5/9		20		Boring backfilled with soil cuttings and tamped. Surface restored with asphalt patch.	110.2	16.8

- California Modified Sampler (Cal-Mod)
- Standard Penetration Test (SPT)
- Bulk Sample
- Disturbed Sample or Bag Sample
- No Sample Recovered
- Groundwater or Seepage

APPENDIX C. LABORATORY TESTING RESULTS

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

WEST LA DISTRICT YARD
STANDARD PENETRATION TEST AND CAL. MODIFIED 2.875 IN. DIA. SAMPLES
SOIL CLASSIFICATION (ASTM D2487-11), WATER CONTENT (ASTM D2216-10), & IN-PLACE UNIT WEIGHT (ASTM D2937-10).

Sample Type[1]	Boring / Location	Depth (ft.)[2]	Classification of Soils for Engineering Purposes (Unified Soil Classification System)														Water Content	In-Place Dry Unit Weight
			Maximum Particle Size[3]	Sieve Analysis-Percent Passing (%) (US Standard Sieve Size)								Coefficients[4]		Atterberg Limits[5]		Soil Classification[6]		
				1 1/2 in.	3/4 in.	3/8 in.	No. 4	No. 10	No. 40	No. 100	No. 200	Uniformity (Cu)	Curvature (Cc)	Liquid Limit (LL)	Plasticity Index (PI)		(%)	(pcf)
SPT	B-1	15.0	3/4-in.	100.0	93.6	86.9	80.9	73.5	63.8	55.0	47.3	ND	ND	29	11	SC, CLAYEY SAND WITH GRAVEL	9.9	
CA	B-1	20.0	3/8-in.	100.0	100.0	98.5	92.2	91.0	89.6	87.7	86.3	ND	ND	39	17	CL, LEAN CLAY	12.2	115.4
SPT	B-1	25.0	3/8-in.	100.0	100.0	99.3	96.5	91.4	80.3	68.5	58.4	ND	ND	26	10	CL, SANDY LEAN CLAY	11.4	
CA	B-1	30.0	No. 4	100.0	100.0	100.0	99.9	99.1	94.5	89.9	87.6	ND	ND	36	14	CL, LEAN CLAY	15.4	104.0
SPT	B-1	35.0 (1)															4.5	
SPT	B-1	35.0 (2)															15.7	
CA	B-1	40.0	3/4-in.	100.0	93.5	85.1	69.2	56.5	38.3	26.3	21.6	ND	ND	26	9	SC, CLAYEY SAND WITH GRAVEL	6.3	124.2
CA	B-2	15.0	3/4-in.	100.0	90.6	73.8	61.5	53.7	44.3	35.7	30.4	ND	ND	29	11	GC, CLAYEY GRAVEL WITH SAND	9.5	122.2
SPT	B-2	20.0	3/4-in.	100.0	98.2	92.2	83.7	70.6	54.6	44.1	38.7	ND	ND	25	9	SC, CLAYEY SAND WITH GRAVEL	10.1	
CA	B-2	25.0	No. 40	100.0	100.0	100.0	100.0	100.0	99.8	97.6	84.5	ND	ND	33	13	CL, LEAN CLAY W/SAND	23.1	100.3
SPT	B-2	30.0 (1)															18.2	
SPT	B-2	30.0 (2)															4.9	
CA	B-2	35.0															26.5	96.6
SPT	B-2	40.0															12.0	
CA	B-2	45.0	3/4-in.	100.0	91.0	64.5	39.7	29.8	14.8	9.1	8.3	47.5	2.8	26	8	GW-GC, WELL-GRADED GRAVEL W/CLAY AND SAND	9.5	132.4
SPT	B-2	50.0	3/4-in.	100.0	95.1	89.5	77.1	60.9	38.1	24.1	19.7	ND	ND	23	7	SC-SM, SILTY, CLAYEY SAND WITH GRAVEL	9.6	
SPT	B-3	7.5	3/4-in.	100.0	99.0	95.1	92.2	86.5	77.4	66.4	59.4	ND	ND	30	13	CL, SANDY LEAN CLAY	13.6	
CA	B-3	15.0	3/8-in.	100.0	100.0	90.4	83.0	70.5	43.4	24.7	19.8	ND	ND	24	9	SC, CLAYEY SAND WITH GRAVEL	7.3	117.9
SPT	B-3	20.0															13.0	
CA	B-3	25.0	3/4-in.	100.0	91.4	69.2	48.3	41.1	26.6	19.2	16.0	ND	ND	28	11	GC, CLAYEY GRAVEL WITH SAND	6.3	120.0
SPT	B-3	30.0	No. 40	100.0	100.0	100.0	100.0	100.0	99.7	97.2	90.3	ND	ND	32	13	CL, LEAN CLAY	25.8	
CA	B-3	35.0	No. 10	100.0	100.0	100.0	100.0	99.8	98.4	82.4	58.3	ND	ND	27	9	CL, SANDY LEAN CLAY	16.1	105.6
SPT	B-3	40.0	3/8-in.	100.0	100.0	93.8	87.1	81.9	73.5	61.5	50.6	ND	ND	28	11	CL/SC, SANDY LEAN CLAY	14.3	

08/29/17

NOTES:

1. SPT = STANDARD PENETRATION TEST, CA = CALIFORNIA MODIFIED SAMPLES (2.875 IN. DIA.).
2. 1 OR 2 = SAMPLES AT THE SAME DEPTH.
3. MAXIMUM NOMINAL PARTICLE SIZE RETAINED ON THE INDICATED US STANDARD SIEVE .
4. ND = NOT DETERMINED. COEFFICIENTS DO NOT HAVE TO BE DETERMINED WHEN MORE THAN 12% OF THE TEST SPECIMEN PASSES THE NO. 200 SIEVE.
5. NP = NON-PLASTIC
6. GROUP SYMBOLS SEPARATED BY A DASH (-) ARE DUAL SYMBOLS. GROUP SYMBOLS SEPARATED BY A BACK SLASH (/) ARE BORDERLINE IN WHICH THE ASSIGNED GROUP SYMBOL IS ON THE LEFT AND THE ADJACENT OR BORDERING SYMBOL IS ON THE RIGHT.

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

WEST LA DISTRICT YARD
STANDARD PENETRATION TEST AND CAL. MODIFIED 2.875 IN. DIA. SAMPLES
SOIL CLASSIFICATION (ASTM D2487-11), WATER CONTENT (ASTM D2216-10), & IN-PLACE UNIT WEIGHT (ASTM D2937-10).

Sample Type[1]	Boring / Location	Depth (ft.)[2]	Classification of Soils for Engineering Purposes (Unified Soil Classification System)														Water Content	In-Place Dry Unit Weight
			Maximum Particle Size[3]	Sieve Analysis-Percent Passing (%) (US Standard Sieve Size)								Coefficients[4]		Atterberg Limits[5]		Soil Classification[6]		
				1 1/2 in.	3/4 in.	3/8 in.	No. 4	No. 10	No. 40	No. 100	No. 200	Uniformity (Cu)	Curvature (Cc)	Liquid Limit (LL)	Plasticity Index (PI)		(%)	(pcf)
SPT	B-4	2.5	No. 4	100.0	100.0	100.0	99.7	99.3	98.2	93.5	85.9	ND	ND	37	17	CL, LEAN CLAY	20.5	
CA	B-4	5.0	3/8-in.	100.0	100.0	99.4	99.1	98.8	97.0	91.7	83.5	ND	ND	36	16	CL, LEAN CLAY W/SAND	19.6	105.7
SPT	B-4	10.0	3/8-in.	100.0	100.0	98.3	97.8	96.3	92.7	82.1	71.7	ND	ND	29	13	CL, LEAN CLAY W/SAND	15.5	
CA	B-4	15.0	3/4-in.	100.0	98.4	95.3	89.1	87.4	83.3	75.3	69.4	ND	ND	36	16	CL, SANDY LEAN CLAY	13.5	117.9
SPT	B-4	20.0	3/8-in.	100.0	100.0	98.1	92.9	86.5	73.5	57.9	49.1	ND	ND	26	9	SC/CL, CLAYEY SAND	11.9	
CA	B-4	25.0															7.6	120.2
SPT	B-4	30.0	3/8-in.	100.0	100.0	94.6	86.8	77.8	64.7	51.3	41.7	ND	ND	26	10	SC, CLAYEY SAND	8.6	
CA	B-4	35.0	3/4-in.	100.0	91.6	74.3	45.1	43.3	34.4	27.7	21.9	ND	ND	27	10	GC, CLAYEY GRAVEL WITH SAND	7.2	126.4
SPT	B-4	40.0 (1)	3/4-in.	100.0	96.9	83.1	65.9	52.0	34.7	24.6	21.1	ND	ND	24	8	SC/SC-SM, CLAYEY SAND WITH GRAVEL	7.8	
SPT	B-4	40.0 (2)	3/8-in.	100.0	100.0	87.0	72.5	60.3	47.2	37.4	32.2	ND	ND	22	7	SC-SM, SILTY, CLAYEY SAND WITH GRAVEL	9.7	
SPT	B-5	15.0	3/4-in.	100.0	96.8	94.4	86.3	79.9	69.4	57.8	49.0	ND	ND	28	11	SC/CL, CLAYEY SAND	13.5	
CA	B-5	20.0	3/4-in.	100.0	97.5	86.7	72.0	56.4	34.6	22.0	18.0	ND	ND	23	8	SC/SC-SM, CLAYEY SAND WITH GRAVEL	5.9	120.7
SPT	B-5	25.0	3/8-in.	100.0	100.0	90.2	74.8	55.2	29.8	19.7	16.7	ND	ND	NP	NP	SM, SILTY SAND WITH GRAVEL	5.4	
CA	B-5	30.0	No. 4	100.0	100.0	100.0	99.5	99.3	98.1	90.8	80.7	ND	ND	33	15	CL, LEAN CLAY W/SAND	21.0	104.8
SPT	B-5	35.0	No. 40	100.0	100.0	100.0	100.0	100.0	99.8	98.9	95.1	ND	ND	34	12	CL, LEAN CLAY	27.6	
CA	B-5	40.0															10.0	128.6
SPT	B-5	45.0	3/8-in.	100.0	100.0	96.8	91.2	82.9	71.9	60.0	49.9	ND	ND	30	13	SC/CL, CLAYEY SAND	14.5	
CA	B-5	50.0	3/8-in.	100.0	100.0	97.8	79.3	68.6	50.4	28.1	20.8	ND	ND	22	7	SC-SM, SILTY, CLAYEY SAND WITH GRAVEL	15.4	117.4
SPT	B-6	2.5	No. 4	100.0	100.0	100.0	99.6	99.4	99.1	97.1	93.3	ND	ND	42	19	CL, LEAN CLAY	28.1	
CA	B-6	5.0	3/8-in.	100.0	100.0	99.2	99.0	98.9	98.1	91.6	82.1	ND	ND	36	16	CL, LEAN CLAY W/SAND	21.3	102.1
SPT	B-6	10.0	3/8-in.	100.0	100.0	98.5	95.9	92.7	89.0	83.3	79.2	ND	ND	38	19	CL, LEAN CLAY W/SAND	19.1	
CA	B-6	15.0	3/4-in.	100.0	98.0	88.4	71.7	68.8	63.5	53.3	45.3	ND	ND	29	11	GC, CLAYEY GRAVEL WITH SAND	9.6	117.1
SPT	B-6	20.0 (1)	3/8-in.	100.0	100.0	97.4	89.1	79.0	64.4	53.6	47.2	ND	ND	25	9	SC, CLAYEY SAND	12.8	
SPT	B-6	20.0 (2)	3/8-in.	100.0	100.0	90.6	75.7	56.6	28.4	15.8	12.2	ND	ND	NP	NP	SM/SP-SM, SILTY SAND WITH GRAVEL	4.7	
CA	B-6	25.0															21.0	105.2

08/29/17

NOTES:

1. SPT = STANDARD PENETRATION TEST, CA = CALIFORNIA MODIFIED SAMPLES (2.875 IN. DIA.).
2. 1 OR 2 = SAMPLES AT THE SAME DEPTH.
3. MAXIMUM NOMINAL PARTICLE SIZE RETAINED ON THE INDICATED US STANDARD SIEVE .
4. ND = NOT DETERMINED. COEFFICIENTS DO NOT HAVE TO BE DETERMINED WHEN MORE THAN 12% OF THE TEST SPECIMEN PASSES THE NO. 200 SIEVE.
5. NP = NON-PLASTIC
6. GROUP SYMBOLS SEPARATED BY A DASH (-) ARE DUAL SYMBOLS. GROUP SYMBOLS SEPARATED BY A BACK SLASH (/) ARE BORDERLINE IN WHICH THE ASSIGNED GROUP SYMBOL IS ON THE LEFT AND THE ADJACENT OR BORDERING SYMBOL IS ON THE RIGHT.

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

WEST LA DISTRICT YARD
STANDARD PENETRATION TEST AND CAL. MODIFIED 2.875 IN. DIA. SAMPLES
SOIL CLASSIFICATION (ASTM D2487-11), WATER CONTENT (ASTM D2216-10), & IN-PLACE UNIT WEIGHT (ASTM D2937-10).

Sample Type[1]	Boring / Location	Depth (ft.)[2]	Classification of Soils for Engineering Purposes (Unified Soil Classification System)														Water Content	In-Place Dry Unit Weight
			Maximum Particle Size[3]	Sieve Analysis-Percent Passing (%) (US Standard Sieve Size)								Coefficients[4]		Atterberg Limits[5]		Soil Classification[6]		
				1 1/2 in.	3/4 in.	3/8 in.	No. 4	No. 10	No. 40	No. 100	No. 200	Uniformity (Cu)	Curvature (Cc)	Liquid Limit (LL)	Plasticity Index (PI)		(%)	(pcf)
CA	B-7	2.5	No. 40	100.0	100.0	100.0	100.0	100.0	99.9	99.4	98.2	ND	ND	46	21	CL, LEAN CLAY	28.6	85.1
SPT	B-7	5.0	No. 4	100.0	100.0	100.0	99.6	99.4	99.0	95.8	82.9	ND	ND	33	13	CL, LEAN CLAY W/SAND	20.8	
CA	B-7	10.0	No. 4	100.0	100.0	100.0	99.9	99.3	97.1	85.7	75.9	ND	ND	33	14	CL, LEAN CLAY W/SAND	15.9	104.2
SPT	B-7	15.0	No. 4	100.0	100.0	100.0	99.6	98.9	97.0	91.4	82.7	ND	ND	31	14	CL, LEAN CLAY W/SAND	17.7	
CA	B-7	20.0															16.8	110.2

08/29/17

NOTES:

1. SPT = STANDARD PENETRATION TEST, CA = CALIFORNIA MODIFIED SAMPLES (2.875 IN. DIA.).
2. 1 OR 2 = SAMPLES AT THE SAME DEPTH.
3. MAXIMUM NOMINAL PARTICLE SIZE RETAINED ON THE INDICATED US STANDARD SIEVE .
4. ND = NOT DETERMINED. COEFFICIENTS DO NOT HAVE TO BE DETERMINED WHEN MORE THAN 12% OF THE TEST SPECIMEN PASSES THE NO. 200 SIEVE.
5. NP = NON-PLASTIC
6. GROUP SYMBOLS SEPARATED BY A DASH (-) ARE DUAL SYMBOLS. GROUP SYMBOLS SEPARATED BY A BACK SLASH (/) ARE BORDERLINE IN WHICH THE ASSIGNED GROUP SYMBOL IS ON THE LEFT AND THE ADJACENT OR BORDERING SYMBOL IS ON THE RIGHT.

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

WEST LA DISTRICT YARD
STANDARD PENETRATION TEST AND CAL. MODIFIED 2.875 IN. DIA. SAMPLES
SOIL CLASSIFICATION (ASTM D2487-11), WATER CONTENT (ASTM D2216-10), & IN-PLACE UNIT WEIGHT (ASTM D2937-10).

Sample Type[1]	Boring / Location	Depth (ft.)	Classification of Soils for Engineering Purposes (Unified Soil Classification System)														Water Content	In-Place Dry Unit Weight
			Maximum Particle Size[2]	Sieve Analysis-Percent Passing (%) (US Standard Sieve Size)								Coefficients[3]		Atterberg Limits		Soil Classification		
				1 1/2 in.	3/4 in.	3/8 in.	No. 4	No. 10	No. 40	No. 100	No. 200	Uniformity (Cu)	Curvature (Cc)	Liquid Limit (LL)	Plasticity Index (PI)		(%)	(pcf)[4]
CA	B-1	2.5	No. 4	100.0	100.0	100.0	99.4	98.6	96.9	85.9	72.5	ND	ND	31	11	CL, LEAN CLAY W/SAND	16.9	112.2
SPT	B-1	5.0															12.3	NA
CA	B-1	10.0	3/8-in.	100.0	100.0	98.4	93.2	88.4	77.4	63.1	53.8	ND	ND	27	11	CL, SANDY LEAN CLAY	10.8	116.8
SPT	B-2	2.5															8.8	NA
BAG	B-2	5.0															11.1	NA
SPT	B-2	10.0															13.2	NA
SPT	B-3	2.5															19.4	NA
CA	B-3	5.0	3/8-in.	100.0	100.0	99.1	98.1	95.1	91.1	82.2	70.0	ND	ND	29	11	CL, SANDY LEAN CLAY	19.4	101.3
SPT	B-3	10.0															15.1	NA
CA	B-5	2.5															15.7	96.7
SPT	B-5	5.0															19.9	NA
CA	B-5	10.0	No. 4	100.0	100.0	100.0	98.1	96.7	93.5	87.2	79.1	ND	ND	34	16	CL, LEAN CLAY W/SAND	19.4	104.6

10/12/17

NOTES:

1. CA = CALIFORNIA MODIFIED SAMPLE (2.875 IN. DIA.), SPT = STANDARD PENETRATION TEST, BAG = SMALL BAG SAMPLE.
2. MAXIMUM NOMINAL PARTICLE SIZE RETAINED ON THE INDICATED US STANDARD SIEVE .
3. ND = NOT DETERMINED. COEFFICIENTS DO NOT HAVE TO BE DETERMINED WHEN MORE THAN 12% OF THE TEST SPECIMEN PASSES THE NO. 200 SIEVE.
4. NA = NOT APPLICABLE

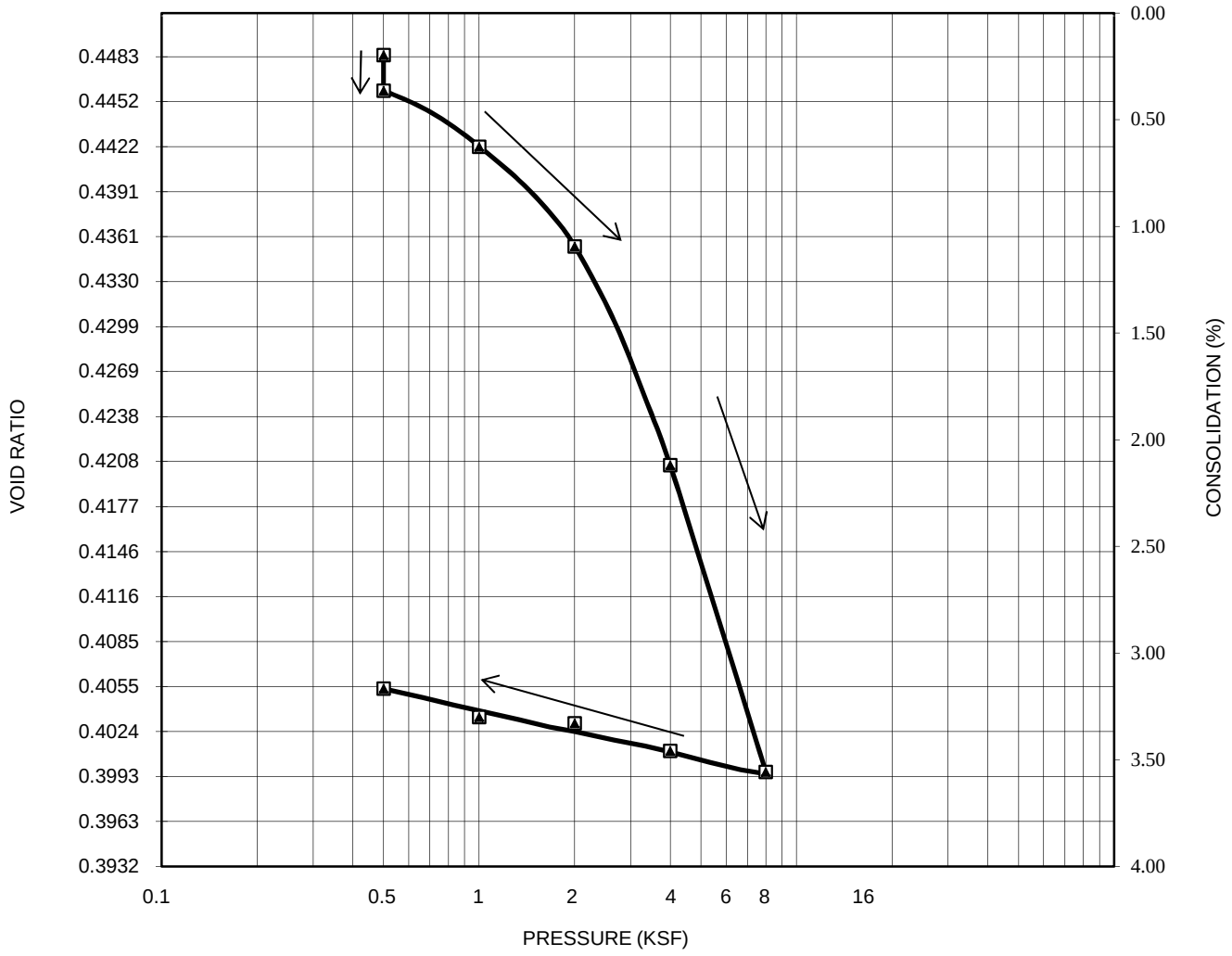
LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING AND TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

ASTM D 2435-11 - ONE-DIMENSIONAL CONSOLIDATION PROPERTIES OF SOILS.

JOB:	WEST LA DISTRICT YARD
SAMPLE:	B-5 @ 20.0'
DATE:	8/28/2017
TEST BY:	JML
DESCRIPTION:	SC/SC-SM, CLAYEY SAND WITH GRAVEL
SPECIFIC GRAVITY:	2.74
NOTE:	UNDISTURBED SAMPLE

SAMPLE PROPERTIES:

	PLACING	REMOVAL
WATER CONTENT (%)	7.0	13.2
DRY UNIT WEIGHT (PCF)	117.9	121.7
SATURATION (%)	42.6	89.4
VOID RATIO	0.4513	0.4053



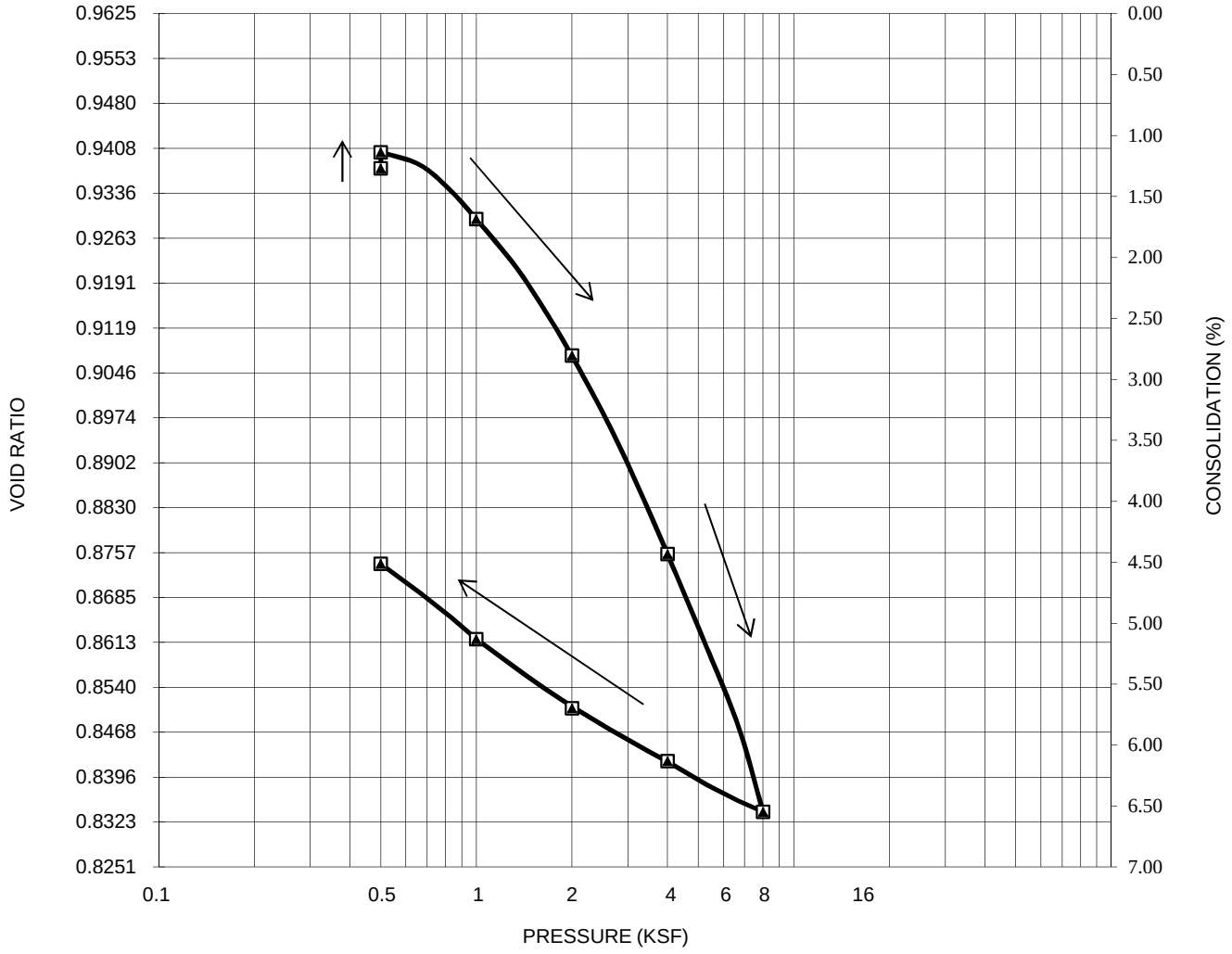
LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING AND TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

ASTM D 2435-11 - ONE-DIMENSIONAL CONSOLIDATION PROPERTIES OF SOILS.

JOB:	WEST LA DISTRICT YARD
SAMPLE:	B-7 @ 2.5'
DATE:	8/14/2017
TEST BY:	JML
DESCRIPTION:	CL, LEAN CLAY
SPECIFIC GRAVITY:	2.70
NOTE:	UNDISTURBED SAMPLE

SAMPLE PROPERTIES:

	PLACING	REMOVAL
WATER CONTENT (%)	30.5	27.8
DRY UNIT WEIGHT (PCF)	85.9	90.0
SATURATION (%)	85.6	85.7
VOID RATIO	0.9625	0.8739



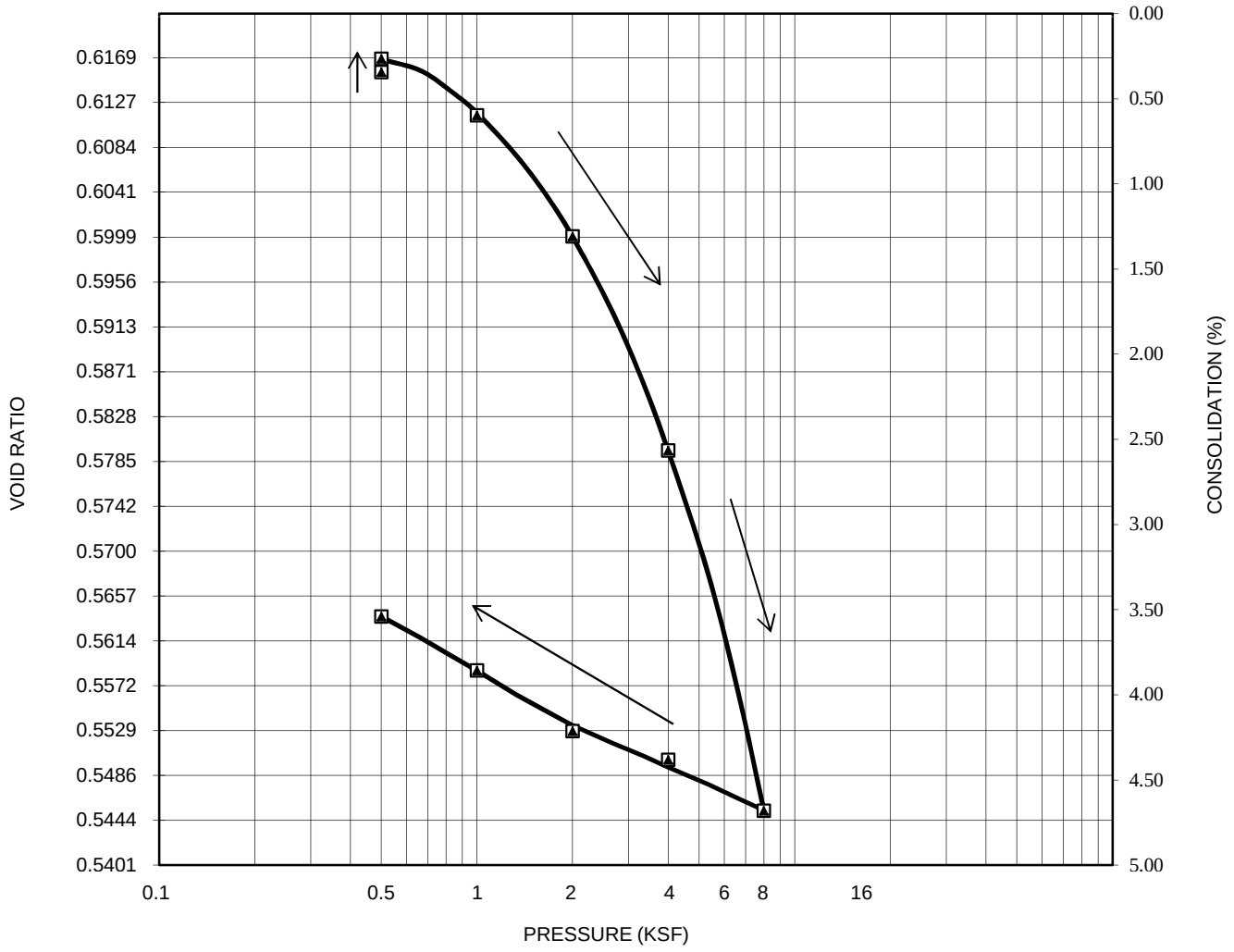
LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING AND TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

ASTM D 2435-11 - ONE-DIMENSIONAL CONSOLIDATION PROPERTIES OF SOILS.

JOB:	WEST LA DISTRICT YARD
SAMPLE:	B-7 @ 10.0'
DATE:	8/14/2017
TEST BY:	JML
DESCRIPTION:	CL, LEAN CLAY W/SAND
SPECIFIC GRAVITY:	2.72
NOTE:	UNDISTURBED SAMPLE

SAMPLE PROPERTIES:

	PLACING	REMOVAL
WATER CONTENT (%)	16.1	18.3
DRY UNIT WEIGHT (PCF)	104.7	108.6
SATURATION (%)	70.7	88.1
VOID RATIO	0.6211	0.5638



LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

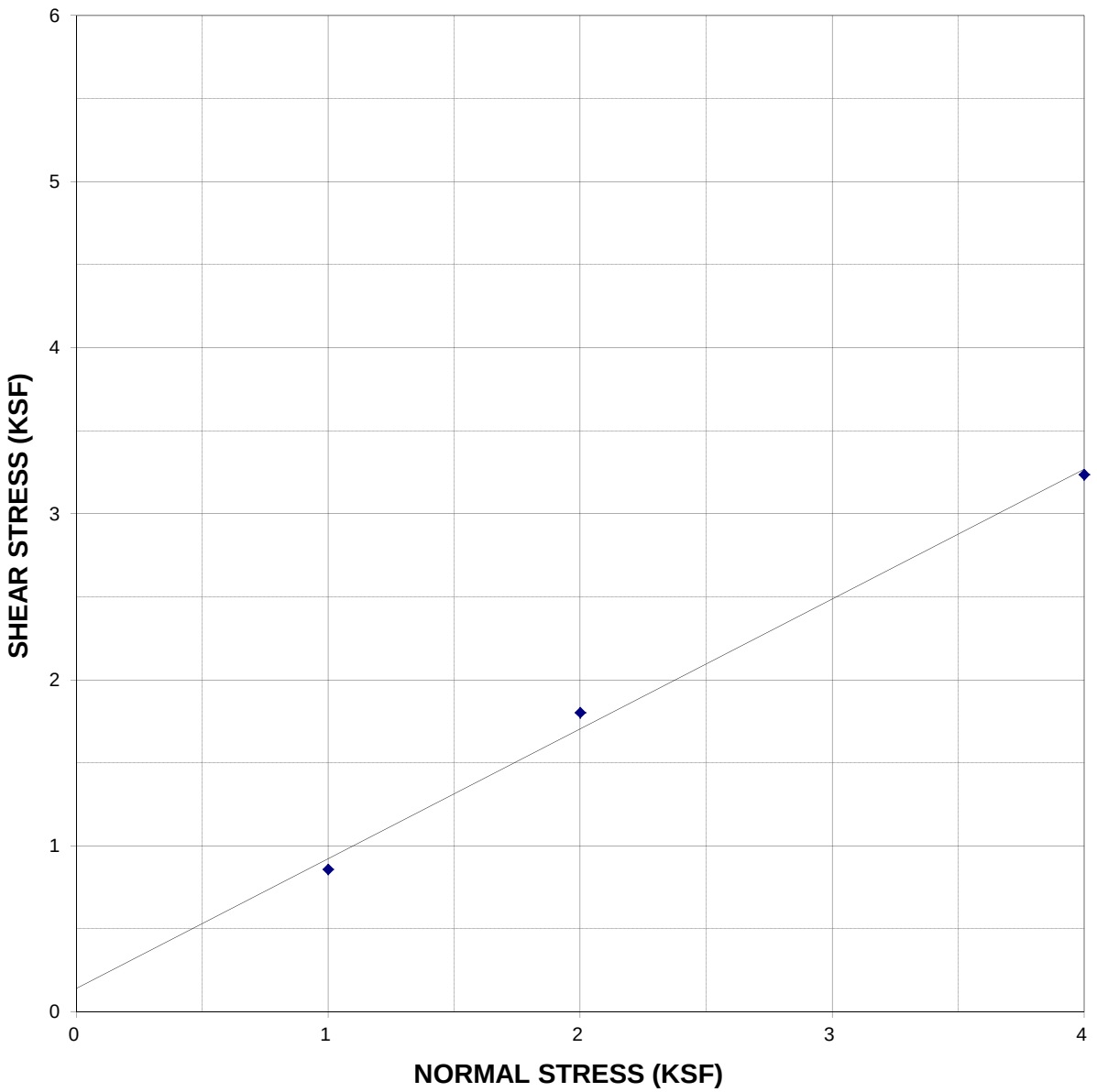
DIRECT SHEAR TEST RESULTS (ASTM D 3080-11)

JOB:	WEST LA DISTRICT YARD
DATE:	10/11/2017
SAMPLE:	B-1 @ 2.5'
TEST BY:	JML
SOIL TYPE:	CL, LEAN CLAY W/SAND
DRY UNIT WT.*:	93.9 pcf
NOTE:	UNDISTURBED SAMPLE

NORMAL STRESS (ksf)	MAX SHEAR FORCE (lb)	MAX SHEAR STRESS (ksf)
1	38.7	0.86
2	81.3	1.80
4	145.9	3.24

FRICTION ANGLE = 38.0 DEGREES
COHESION[1] = 0.14 KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



* THE DRY UNIT WEIGHT IS THE AVERAGE OF THE TESTED SPECIMENS.
1 = GEOTECHNICAL ENGINEER TO USE PROPER JUDGEMENT IN DETERMINING AN APPROPRIATE COHESION VALUE.

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

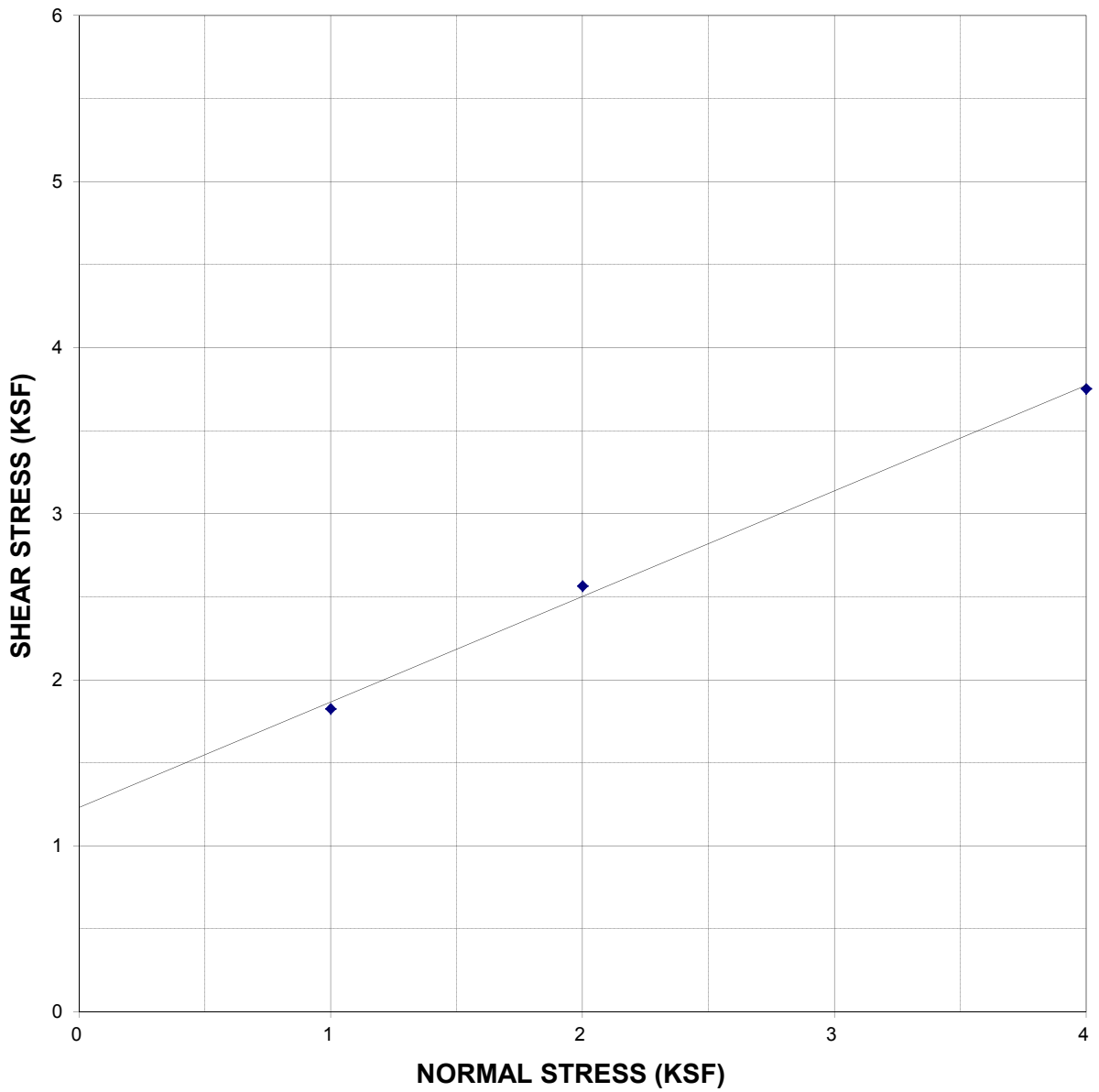
DIRECT SHEAR TEST RESULTS (ASTM D 3080-11)

JOB:	WEST LA DISTRICT YARD
DATE:	10/11/2017
SAMPLE:	B-1 @ 10.0'
TEST BY:	GP
SOIL TYPE:	CL, SANDY LEAN CLAY
DRY UNIT WT.*:	116.7 pcf
NOTE:	UNDISTURBED SAMPLE

NORMAL STRESS (ksf)	MAX SHEAR FORCE (lb)	MAX SHEAR STRESS (ksf)
1	82.3	1.83
2	115.7	2.57
4	169.2	3.75

FRICTION ANGLE = 32.4 DEGREES
COHESION[1] = 1.23 KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



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1 = GEOTECHNICAL ENGINEER TO USE PROPER JUDGEMENT IN DETERMINING AN APPROPRIATE COHESION VALUE.

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

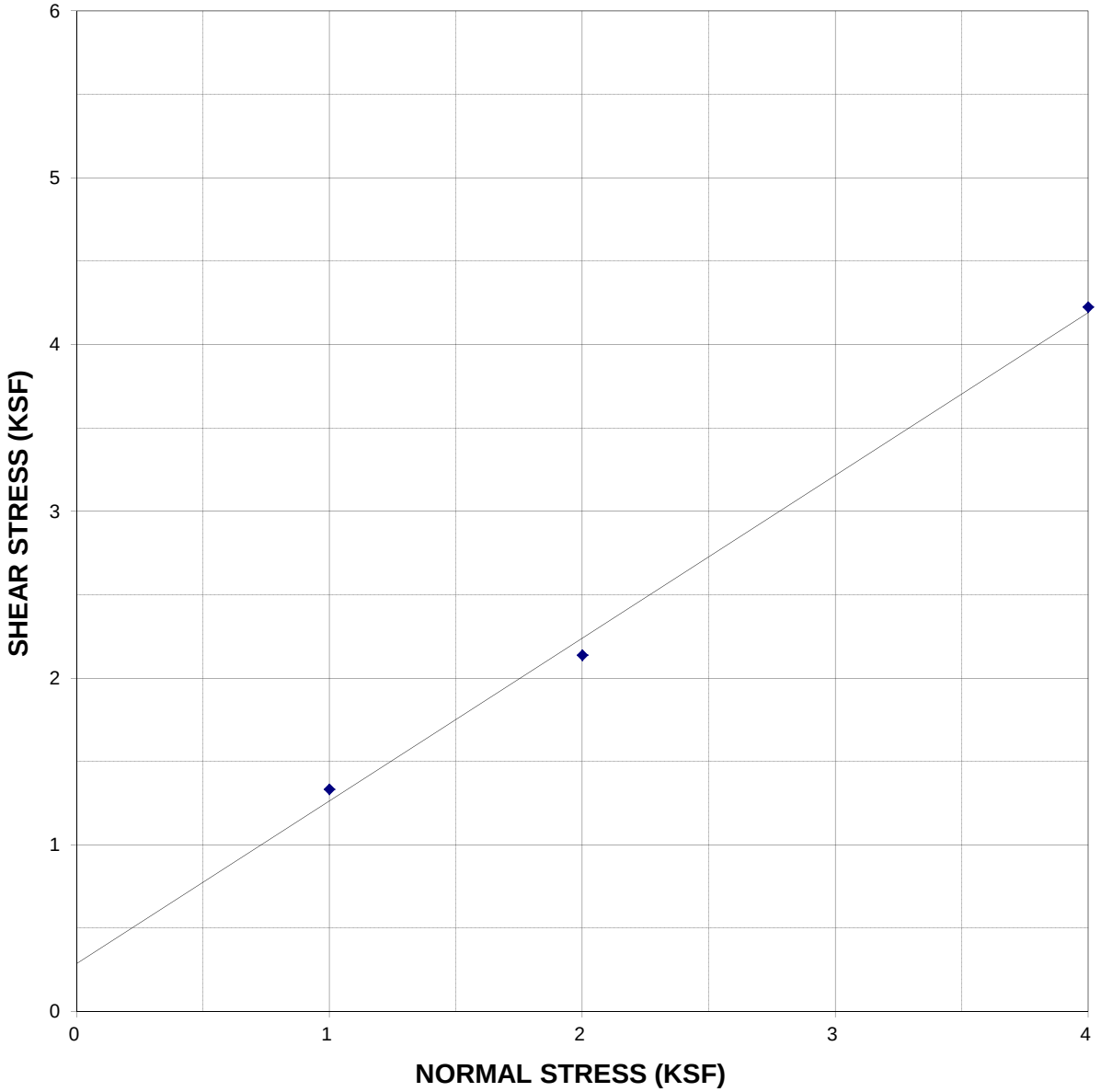
DIRECT SHEAR TEST RESULTS (ASTM D 3080-11)

JOB:	WEST LA DISTRICT YARD
DATE:	8/28/2017
SAMPLE:	B-1 @ 20.0'
TEST BY:	GP
SOIL TYPE:	CL, LEAN CLAY
DRY UNIT WT.*:	115.2 pcf
NOTE:	UNDISTURBED SAMPLE

NORMAL STRESS (ksf)	MAX SHEAR FORCE (lb)	MAX SHEAR STRESS (ksf)
1	60.1	1.33
2	96.4	2.14
4	190.5	4.23

FRICTION ANGLE = 44.3 DEGREES
COHESION[1] = 0.29 KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



* THE DRY UNIT WEIGHT IS THE AVERAGE OF THE TESTED SPECIMENS.
1 = GEOTECHNICAL ENGINEER TO USE PROPER JUDGEMENT IN DETERMINING AN APPROPRIATE COHESION VALUE.

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

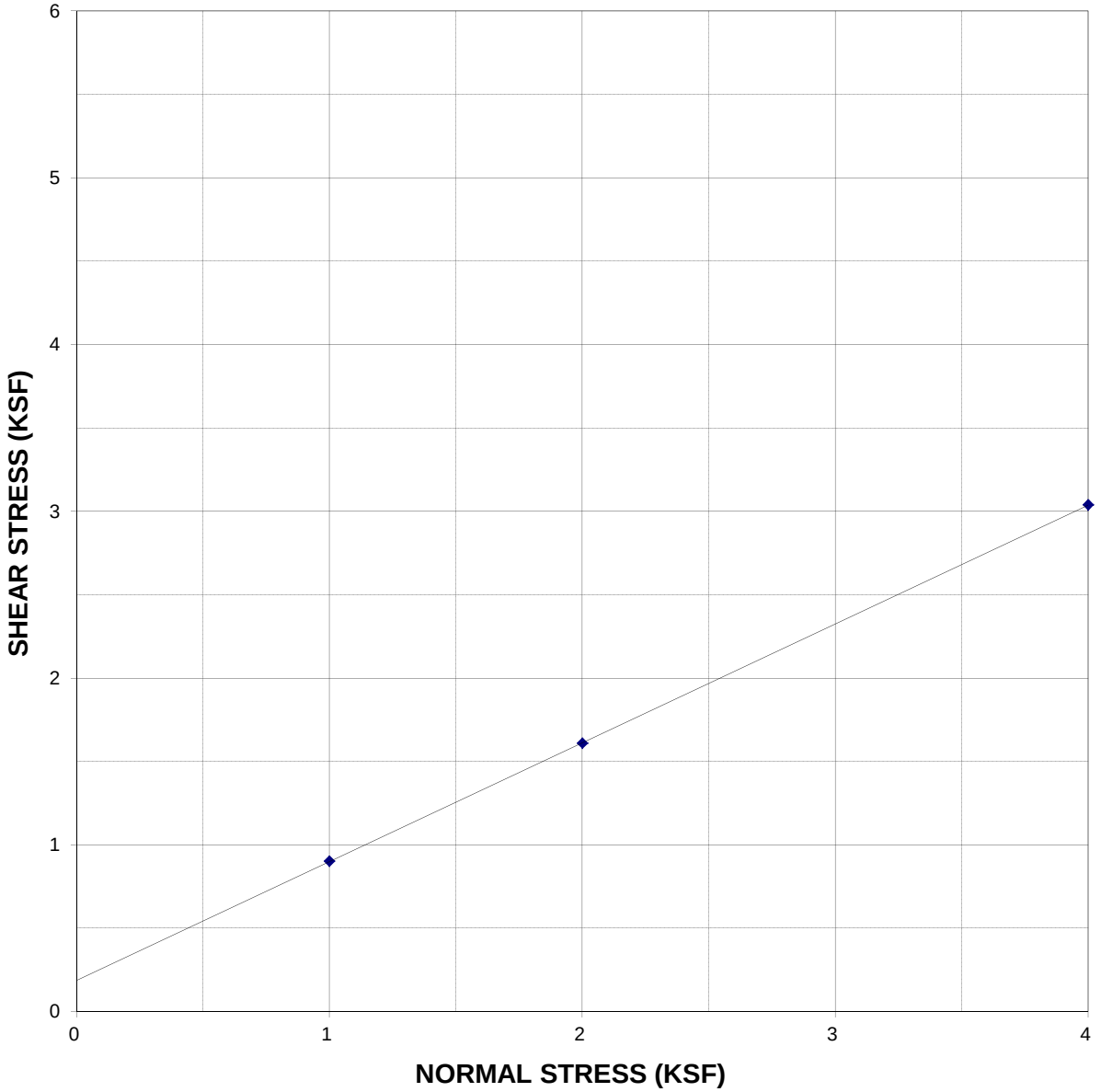
DIRECT SHEAR TEST RESULTS (ASTM D 3080-11)

JOB:	WEST LA DISTRICT YARD
DATE:	8/28/2017
SAMPLE:	B-1 @ 30.0'
TEST BY:	GP
SOIL TYPE:	CL, LEAN CLAY
DRY UNIT WT.*:	105.9 pcf
NOTE:	UNDISTURBED SAMPLE

NORMAL STRESS (ksf)	MAX SHEAR FORCE (lb)	MAX SHEAR STRESS (ksf)
1	40.7	0.90
2	72.6	1.61
4	137.0	3.04

FRICTION ANGLE = 35.5 DEGREES
COHESION[1] = 0.19 KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



* THE DRY UNIT WEIGHT IS THE AVERAGE OF THE TESTED SPECIMENS.
1 = GEOTECHNICAL ENGINEER TO USE PROPER JUDGEMENT IN DETERMINING AN APPROPRIATE COHESION VALUE.

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

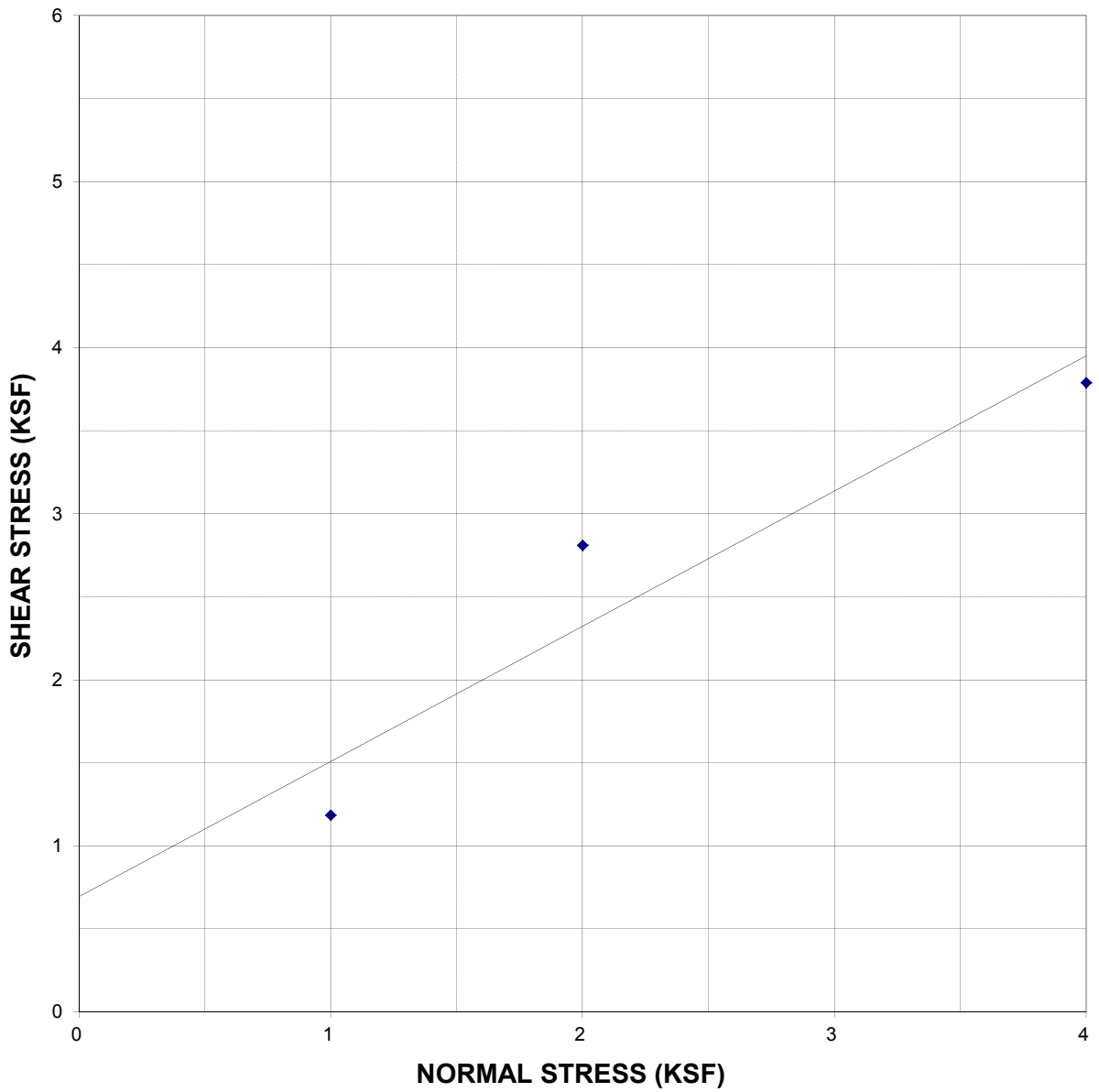
DIRECT SHEAR TEST RESULTS (ASTM D 3080-11)

JOB:	WEST LA DISTRICT YARD
DATE:	8/28/2017
SAMPLE:	B-2 @ 15.0'
TEST BY:	GP
SOIL TYPE:	GC, CLAYEY GRAVEL WITH SAND
DRY UNIT WT.*:	122.1 pcf
NOTE:	UNDISTURBED SAMPLE.
	GRAVEL IN THE SHEAR PLANE.

NORMAL STRESS (ksf)	MAX SHEAR FORCE (lb)	MAX SHEAR STRESS (ksf)
1	53.4	1.18
2	126.7	2.81
4	170.8	3.79

FRICTION ANGLE = 39.1 DEGREES
COHESION[1] = 0.70 KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



* THE DRY UNIT WEIGHT IS THE AVERAGE OF THE TESTED SPECIMENS.
1 = GEOTECHNICAL ENGINEER TO USE PROPER JUDGEMENT IN DETERMINING AN APPROPRIATE COHESION VALUE.

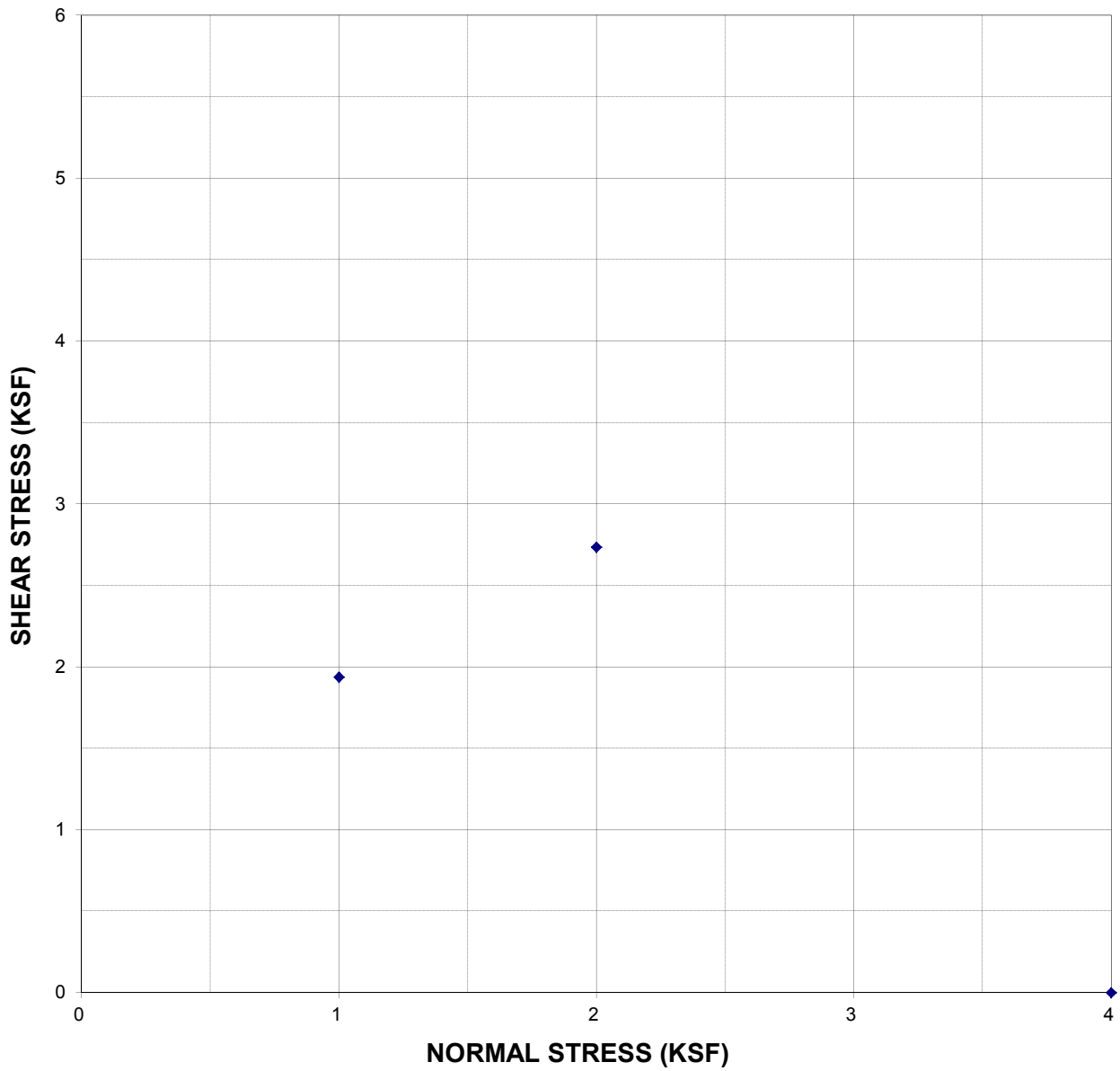
LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

DIRECT SHEAR TEST RESULTS (ASTM D 3080-11)

JOB:	WEST LA DISTRICT YARD		MAX	MAX
DATE:	8/14/2017	NORMAL	SHEAR	SHEAR
SAMPLE:	B-2 @ 45.0'	STRESS	FORCE	STRESS
TEST BY:	GP	(ksf)	(lb)	(ksf)
SOIL TYPE:	GW-GC, WELL-GRADED GRAVEL W/CLAY AND SAND			
DRY UNIT WT.*:	129.9 pcf	1	87.3	1.94
NOTE:	UNDISTURBED SAMPLE.	2	123.3	2.73
	GRAVEL IN SHEAR PLANE HALTED TEST.	4	VOID	0.00

FRICTION ANGLE = DEGREES
COHESION[1] = KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



* THE DRY UNIT WEIGHT IS THE AVERAGE OF THE TESTED SPECIMENS.
1 = GEOTECHNICAL ENGINEER TO USE PROPER JUDGEMENT IN DETERMINING AN APPROPRIATE COHESION VALUE.

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

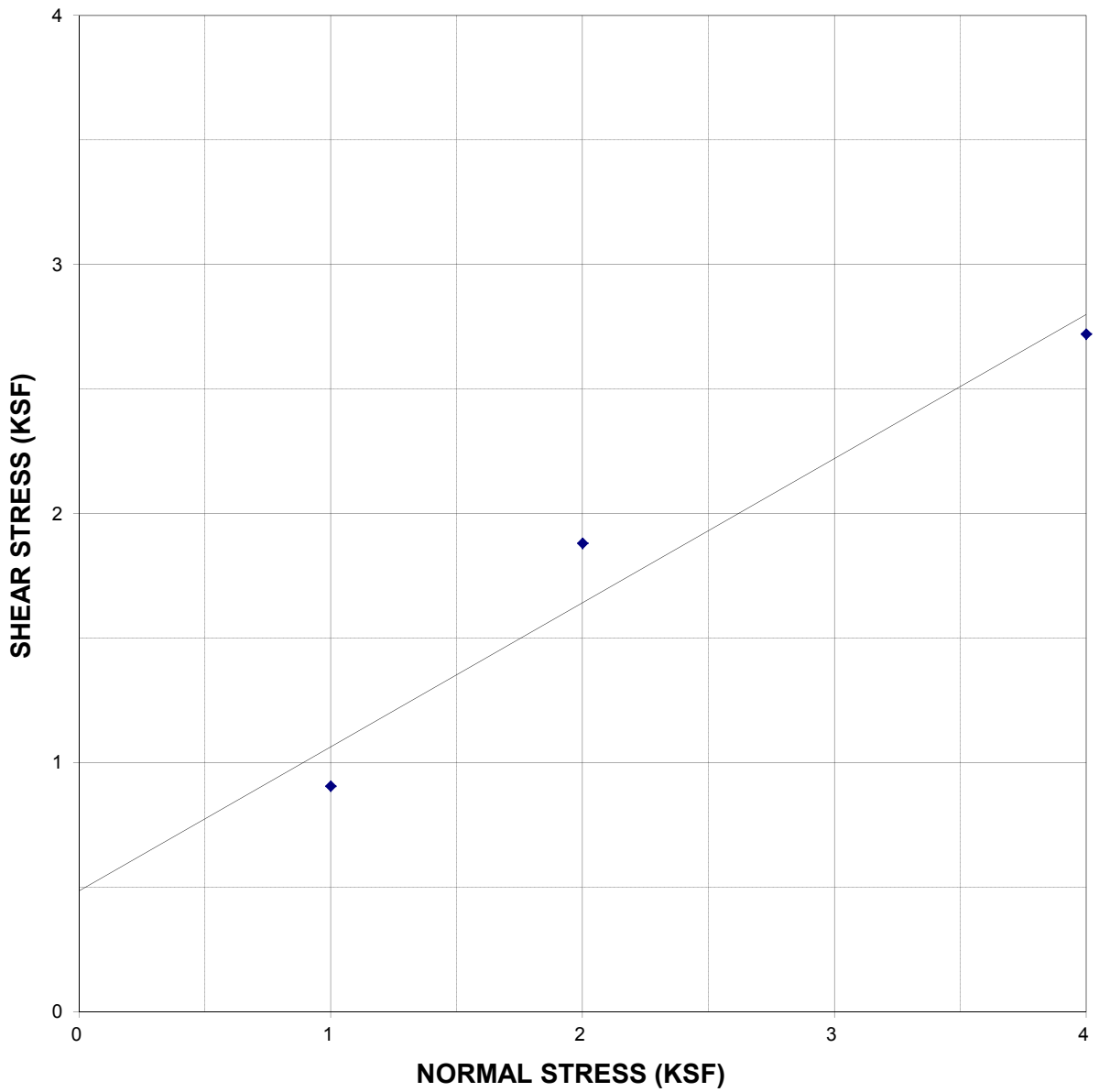
DIRECT SHEAR TEST RESULTS (ASTM D 3080-11)

JOB:	WEST LA DISTRICT YARD
DATE:	10/4/2017
SAMPLE:	B-3 @ 5.0'
TEST BY:	JML
SOIL TYPE:	CL, SANDY LEAN CLAY
DRY UNIT WT.*:	101.3 pcf
NOTE:	UNDISTURBED SAMPLE

NORMAL STRESS (ksf)	MAX SHEAR FORCE (lb)	MAX SHEAR STRESS (ksf)
1	40.9	0.91
2	84.8	1.88
4	122.7	2.72

FRICTION ANGLE = 30.0 DEGREES
COHESION[1] = 0.49 KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



* THE DRY UNIT WEIGHT IS THE AVERAGE OF THE TESTED SPECIMENS.
1 = GEOTECHNICAL ENGINEER TO USE PROPER JUDGEMENT IN DETERMINING AN APPROPRIATE COHESION VALUE.

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

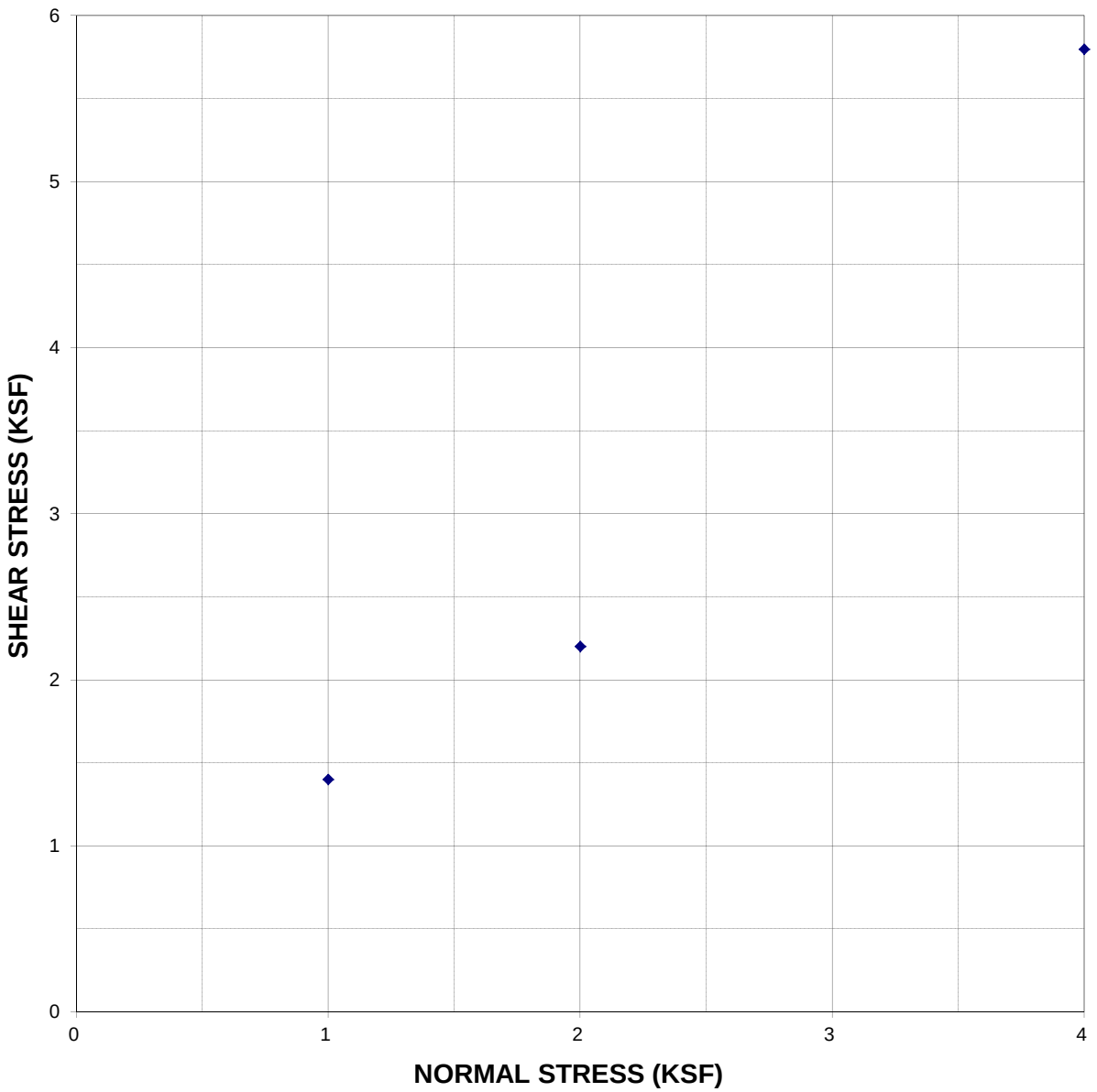
DIRECT SHEAR TEST RESULTS (ASTM D 3080-11)

JOB:	WEST LA DISTRICT YARD
DATE:	8/28/2017
SAMPLE:	B-3 @ 25.0'
TEST BY:	GP
SOIL TYPE:	GC, CLAYEY GRAVEL WITH SAND
DRY UNIT WT.*:	127.9 pcf
NOTE:	UNDISTURBED SAMPLE. GRAVEL ON SHEAR PLANE AT 4 KSF NORMAL FORCE.

NORMAL STRESS (ksf)	MAX SHEAR FORCE (lb)	MAX SHEAR STRESS (ksf)
1	63.2	1.40
2	99.3	2.20
4	261.3	5.80

FRICTION ANGLE = DEGREES
COHESION[1] = KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



* THE DRY UNIT WEIGHT IS THE AVERAGE OF THE TESTED SPECIMENS.
1 = GEOTECHNICAL ENGINEER TO USE PROPER JUDGEMENT IN DETERMINING AN APPROPRIATE COHESION VALUE.

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

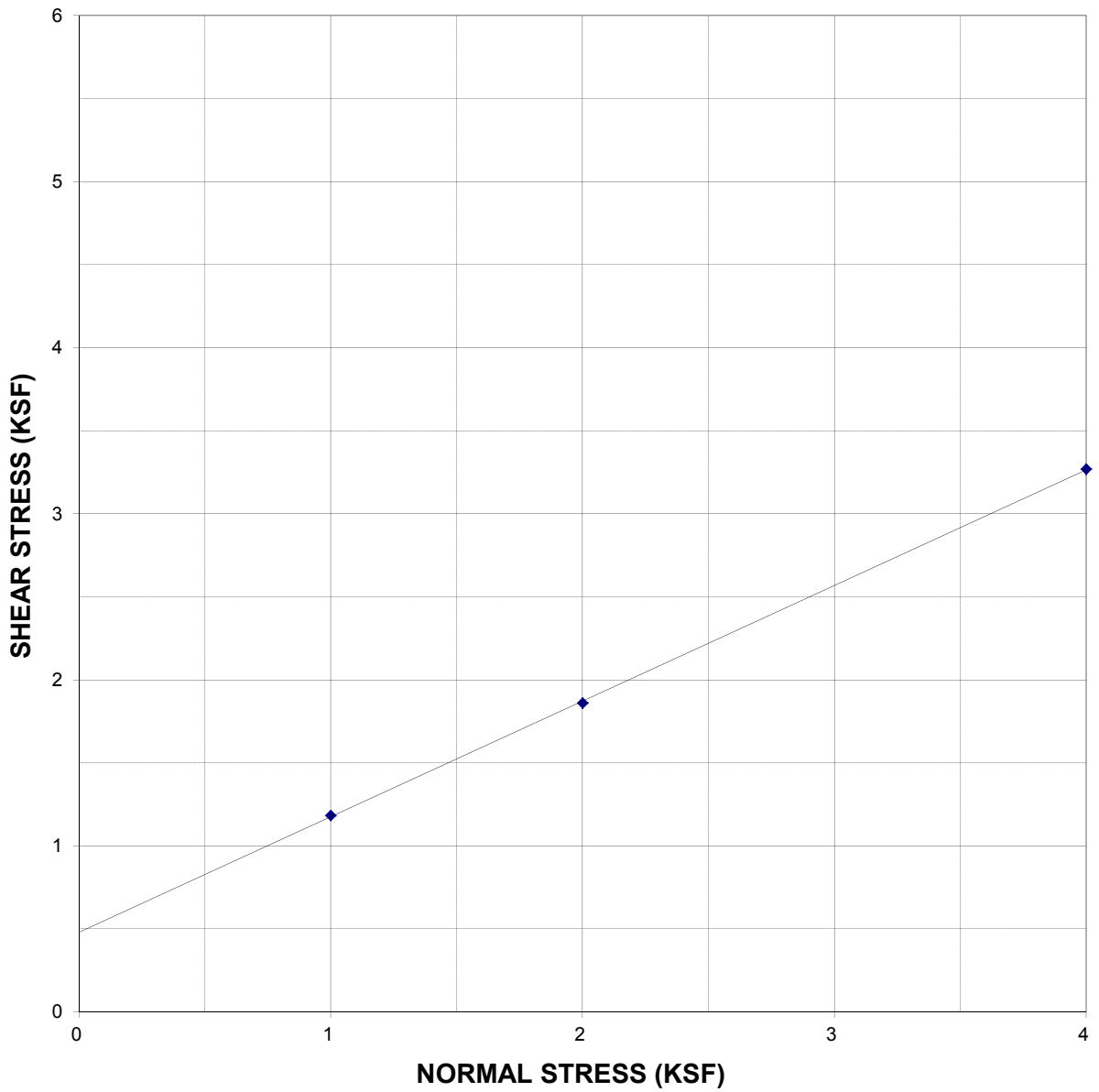
DIRECT SHEAR TEST RESULTS (ASTM D 3080-11)

JOB:	WEST LA DISTRICT YARD
DATE:	8/28/2017
SAMPLE:	B-4 @15.0'
TEST BY:	GP
SOIL TYPE:	CL, SANDY LEAN CLAY
DRY UNIT WT.*:	114.1 pcf
NOTE:	UNDISTURBED SAMPLE

NORMAL STRESS (ksf)	MAX SHEAR FORCE (lb)	MAX SHEAR STRESS (ksf)
1	53.4	1.18
2	83.9	1.86
4	147.3	3.27

FRICTION ANGLE = 34.8 DEGREES
COHESION[1] = 0.48 KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



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1 = GEOTECHNICAL ENGINEER TO USE PROPER JUDGEMENT IN DETERMINING AN APPROPRIATE COHESION VALUE.

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

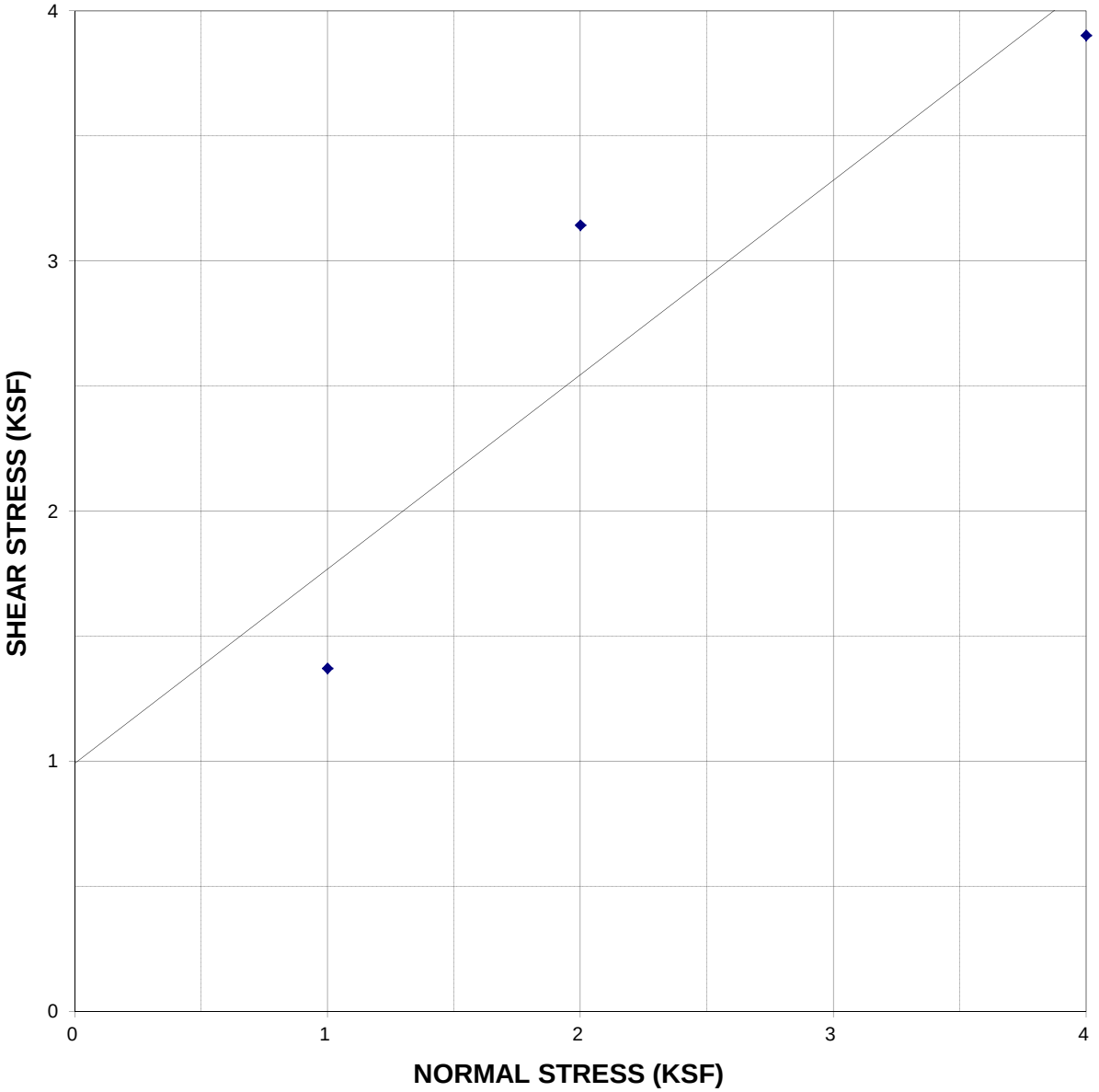
DIRECT SHEAR TEST RESULTS (ASTM D 3080-11)

JOB:	WEST LA DISTRICT YARD
DATE:	8/28/2017
SAMPLE:	B-4 @ 35.0'
TEST BY:	JML
SOIL TYPE:	GC, CLAYEY GRAVEL WITH SAND
DRY UNIT WT.*:	124.4 pcf
NOTE:	UNDISTURBED SAMPLE
	GRAVEL ON SHEAR PLANE.

NORMAL STRESS (ksf)	MAX SHEAR FORCE (lb)	MAX SHEAR STRESS (ksf)
1	61.9	1.37
2	141.7	3.14
4	175.9	3.90

FRICTION ANGLE = 37.8 DEGREES
COHESION[1] = 0.99 KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



* THE DRY UNIT WEIGHT IS THE AVERAGE OF THE TESTED SPECIMENS.
1 = GEOTECHNICAL ENGINEER TO USE PROPER JUDGEMENT IN DETERMINING AN APPROPRIATE COHESION VALUE.

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

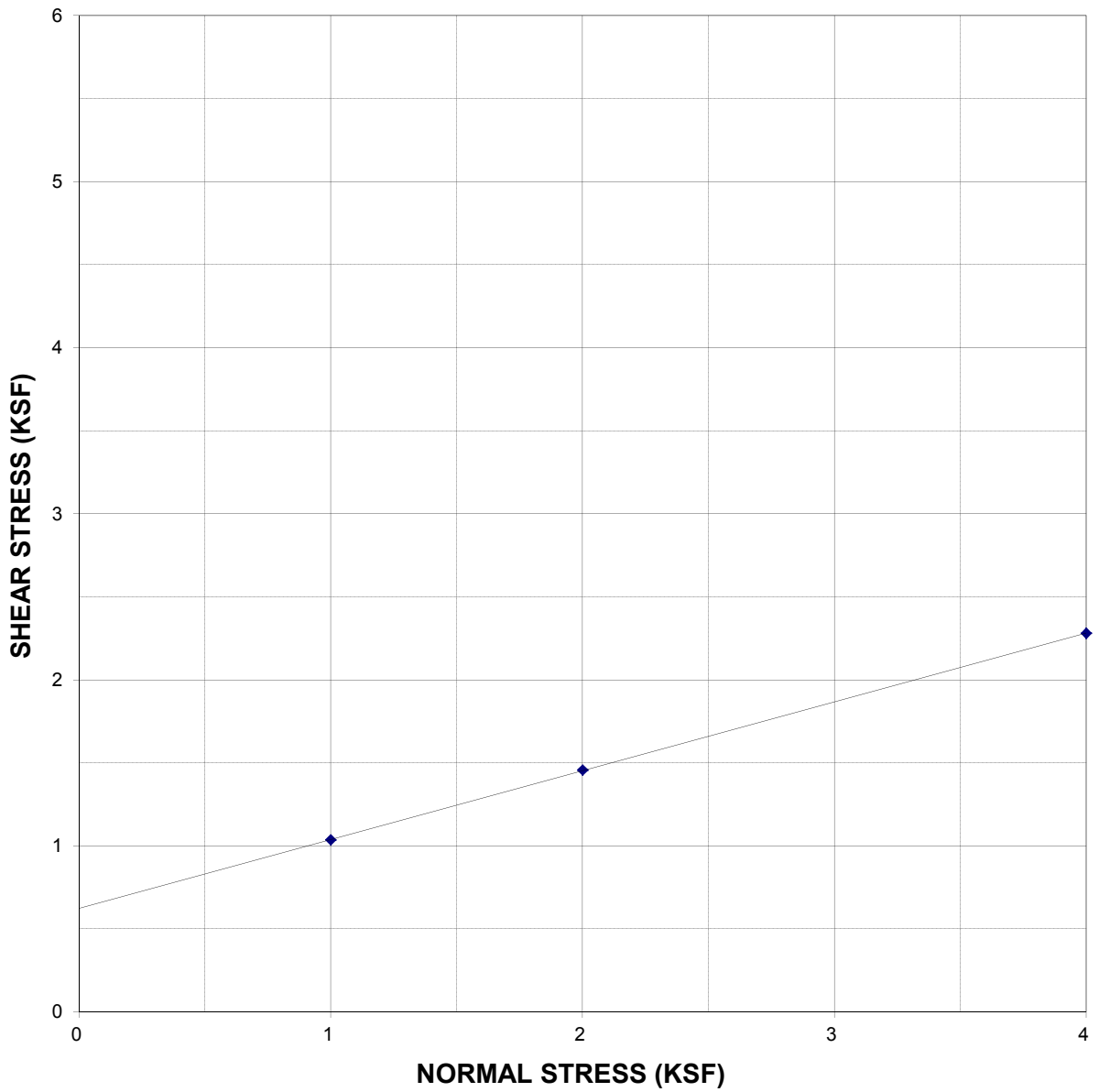
DIRECT SHEAR TEST RESULTS (ASTM D 3080-11)

JOB:	WEST LA DISTRICT YARD
DATE:	10/11/2017
SAMPLE:	B-5 @ 10.0'
TEST BY:	JML
SOIL TYPE:	CL, LEAN CLAY W/SAND
DRY UNIT WT.*:	104.2 pcf
NOTE:	UNDISTURBED SAMPLE

NORMAL STRESS (ksf)	MAX SHEAR FORCE (lb)	MAX SHEAR STRESS (ksf)
1	46.8	1.04
2	65.6	1.46
4	102.8	2.28

FRICTION ANGLE = 22.5 DEGREES
COHESION[1] = 0.62 KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



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LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

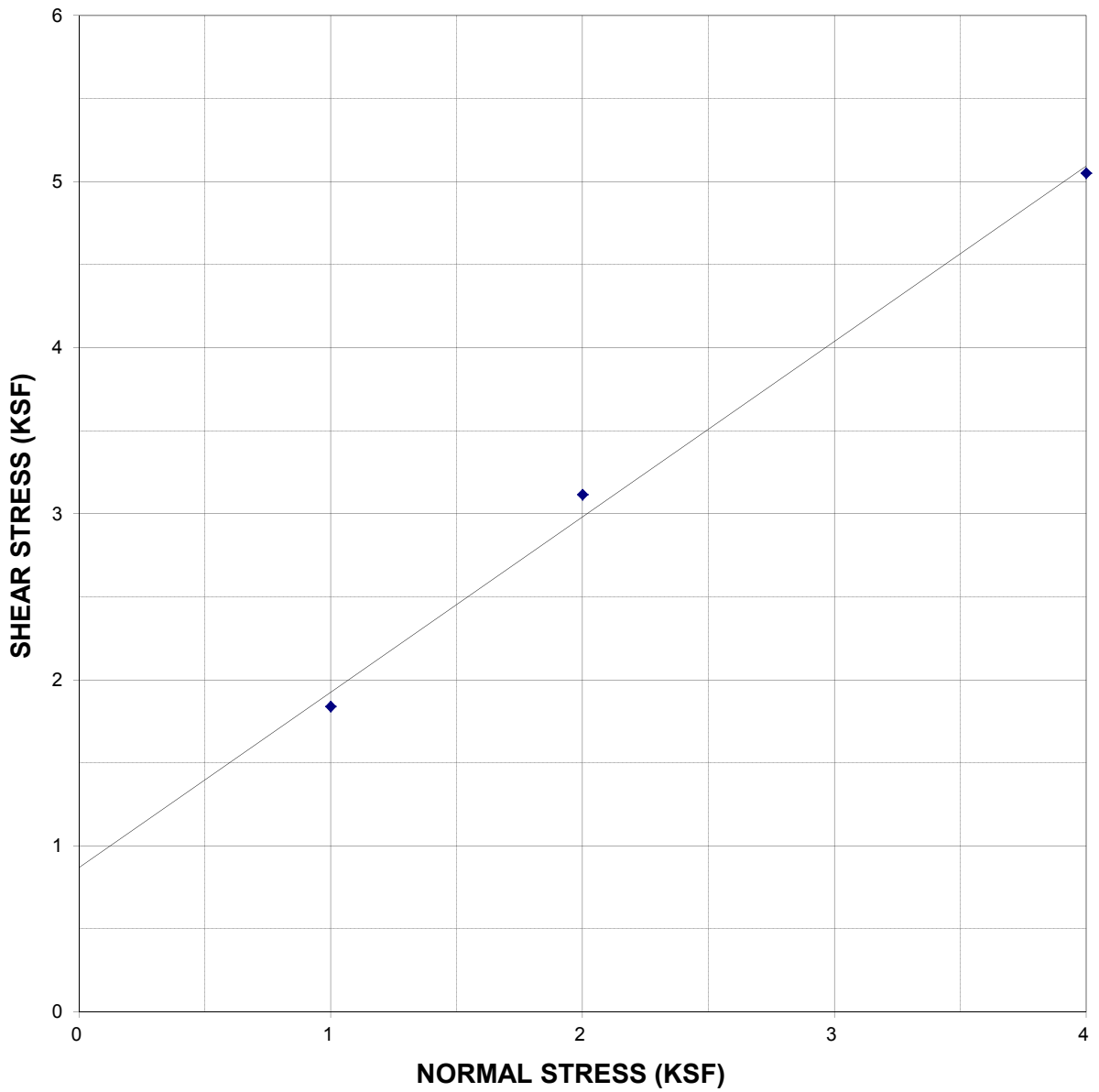
DIRECT SHEAR TEST RESULTS (ASTM D 3080-11)

JOB:	WEST LA DISTRICT YARD
DATE:	8/28/2017
SAMPLE:	B-5 @ 20.0'
TEST BY:	GP
SOIL TYPE:	SC/SC-SM, CLAYEY SAND WITH GRAVEL
DRY UNIT WT.*:	119.1 pcf
NOTE:	UNDISTURBED SAMPLE

NORMAL STRESS (ksf)	MAX SHEAR FORCE (lb)	MAX SHEAR STRESS (ksf)
1	82.9	1.84
2	140.4	3.11
4	227.7	5.05

FRICTION ANGLE = 46.6 DEGREES
COHESION[1] = 0.87 KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



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LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

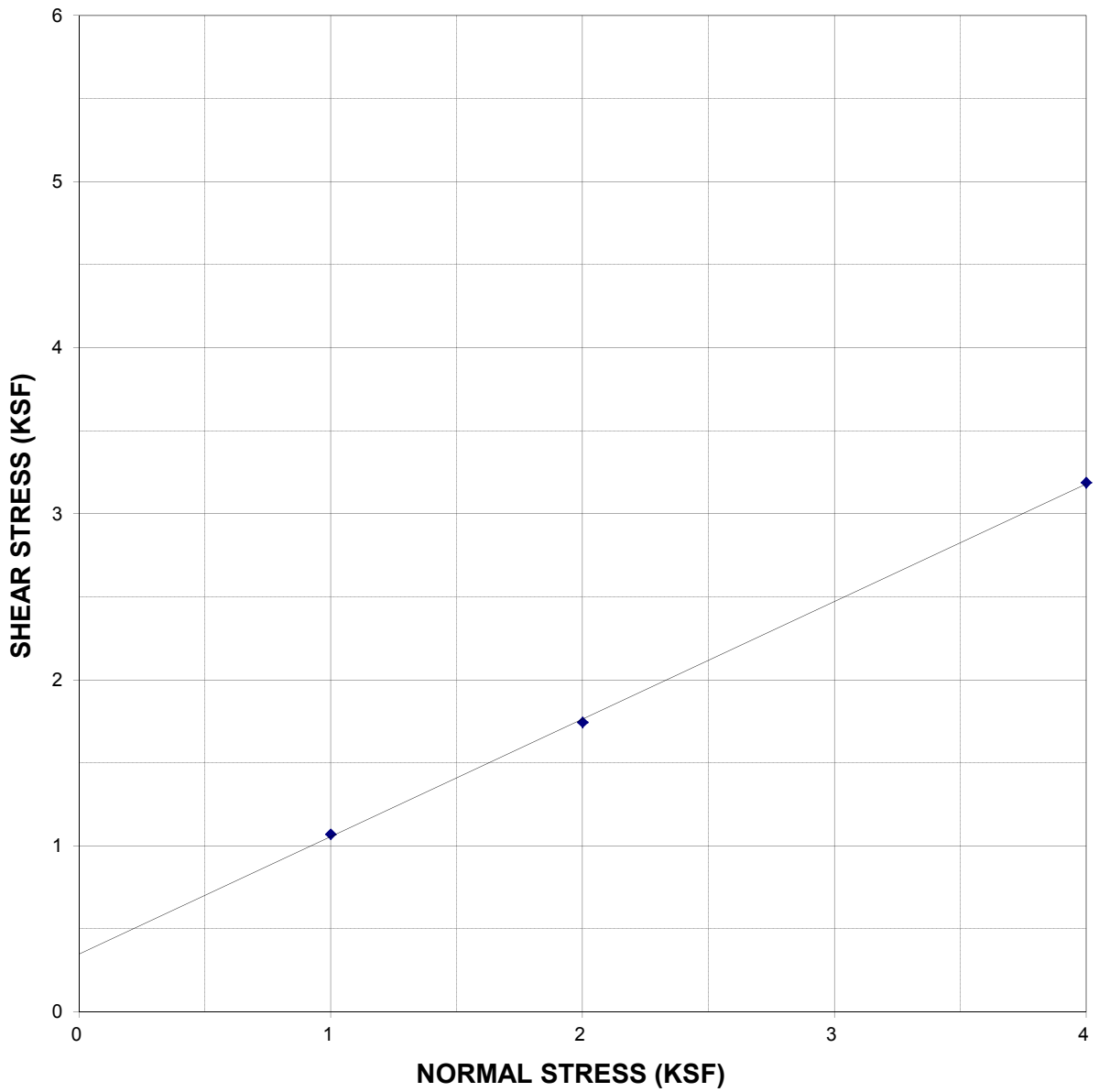
DIRECT SHEAR TEST RESULTS (ASTM D 3080-11)

JOB:	WEST LA DISTRICT YARD
DATE:	8/28/2017
SAMPLE:	B-5 @ 30.0'
TEST BY:	JML
SOIL TYPE:	CL, LEAN CLAY W/SAND
DRY UNIT WT.*:	104.5 pcf
NOTE:	UNDISTURBED SAMPLE

NORMAL STRESS (ksf)	MAX SHEAR FORCE (lb)	MAX SHEAR STRESS (ksf)
1	48.3	1.07
2	78.7	1.75
4	143.7	3.19

FRICTION ANGLE = 35.3 DEGREES
COHESION[1] = 0.35 KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



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LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

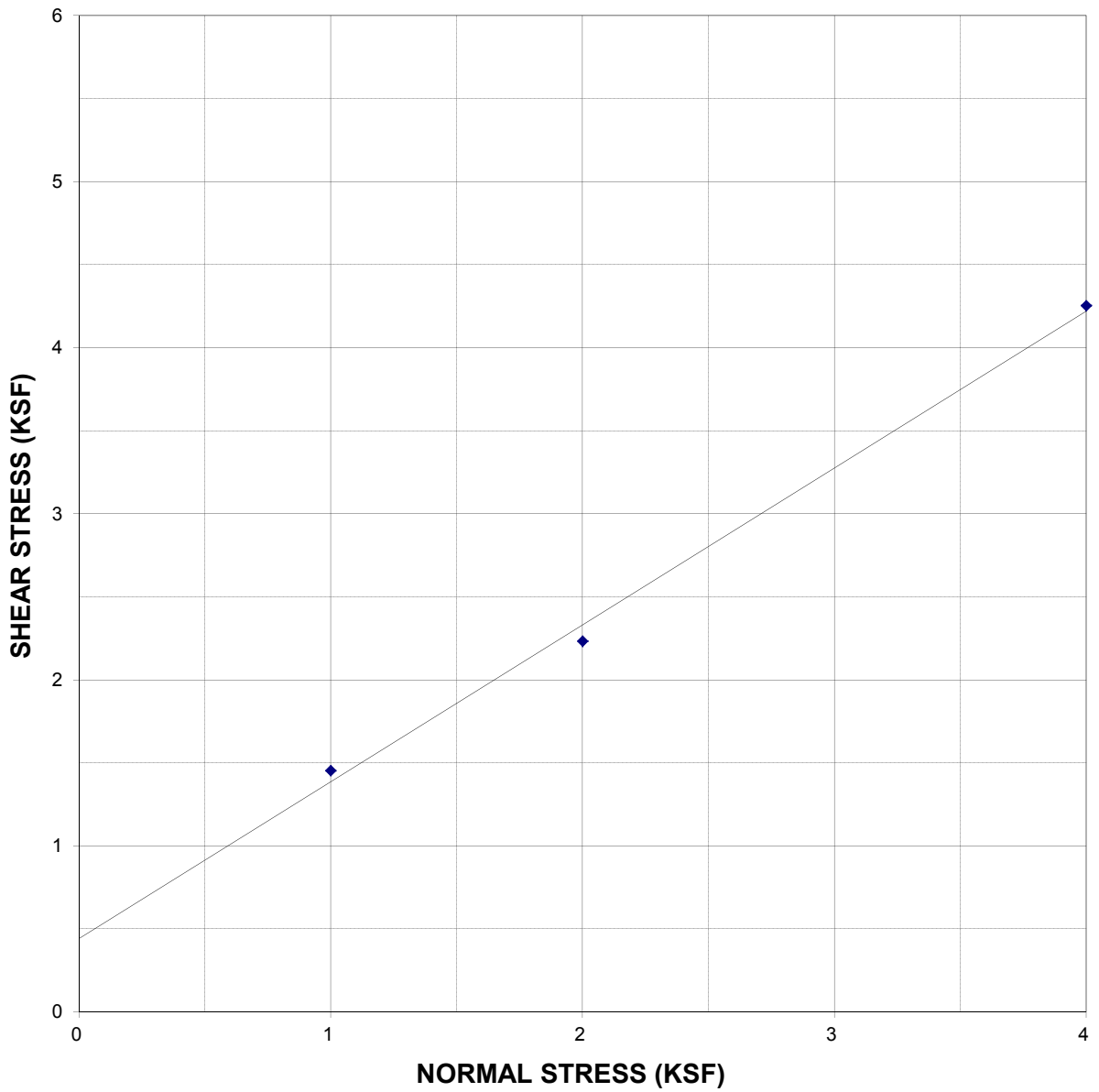
DIRECT SHEAR TEST RESULTS (ASTM D 3080-11)

JOB:	WEST LA DISTRICT YARD
DATE:	8/28/2017
SAMPLE:	B-5 @ 50.0'
TEST BY:	JML
SOIL TYPE:	SC-SM, SILTY, CLAYEY SAND WITH GRAVEL
DRY UNIT WT.*:	116.4 pcf
NOTE:	UNDISTURBED SAMPLE

NORMAL STRESS (ksf)	MAX SHEAR FORCE (lb)	MAX SHEAR STRESS (ksf)
1	65.5	1.45
2	100.7	2.23
4	191.7	4.25

FRICTION ANGLE = 43.4 DEGREES
COHESION[1] = 0.44 KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



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LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

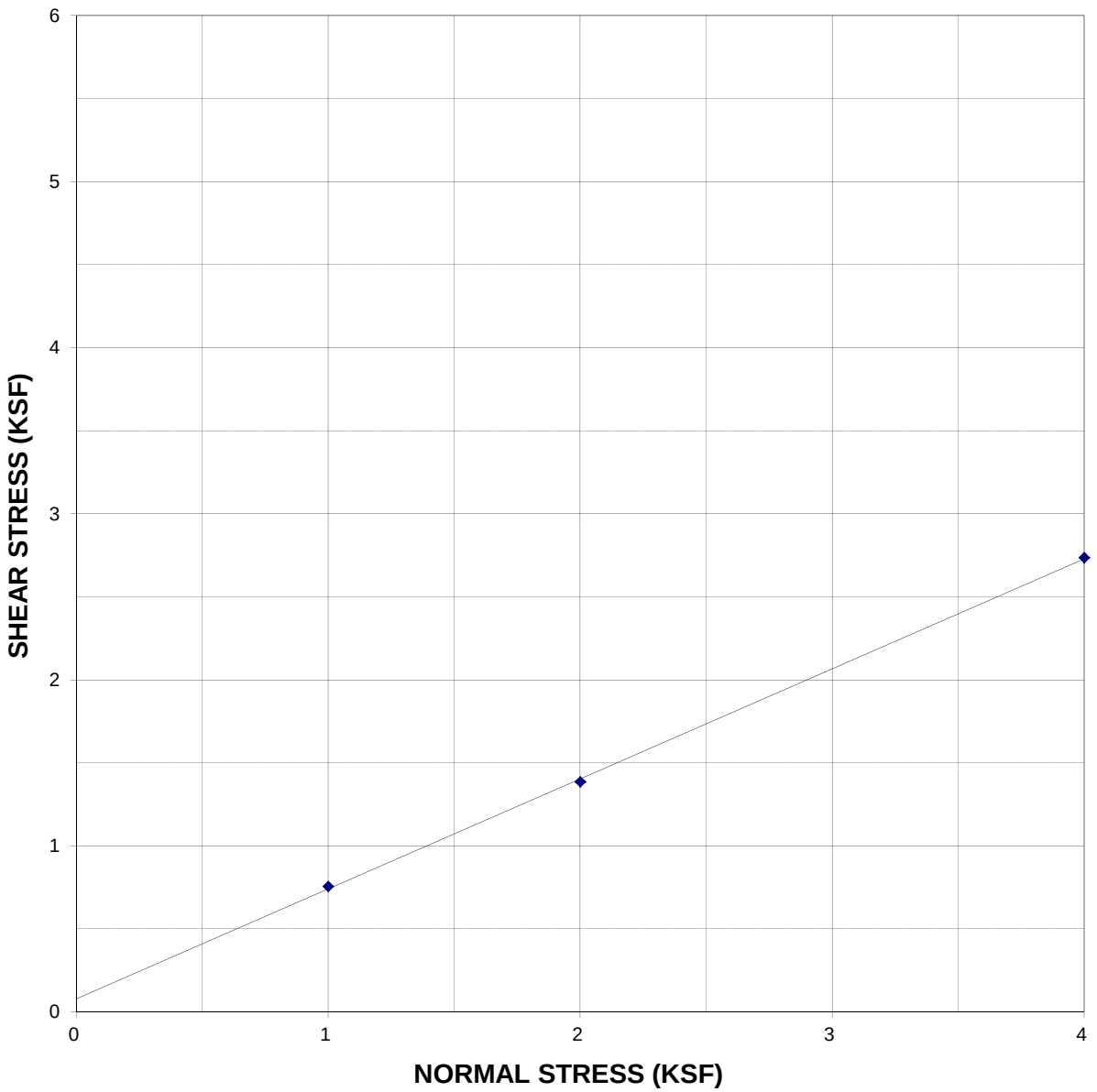
DIRECT SHEAR TEST RESULTS (ASTM D 3080-11)

JOB:	WEST LA DISTRICT YARD
DATE:	8/28/2017
SAMPLE:	B-6 @ 5.0'
TEST BY:	GP
SOIL TYPE:	CL, LEAN CLAY W/SAND
DRY UNIT WT.*:	101.0 pcf
NOTE:	UNDISTURBED SAMPLE

NORMAL STRESS (ksf)	MAX SHEAR FORCE (lb)	MAX SHEAR STRESS (ksf)
1	34.1	0.76
2	62.5	1.39
4	123.3	2.74

FRICTION ANGLE = 33.5 DEGREES
COHESION[1] = 0.08 KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



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LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

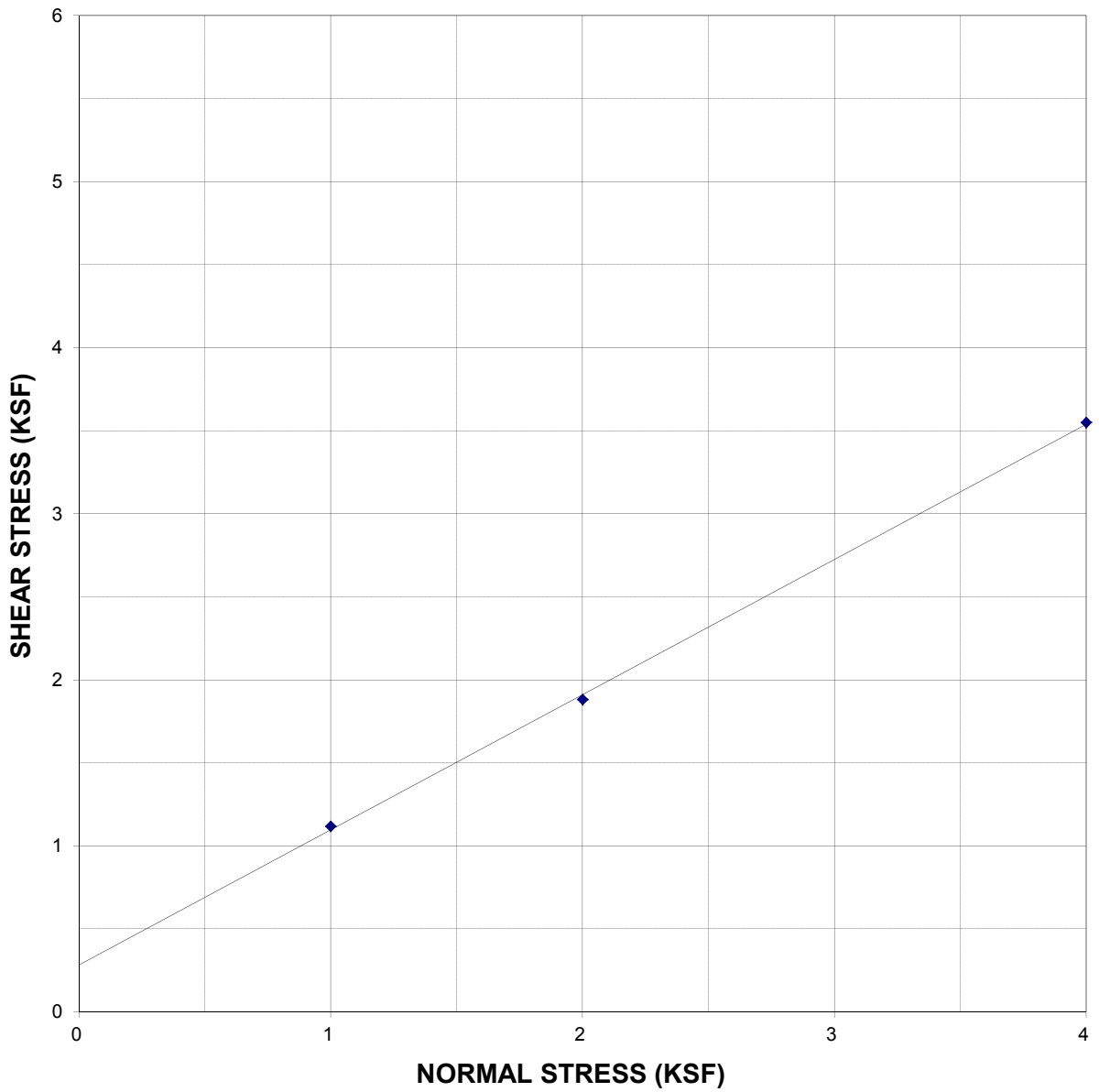
DIRECT SHEAR TEST RESULTS (ASTM D 3080-11)

JOB:	WEST LA DISTRICT YARD
DATE:	8/28/2017
SAMPLE:	B-6 @ 15.0'
TEST BY:	GP
SOIL TYPE:	GC, CLAYEY GRAVEL WITH SAND
DRY UNIT WT.*:	117.8 pcf
NOTE:	UNDISTURBED SAMPLE
	GRAVEL PRESENT IN SAMPLE.

NORMAL STRESS (ksf)	MAX SHEAR FORCE (lb)	MAX SHEAR STRESS (ksf)
1	50.4	1.12
2	84.8	1.88
4	160.0	3.55

FRICTION ANGLE = 39.1 DEGREES
COHESION[1] = 0.28 KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



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LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING & TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

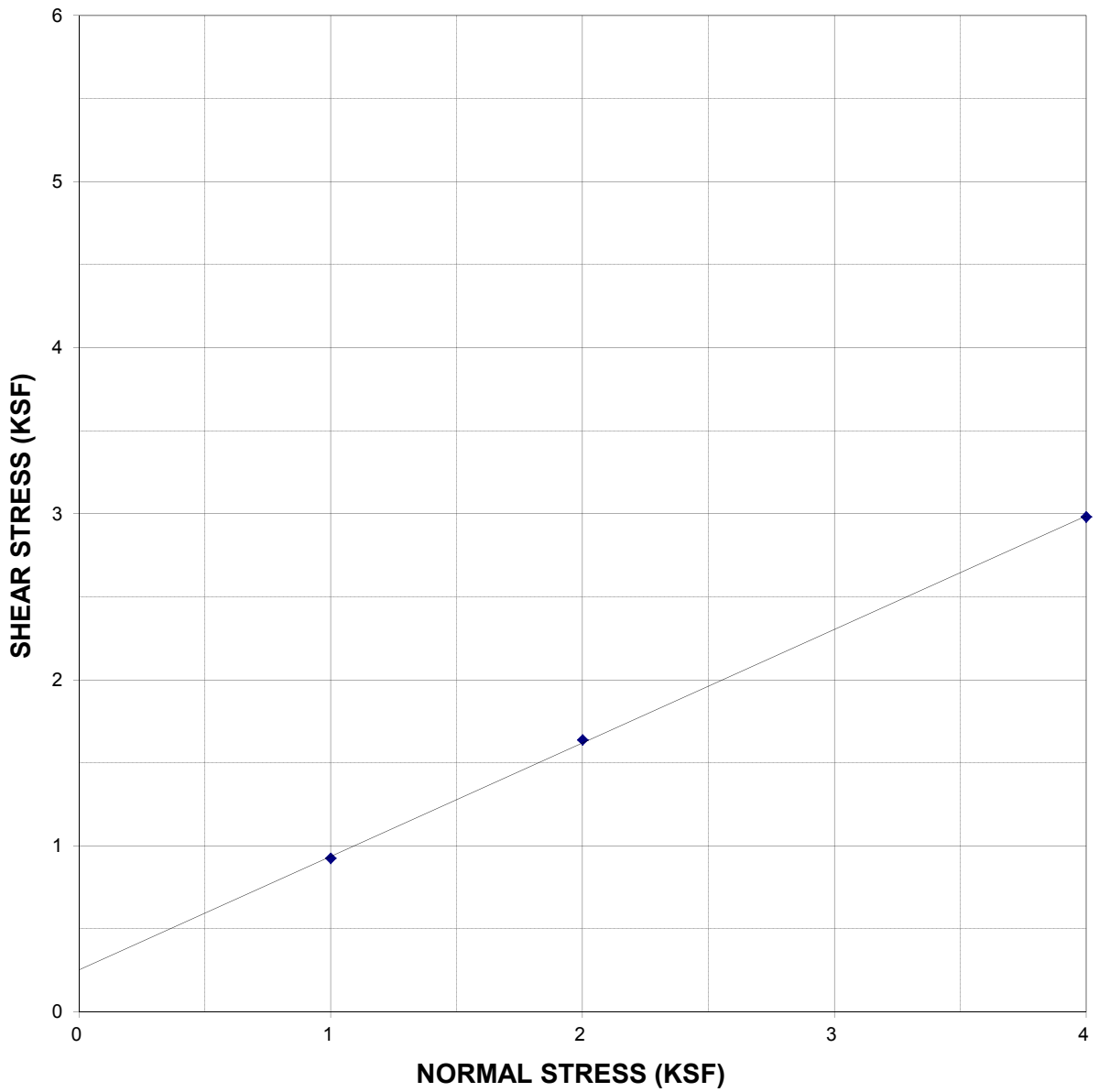
DIRECT SHEAR TEST RESULTS (ASTM D 3080-11)

JOB:	WEST LA DISTRICT YARD
DATE:	8/28/2017
SAMPLE:	B-7 @ 2.5'
TEST BY:	JML
SOIL TYPE:	CL, LEAN CLAY
DRY UNIT WT.*:	86.9 pcf
NOTE:	UNDISTURBED SAMPLE

NORMAL STRESS (ksf)	MAX SHEAR FORCE (lb)	MAX SHEAR STRESS (ksf)
1	41.7	0.93
2	73.9	1.64
4	134.4	2.98

FRICTION ANGLE = 34.3 DEGREES
COHESION[1] = 0.25 KSF

MAXIMUM SHEAR STRESS vs NORMAL STRESS



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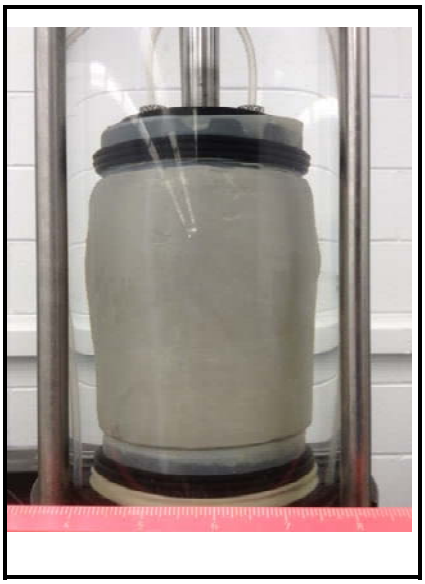
LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING AND TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

ASTM D 2850-03a - UNCONSOLIDATED-UNDRAINED TRIAXIAL COMPRESSION TEST.

JOB:	WEST LA DISTRICT YARD
SAMPLE LOCATION:	B-2 @ 25.0'
DATE:	8/29/2017
TEST BY:	JML
DESCRIPTION:	CL, LEAN CLAY W/SAND
LIQUID LIMIT:	33
PLASTIC LIMIT:	13
SPECIFIC GRAVITY:	2.74
NOTE:	NONE

FAILURE SKETCH

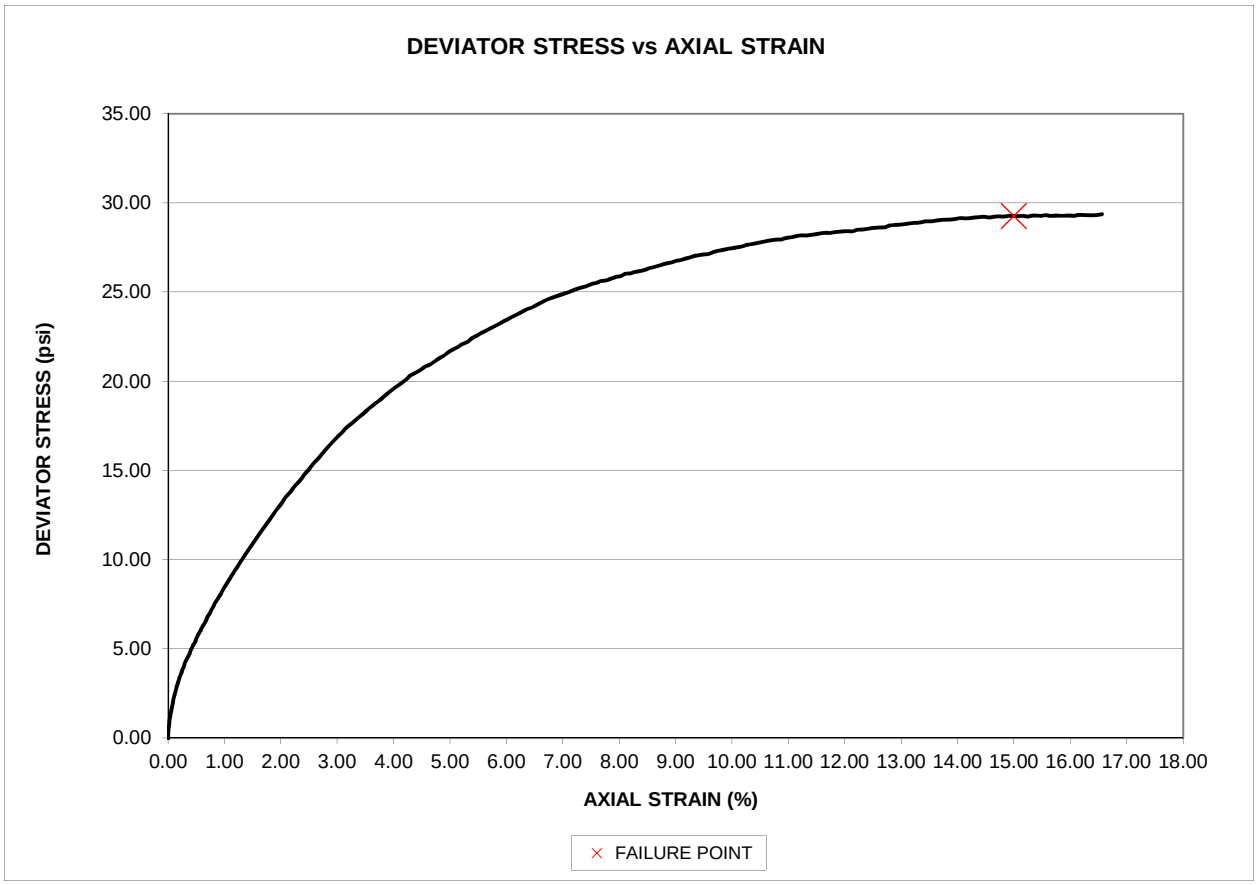


SAMPLE PROPERTIES:

DIAMETER (in.)	2.865
HEIGHT (in.)	5.750
WATER CONTENT (%)	23.1
DRY UNIT WEIGHT (pcf)	100.7
SATURATION (%)	90.5
VOID RATIO	0.6990

TEST PROPERTIES

RATE (% AXIAL STRAIN/MIN.)	1%
CONFINING PRESSURE, ksf.	3.0
AXIAL STRAIN AT FAILURE, %	15.00
MAJOR PRINCIPAL STRESS, σ_1, AT FAILURE, psi.	50.11
MINOR PRINCIPAL STRESS, σ_3 AT FAILURE, psi.	20.83
DEVIATOR STRESS (σ_1 - σ_3) AT FAILURE, psi.*	29.27



* Rubber membrane correction per ASTM D2850-03 used, Young's modulus = 198.81 lb./in., 0.012 in. thick membrane.

LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER ENGINEERING AND TECHNICAL SERVICES DIVISION
SOILS AND MATERIALS TESTING SQUAD

ASTM D 2850-03a - UNCONSOLIDATED-UNDRAINED TRIAXIAL COMPRESSION TEST.

JOB: WEST LA DISTRICT YARD
SAMPLE LOC. : B-2 @ 25.0'
DATE: 8/29/2017
TEST BY: JML
DESCRIPTION: CL, LEAN CLAY W/SAND
CONFINING PRES. 20.83 psi (3.00 ksf)
SPECIFIC GRAVITY: 2.74
NOTE: NONE

LIQUID LIMIT:	33
PLASTIC LIMIT:	13

DENSITY OF WATER=	1	gm/cc
SAMPLE VOL.=	607.45	cc
DRY WT.=	979.61	gm
Vs =	357.52	cc
Vv=	249.92	cc
Void Ratio, e =	0.6990	
SATURATION=	0.905	

SAMPLE PROPERTIES:

WEIGHT (GM)		DIAMETER (IN.)	HEIGHT (IN.)
1205.9	1	2.865	5.751
	2	2.864	5.748
	3	2.866	5.751
	AVE.:	2.865	5.750

WATER CONTENT, WC	
TARE (gm) :	87.7
WET (gm) :	1293.6
DRY (gm) :	1067.1
W.C (%)	23.1

RATE OF AXIAL STRAIN/MIN.	1	1% OR 0.3%

MEMBRANE STIFFNESS FACTOR (LB./IN.)	198.81
INITIAL DISPLACEMENT AT T=0, (IN.)	0.01654
AXIAL STRAIN AT FAILURE, %	14.9958
MAJOR PRINCIPAL STRESS, σ_1, AT FAILURE*	50.11
MINOR PRINCIPAL STRESS, σ_3 AT FAILURE*	20.83
DEVIATOR STRESS AT FAILURE, psi	29.27

INITIAL VALUES

HEIGHT, H_o (IN.)	5.720
AREA, A_o (SQ. IN.)	6.4467
DRY UNIT WT. (PCF)	100.7
SATURATION (%)	90.5
VOID RATIO	0.6990

Vo=	36.878	CU. IN.
Vc=	36.802	CU. IN.
Hc=	5.691	IN.
Ac=	6.467	SQ. IN.

SAMPLE 1

TIME (MIN.)	LOAD (LB.)	DISPL. (IN.)	CELL PRESS. (psi)	AXIAL STRAIN (%)	AREA CORR. (cu. In.)	DEVIATOR LOAD (lb.)	MEMBRANE CORR. (psi) (per ASTM)	DEVIATOR STRESS (psi)	$\sigma 1$ (psi)
0.000	4.55	0.04614	20.82	0.0000	6.4669	-0.24	0.00	-0.04	20.78
0.017	8.03	0.04675	20.79	0.0106	6.4676	3.25	0.00	0.50	21.29
0.035	11.38	0.04770	20.79	0.0272	6.4686	6.59	0.00	1.02	21.81
0.053	13.92	0.04891	20.77	0.0484	6.4700	9.14	0.00	1.41	22.18
0.071	16.06	0.05004	20.82	0.0681	6.4713	11.27	0.00	1.74	22.56
0.084	17.27	0.05086	20.79	0.0825	6.4722	12.48	0.00	1.93	22.71
0.101	19.00	0.05151	20.79	0.0938	6.4729	14.22	0.00	2.19	22.98
0.119	20.48	0.05268	20.81	0.1143	6.4743	15.69	0.00	2.42	23.23
0.137	22.08	0.05385	20.79	0.1347	6.4756	17.30	0.00	2.67	23.46
0.150	23.02	0.05450	20.75	0.1460	6.4763	18.25	0.00	2.81	23.56
0.168	24.36	0.05562	20.81	0.1657	6.4776	19.57	0.01	3.02	23.83
0.185	25.56	0.05670	20.79	0.1846	6.4788	20.78	0.01	3.20	23.99
0.203	26.77	0.05770	20.78	0.2020	6.4800	21.99	0.01	3.39	24.16
0.221	27.84	0.05887	20.82	0.2224	6.4813	23.05	0.01	3.55	24.37
0.234	28.51	0.05960	20.79	0.2353	6.4821	23.72	0.01	3.65	24.45
0.252	29.85	0.06077	20.79	0.2558	6.4835	25.06	0.01	3.86	24.65
0.270	30.65	0.06185	20.82	0.2747	6.4847	25.86	0.01	3.98	24.80
0.287	31.59	0.06263	20.81	0.2883	6.4856	26.80	0.01	4.12	24.93
0.301	32.25	0.06311	20.81	0.2966	6.4861	27.47	0.01	4.23	25.04
0.318	33.19	0.06462	20.78	0.3231	6.4878	28.41	0.01	4.37	25.15
0.336	33.86	0.06545	20.82	0.3375	6.4888	29.07	0.01	4.47	25.29
0.367	35.47	0.06774	20.81	0.3776	6.4914	30.68	0.01	4.71	25.52
0.402	36.94	0.06921	20.80	0.4033	6.4931	32.15	0.01	4.94	25.74
0.438	38.68	0.07151	20.79	0.4434	6.4957	33.90	0.01	5.20	26.00
0.469	39.88	0.07345	20.80	0.4774	6.4979	35.10	0.02	5.39	26.19
0.505	41.49	0.07519	20.79	0.5077	6.4999	36.71	0.02	5.63	26.42
0.535	42.83	0.07696	20.79	0.5388	6.5019	38.04	0.02	5.83	26.63
0.571	44.17	0.07921	20.79	0.5781	6.5045	39.38	0.02	6.04	26.83
0.602	45.50	0.08081	20.81	0.6061	6.5063	40.72	0.02	6.24	27.05
0.637	46.84	0.08319	20.80	0.6477	6.5090	42.06	0.02	6.44	27.24
0.668	48.05	0.08475	20.81	0.6750	6.5108	43.26	0.02	6.62	27.43
0.703	49.39	0.08635	20.80	0.7029	6.5127	44.60	0.02	6.83	27.63
0.734	50.59	0.08847	20.79	0.7400	6.5151	45.81	0.02	7.01	27.80
0.770	51.79	0.09008	20.78	0.7680	6.5169	47.02	0.03	7.19	27.97
0.801	53.00	0.09198	20.82	0.8013	6.5191	48.21	0.03	7.37	28.19
0.836	54.34	0.09367	20.79	0.8308	6.5210	49.55	0.03	7.57	28.36
0.867	55.41	0.09557	20.79	0.8641	6.5232	50.63	0.03	7.73	28.52
0.903	56.75	0.09795	20.82	0.9057	6.5260	51.96	0.03	7.93	28.75
0.934	57.82	0.09973	20.82	0.9368	6.5280	53.03	0.03	8.09	28.91
0.969	59.16	0.10142	20.79	0.9663	6.5300	54.37	0.03	8.29	29.09

TIME (MIN.)	LOAD (LB.)	DISPL. (IN.)	CELL PRESS. (psi)	AXIAL STRAIN (%)	AREA CORR. (cu. In.)	DEVIATOR LOAD (lb.)	MEMBRANE CORR. (psi) (per ASTM)	DEVIATOR STRESS (psi)	σ_1 (psi)
1.001	60.23	0.10319	20.83	0.9973	6.5320	55.44	0.03	8.45	29.28
1.085	63.17	0.10839	20.79	1.0882	6.5380	58.39	0.04	8.89	29.69
1.169	65.98	0.11280	20.80	1.1653	6.5431	61.20	0.04	9.31	30.12
1.253	68.79	0.11804	20.82	1.2569	6.5492	64.00	0.04	9.73	30.55
1.337	71.60	0.12258	20.83	1.3362	6.5545	66.81	0.04	10.15	30.98
1.421	74.41	0.12769	20.83	1.4256	6.5604	69.62	0.05	10.57	31.39
1.501	76.96	0.13245	20.83	1.5088	6.5659	72.16	0.05	10.94	31.77
1.585	79.50	0.13717	20.83	1.5913	6.5714	74.71	0.05	11.32	32.15
1.669	82.04	0.14184	20.83	1.6729	6.5769	77.25	0.06	11.69	32.52
1.754	84.58	0.14678	20.84	1.7593	6.5827	79.79	0.06	12.06	32.91
1.837	87.13	0.15163	20.82	1.8441	6.5884	82.34	0.06	12.44	33.25
1.917	89.54	0.15583	20.86	1.9175	6.5933	84.74	0.06	12.79	33.65
2.002	91.81	0.16080	20.87	2.0044	6.5991	87.01	0.07	13.12	33.99
2.086	94.22	0.16487	20.87	2.0755	6.6039	89.42	0.07	13.47	34.34
2.169	96.49	0.17011	20.86	2.1671	6.6101	91.70	0.07	13.80	34.66
2.254	98.64	0.17431	20.86	2.2405	6.6151	93.84	0.07	14.11	34.97
2.334	100.91	0.17994	20.87	2.3390	6.6218	96.11	0.08	14.44	35.30
2.418	103.05	0.18405	20.85	2.4108	6.6266	98.25	0.08	14.75	35.60
2.502	105.33	0.18907	20.83	2.4986	6.6326	100.54	0.08	15.08	35.91
2.586	107.74	0.19405	20.88	2.5856	6.6385	102.94	0.08	15.42	36.30
2.670	109.61	0.19863	20.84	2.6657	6.6440	104.82	0.09	15.69	36.53
2.755	111.75	0.20331	20.87	2.7475	6.6496	106.95	0.09	15.99	36.86
2.834	113.76	0.20790	20.85	2.8277	6.6551	108.96	0.09	16.28	37.13
2.918	115.77	0.21236	20.85	2.9057	6.6604	110.97	0.10	16.57	37.42
3.003	117.77	0.21720	20.85	2.9903	6.6662	112.97	0.10	16.85	37.70
3.087	119.65	0.22222	20.86	3.0781	6.6722	114.85	0.10	17.11	37.97
3.170	121.66	0.22690	20.82	3.1599	6.6779	116.87	0.10	17.40	38.22
3.251	123.26	0.23162	20.87	3.2424	6.6836	118.46	0.11	17.62	38.49
3.335	124.73	0.23616	20.87	3.3218	6.6891	119.93	0.11	17.82	38.69
3.419	126.47	0.24118	20.85	3.4095	6.6951	121.67	0.11	18.06	38.91
3.503	128.08	0.24616	20.84	3.4966	6.7012	123.29	0.11	18.28	39.13
3.587	129.82	0.25079	20.85	3.5775	6.7068	125.02	0.12	18.52	39.37
3.671	131.43	0.25577	20.85	3.6646	6.7129	126.63	0.12	18.74	39.59
3.751	132.76	0.26036	20.87	3.7448	6.7185	127.96	0.12	18.92	39.79
3.835	134.37	0.26512	20.86	3.8280	6.7243	129.57	0.12	19.14	40.00
3.919	135.98	0.26997	20.86	3.9128	6.7302	131.18	0.13	19.36	40.22
4.004	137.45	0.27395	20.85	3.9824	6.7351	132.65	0.13	19.57	40.42
4.088	138.79	0.27893	20.83	4.0694	6.7412	134.00	0.13	19.74	40.58
4.167	140.12	0.28334	20.86	4.1465	6.7466	135.32	0.14	19.92	40.78
4.252	141.60	0.28797	20.87	4.2275	6.7523	136.80	0.14	20.12	40.99
4.336	143.07	0.29161	20.85	4.2911	6.7568	138.27	0.14	20.32	41.17
4.420	144.27	0.29689	20.84	4.3834	6.7633	139.48	0.14	20.48	41.32
4.504	145.48	0.30209	20.84	4.4743	6.7698	140.69	0.15	20.64	41.48
4.584	146.82	0.30633	20.85	4.5484	6.7750	142.02	0.15	20.82	41.67
4.668	147.75	0.31139	20.83	4.6369	6.7813	142.96	0.15	20.93	41.76
4.752	149.22	0.31667	20.83	4.7292	6.7879	144.43	0.15	21.12	41.96
4.836	150.56	0.32113	20.86	4.8072	6.7934	145.76	0.16	21.30	42.16
4.920	151.63	0.32585	20.87	4.8897	6.7993	146.83	0.16	21.44	42.30
5.005	153.11	0.33048	20.86	4.9706	6.8051	148.31	0.16	21.63	42.49
5.084	154.18	0.33446	20.86	5.0402	6.8101	149.38	0.16	21.77	42.63
5.168	155.38	0.33987	20.86	5.1348	6.8169	150.58	0.17	21.92	42.78
5.253	156.59	0.34433	20.85	5.2127	6.8225	151.79	0.17	22.08	42.93
5.337	157.66	0.34987	20.85	5.3096	6.8295	152.86	0.17	22.21	43.06
5.421	159.13	0.35398	20.85	5.3814	6.8347	154.33	0.17	22.41	43.26
5.501	160.20	0.35857	20.84	5.4617	6.8405	155.41	0.18	22.54	43.38
5.585	161.27	0.36260	20.85	5.5321	6.8456	156.47	0.18	22.68	43.53
5.669	162.47	0.36822	20.83	5.6303	6.8527	157.68	0.18	22.83	43.66
5.753	163.55	0.37255	20.87	5.7060	6.8582	158.75	0.18	22.96	43.83
5.837	164.62	0.37766	20.85	5.7954	6.8647	159.82	0.19	23.09	43.94
5.921	165.69	0.38216	20.86	5.8740	6.8704	160.89	0.19	23.23	44.09
6.001	166.76	0.38640	20.86	5.9482	6.8759	161.96	0.19	23.36	44.22
6.085	167.96	0.39181	20.84	6.0427	6.8828	163.17	0.19	23.51	44.35
6.169	169.03	0.39567	20.85	6.1102	6.8877	164.23	0.20	23.65	44.50
6.254	170.10	0.40116	20.86	6.2062	6.8948	165.30	0.20	23.78	44.63
6.338	171.31	0.40597	20.85	6.2903	6.9010	166.51	0.20	23.93	44.78
6.417	172.38	0.41077	20.84	6.3742	6.9071	167.59	0.21	24.06	44.90
6.502	173.18	0.41566	20.83	6.4597	6.9135	168.39	0.21	24.15	44.98
6.586	174.39	0.42021	20.83	6.5392	6.9193	169.60	0.21	24.30	45.13
6.670	175.46	0.42536	20.86	6.6292	6.9260	170.66	0.21	24.43	45.29
6.754	176.66	0.43038	20.85	6.7170	6.9325	171.86	0.22	24.58	45.43
6.834	177.60	0.43532	20.86	6.8033	6.9390	172.80	0.22	24.68	45.54
6.918	178.40	0.44025	20.84	6.8895	6.9454	173.61	0.22	24.77	45.62
7.002	179.34	0.44549	20.85	6.9811	6.9522	174.54	0.22	24.88	45.73
7.086	180.01	0.44999	20.86	7.0598	6.9581	175.21	0.23	24.95	45.81
7.170	180.94	0.45527	20.87	7.1521	6.9650	176.14	0.23	25.06	45.93
7.255	182.01	0.46055	20.84	7.2444	6.9719	177.22	0.23	25.19	46.03
7.334	182.68	0.46536	20.85	7.3285	6.9783	177.88	0.23	25.26	46.11
7.418	183.49	0.47072	20.84	7.4222	6.9853	178.70	0.24	25.34	46.19

TIME (MIN.)	LOAD (LB.)	DISPL. (IN.)	CELL PRESS. (psi)	AXIAL STRAIN (%)	AREA CORR. (cu. In.)	DEVIATOR LOAD (lb.)	MEMBRANE CORR. (psi) (per ASTM)	DEVIATOR STRESS (psi)	$\sigma 1$ (psi)
7.503	184.42	0.47518	20.83	7.5001	6.9912	179.63	0.24	25.45	46.29
7.587	185.09	0.48042	20.85	7.5918	6.9982	180.29	0.24	25.52	46.37
7.671	186.03	0.48535	20.87	7.6779	7.0047	181.23	0.25	25.63	46.49
7.751	186.43	0.49042	20.86	7.7666	7.0114	181.63	0.25	25.66	46.52
7.835	187.37	0.49561	20.88	7.8573	7.0183	182.57	0.25	25.76	46.64
7.919	188.17	0.50016	20.85	7.9368	7.0244	183.37	0.25	25.85	46.70
8.003	188.71	0.50531	20.85	8.0269	7.0313	183.91	0.26	25.90	46.75
8.087	189.78	0.50968	20.86	8.1033	7.0371	184.98	0.26	26.03	46.89
8.171	190.18	0.51522	20.85	8.2001	7.0445	185.38	0.26	26.05	46.90
8.251	190.85	0.51916	20.84	8.2690	7.0498	186.06	0.26	26.13	46.97
8.335	191.38	0.52435	20.86	8.3597	7.0568	186.58	0.27	26.17	47.03
8.419	192.05	0.52933	20.86	8.4468	7.0635	187.25	0.27	26.24	47.10
8.504	192.99	0.53414	20.86	8.5308	7.0700	188.19	0.27	26.35	47.21
8.588	193.52	0.53851	20.85	8.6072	7.0759	188.72	0.27	26.40	47.25
8.667	194.19	0.54279	20.85	8.6821	7.0817	189.39	0.28	26.47	47.32
8.752	195.00	0.54768	20.86	8.7675	7.0883	190.20	0.28	26.55	47.41
8.836	195.67	0.55232	20.88	8.8487	7.0947	190.87	0.28	26.62	47.50
8.920	196.20	0.55725	20.83	8.9348	7.1014	191.41	0.28	26.67	47.50
9.004	197.00	0.56149	20.84	9.0090	7.1072	192.21	0.29	26.76	47.60
9.084	197.54	0.56643	20.85	9.0953	7.1139	192.74	0.29	26.81	47.66
9.168	198.21	0.57049	20.84	9.1663	7.1195	193.42	0.29	26.88	47.72
9.252	198.88	0.57547	20.86	9.2534	7.1263	194.08	0.29	26.94	47.80
9.336	199.68	0.57967	20.86	9.3268	7.1321	194.88	0.30	27.03	47.89
9.420	200.22	0.58443	20.87	9.4100	7.1386	195.42	0.30	27.08	47.94
9.505	200.62	0.58867	20.84	9.4841	7.1445	195.83	0.30	27.11	47.95
9.584	201.02	0.59383	20.85	9.5743	7.1516	196.22	0.30	27.14	47.99
9.668	201.96	0.59872	20.85	9.6598	7.1584	197.16	0.31	27.24	48.09
9.753	202.76	0.60378	20.87	9.7482	7.1654	197.96	0.31	27.32	48.19
9.837	203.29	0.60850	20.85	9.8308	7.1719	198.49	0.31	27.37	48.22
9.921	203.96	0.61335	20.85	9.9155	7.1787	199.16	0.31	27.43	48.28
10.001	204.36	0.61819	20.84	10.0002	7.1854	199.57	0.32	27.46	48.30
10.085	205.03	0.62339	20.83	10.0911	7.1927	200.24	0.32	27.52	48.35
10.169	205.57	0.62845	20.84	10.1795	7.1998	200.78	0.32	27.57	48.41
10.253	206.37	0.63295	20.84	10.2582	7.2061	201.58	0.32	27.65	48.49
10.337	206.91	0.63832	20.87	10.3521	7.2136	202.11	0.33	27.69	48.56
10.421	207.58	0.64343	20.87	10.4414	7.2208	202.78	0.33	27.75	48.62
10.501	208.11	0.64771	20.86	10.5162	7.2269	203.31	0.33	27.80	48.66
10.585	208.78	0.65304	20.83	10.6094	7.2344	203.99	0.33	27.86	48.70
10.669	209.32	0.65754	20.84	10.6880	7.2408	204.53	0.34	27.91	48.75
10.754	209.85	0.66330	20.84	10.7887	7.2489	205.06	0.34	27.95	48.79
10.838	210.12	0.66789	20.84	10.8690	7.2555	205.33	0.34	27.96	48.80
10.917	210.92	0.67291	20.83	10.9567	7.2626	206.13	0.34	28.04	48.87
11.002	211.46	0.67784	20.86	11.0429	7.2697	206.66	0.35	28.08	48.94
11.086	211.99	0.68243	20.85	11.1232	7.2762	207.19	0.35	28.13	48.98
11.170	212.66	0.68806	20.83	11.2216	7.2843	207.87	0.35	28.18	49.02
11.254	212.80	0.69282	20.86	11.3048	7.2911	208.00	0.35	28.17	49.03
11.334	213.20	0.69689	20.83	11.3759	7.2970	208.41	0.36	28.20	49.04
11.418	213.60	0.70152	20.86	11.4569	7.3036	208.80	0.36	28.23	49.09
11.502	214.27	0.70689	20.84	11.5507	7.3114	209.48	0.36	28.29	49.13
11.586	214.80	0.71208	20.86	11.6415	7.3189	210.00	0.36	28.33	49.19
11.670	214.94	0.71701	20.85	11.7277	7.3260	210.14	0.37	28.32	49.17
11.755	215.47	0.72199	20.85	11.8147	7.3333	210.67	0.37	28.36	49.21
11.834	215.87	0.72645	20.86	11.8927	7.3398	211.07	0.37	28.39	49.24
11.918	216.28	0.73108	20.85	11.9736	7.3465	211.48	0.37	28.41	49.26
12.003	216.54	0.73541	20.87	12.0493	7.3528	211.74	0.38	28.42	49.29
12.087	216.68	0.74039	20.86	12.1364	7.3601	211.88	0.38	28.41	49.27
12.171	217.48	0.74467	20.85	12.2112	7.3664	212.68	0.38	28.49	49.34
12.251	217.88	0.75008	20.85	12.3058	7.3743	213.08	0.38	28.51	49.36
12.335	218.28	0.75437	20.87	12.3808	7.3807	213.48	0.39	28.54	49.41
12.419	218.95	0.75961	20.87	12.4724	7.3884	214.15	0.39	28.60	49.46
12.503	219.22	0.76393	20.84	12.5479	7.3948	214.43	0.39	28.61	49.45
12.587	219.62	0.76813	20.84	12.6213	7.4010	214.83	0.39	28.63	49.48
12.671	219.89	0.77315	20.84	12.7091	7.4084	215.10	0.39	28.64	49.48
12.751	220.69	0.77705	20.84	12.7772	7.4142	215.90	0.40	28.72	49.56
12.835	221.23	0.78190	20.84	12.8620	7.4214	216.44	0.40	28.76	49.61
12.919	221.50	0.78627	20.84	12.9384	7.4279	216.71	0.40	28.77	49.62
13.004	222.03	0.79177	20.85	13.0346	7.4361	217.23	0.40	28.81	49.66
13.088	222.43	0.79627	20.85	13.1132	7.4429	217.63	0.41	28.83	49.68
13.167	222.97	0.80086	20.84	13.1935	7.4498	218.18	0.41	28.88	49.72
13.252	223.24	0.80527	20.86	13.2706	7.4564	218.44	0.41	28.89	49.74
13.336	223.77	0.81003	20.84	13.3538	7.4635	218.98	0.41	28.93	49.77
13.420	224.31	0.81501	20.86	13.4408	7.4710	219.51	0.42	28.97	49.82
13.504	224.57	0.82021	20.83	13.5317	7.4789	219.78	0.42	28.97	49.80
13.584	225.11	0.82449	20.84	13.6065	7.4854	220.32	0.42	29.01	49.85
13.668	225.64	0.82955	20.86	13.6950	7.4930	220.84	0.42	29.05	49.91
13.752	226.05	0.83497	20.83	13.7898	7.5013	221.26	0.43	29.07	49.90
13.836	226.31	0.83981	20.83	13.8744	7.5086	221.52	0.43	29.07	49.91
13.920	226.71	0.84427	20.86	13.9523	7.5155	221.91	0.43	29.10	49.96

TIME (MIN.)	LOAD (LB.)	DISPL. (IN.)	CELL PRESS. (psi)	AXIAL STRAIN (%)	AREA CORR. (cu. In.)	DEVIATOR LOAD (lb.)	MEMBRANE CORR. (psi) (per ASTM)	DEVIATOR STRESS (psi)	$\sigma 1$ (psi)
14.005	227.38	0.84951	20.83	14.0439	7.5235	222.59	0.43	29.15	49.99
14.084	227.52	0.85427	20.83	14.1271	7.5308	222.73	0.44	29.14	49.97
14.168	227.79	0.85890	20.85	14.2081	7.5379	222.99	0.44	29.15	50.00
14.253	228.32	0.86397	20.85	14.2967	7.5457	223.52	0.44	29.18	50.03
14.337	228.72	0.86899	20.85	14.3845	7.5534	223.92	0.44	29.20	50.05
14.421	229.12	0.87371	20.85	14.4670	7.5607	224.32	0.44	29.22	50.07
14.501	229.12	0.87899	20.83	14.5593	7.5688	224.33	0.45	29.19	50.02
14.585	229.53	0.88280	20.86	14.6259	7.5747	224.73	0.45	29.22	50.08
14.669	230.06	0.88855	20.84	14.7264	7.5837	225.27	0.45	29.25	50.09
14.753	230.19	0.89340	20.83	14.8112	7.5912	225.40	0.45	29.24	50.07
14.837	230.73	0.89855	20.85	14.9012	7.5993	225.93	0.46	29.27	50.12
14.921	231.00	0.90396	20.83	14.9958	7.6077	226.21	0.46	29.27	50.11
15.001	231.13	0.90803	20.86	15.0669	7.6141	226.33	0.46	29.26	50.12
15.085	231.53	0.91314	20.87	15.1563	7.6221	226.73	0.46	29.28	50.15
15.169	231.40	0.91768	20.85	15.2356	7.6292	226.60	0.47	29.24	50.09
15.253	232.07	0.92279	20.85	15.3250	7.6373	227.27	0.47	29.29	50.14
15.337	232.34	0.92729	20.86	15.4036	7.6444	227.54	0.47	29.29	50.15
15.417	232.47	0.93223	20.87	15.4900	7.6522	227.67	0.47	29.28	50.15
15.502	233.01	0.93638	20.87	15.5625	7.6588	228.21	0.48	29.32	50.19
15.585	232.87	0.94132	20.86	15.6489	7.6666	228.07	0.48	29.27	50.13
15.669	233.27	0.94577	20.85	15.7267	7.6737	228.47	0.48	29.29	50.14
15.754	233.41	0.95071	20.85	15.8130	7.6816	228.61	0.48	29.28	50.13
15.833	233.67	0.95525	20.86	15.8924	7.6888	228.87	0.48	29.28	50.14
15.917	234.08	0.96015	20.83	15.9781	7.6966	229.29	0.49	29.30	50.14
16.002	234.21	0.96560	20.85	16.0733	7.7054	229.41	0.49	29.28	50.13
16.086	234.88	0.97027	20.85	16.1550	7.7129	230.08	0.49	29.34	50.19
16.170	235.01	0.97573	20.86	16.2504	7.7217	230.21	0.49	29.32	50.18
16.254	235.15	0.98010	20.85	16.3268	7.7287	230.35	0.50	29.31	50.16
16.334	235.41	0.98469	20.83	16.4071	7.7361	230.62	0.50	29.31	50.15
16.418	235.68	0.98819	20.85	16.4682	7.7418	230.88	0.50	29.32	50.17
16.502	236.35	0.99339	20.84	16.5591	7.7502	231.56	0.50	29.37	50.22
16.586	236.62	0.99798	20.85	16.6394	7.7577	231.82	0.51	29.38	50.23
16.670	237.02	1.00270	20.85	16.7219	7.7654	232.22	0.51	29.40	50.25
16.755	237.42	1.00740	20.83	16.8041	7.7731	232.63	0.51	29.42	50.25
16.834	237.56	1.01210	20.85	16.8862	7.7807	232.76	0.51	29.40	50.25
16.918	237.96	1.01670	20.83	16.9666	7.7883	233.17	0.51	29.42	50.25
17.003	237.96	1.02150	20.84	17.0505	7.7962	233.17	0.52	29.39	50.23
17.087	238.63	1.02680	20.86	17.1432	7.8049	233.83	0.52	29.44	50.30
17.171	238.89	1.03150	20.85	17.2254	7.8126	234.09	0.52	29.44	50.29
17.251	239.30	1.03580	20.86	17.3005	7.8197	234.50	0.52	29.47	50.32
17.335	239.56	1.04100	20.85	17.3914	7.8283	234.76	0.53	29.46	50.31
17.419	239.70	1.04580	20.84	17.4753	7.8363	234.91	0.53	29.45	50.29
17.503	239.70	1.05130	20.83	17.5715	7.8454	234.91	0.53	29.41	50.25
17.587	239.83	1.05630	20.86	17.6589	7.8538	235.03	0.53	29.39	50.25
17.667	240.23	1.06070	20.88	17.7358	7.8611	235.43	0.53	29.41	50.29
17.752	240.77	1.06530	20.87	17.8162	7.8688	235.97	0.54	29.45	50.32
17.835	240.77	1.07100	20.84	17.9159	7.8783	235.98	0.54	29.41	50.25
17.919	241.04	1.07500	20.85	17.9858	7.8851	236.24	0.54	29.42	50.27
18.004	241.17	1.08040	20.85	18.0802	7.8941	236.37	0.54	29.40	50.25
18.083	241.44	1.08500	20.84	18.1606	7.9019	236.65	0.55	29.40	50.24
18.167	241.57	1.08980	20.86	18.2445	7.9100	236.77	0.55	29.38	50.24
18.252	241.70	1.09480	20.87	18.3319	7.9185	236.90	0.55	29.37	50.23
18.336	242.11	1.09930	20.84	18.4106	7.9261	237.32	0.55	29.39	50.23
18.420	242.11	1.10440	20.85	18.4997	7.9348	237.31	0.56	29.35	50.20
18.504	242.37	1.10930	20.87	18.5854	7.9431	237.57	0.56	29.35	50.22
18.584	242.64	1.11330	20.85	18.6553	7.9500	237.84	0.56	29.36	50.21
18.668	242.77	1.11870	20.83	18.7497	7.9592	237.98	0.56	29.34	50.17
18.753	242.77	1.12360	20.87	18.8354	7.9676	237.97	0.56	29.30	50.17
18.836	242.77	1.12830	20.85	18.9175	7.9757	237.97	0.57	29.27	50.12
18.920	243.18	1.13300	20.84	18.9997	7.9838	238.39	0.57	29.29	50.13
19.005	243.44	1.13780	20.85	19.0836	7.9920	238.64	0.57	29.29	50.14
19.084	243.58	1.14220	20.84	19.1605	7.9996	238.79	0.57	29.28	50.12
19.168	243.71	1.14750	20.86	19.2532	8.0088	238.91	0.58	29.26	50.11
19.253	243.98	1.15140	20.85	19.3214	8.0156	239.18	0.58	29.26	50.11
19.337	244.25	1.15690	20.84	19.4175	8.0252	239.46	0.58	29.26	50.10
19.421	244.38	1.16090	20.87	19.4874	8.0321	239.58	0.58	29.25	50.11
19.501	244.92	1.16580	20.88	19.5731	8.0407	240.12	0.58	29.28	50.15
19.585	245.05	1.17070	20.85	19.6588	8.0493	240.25	0.59	29.26	50.11
19.669	245.18	1.17530	20.86	19.7392	8.0573	240.38	0.59	29.25	50.10
19.755	245.72	1.17970	20.88	19.8161	8.0650	240.92	0.59	29.28	50.16
19.835	245.99	1.18410	20.84	19.8930	8.0728	241.20	0.59	29.29	50.13
19.919	246.25	1.18860	20.84	19.9717	8.0807	241.46	0.59	29.29	50.13
19.945	246.25	1.19030	20.84	20.0014	8.0837	241.46	0.59	29.27	50.12

Soil Resistivity Test Report

By the Corrosion Engineering Group of the Water Distribution Division

Date: October 14, 2017
Job Title: West LA District Yard
Work Order No: LCW81 (Power System)
Requested By: Soils & Materials Testing Squad of WETS Division

Introduction: Soil resistivity is an electrical property of moist soil that indicates its ability to resist current flow. Corrosion is an electrochemical process and resistivity is considered the most comprehensive indicator of a soil's corrosivity, or tendency to facilitate corrosion. Generally, lower resistivity values indicate greater corrosivity. Greater corrosivity means more rapid corrosion degradation of metal structures.

Test Date: October 6, 2017
Test Type: Measurement of Soil Resistivity
Reference Test Method: ASTM G 57 – 95a (Reapproved 2001) which is the Standard Test Method for Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method.
Test Equipment: Nilsson Model 400 Soil Resistance Meter with an MC Miller soil box
Test Sample Preparation: Saturated with distilled water

Test Results:

Soil Sample	Soil Resistivity (ohm/cm)	Soil Corrosivity
B1 at 15 to 20 feet	1800	Severe
B2 at 15 to 20 feet	3100	Moderate
B3 at 15 to 20 feet	3500	Moderate
B4 at 15 to 20 feet	2050	Severe
B6 at 0 to 5 feet	1800	Severe
B7 at 0 to 5 feet	1800	Severe

APPENDIX D. USGS DESIGN MAP DETAILED REPORT

USGS Design Maps Detailed Report

ASCE 7-10 Standard (34.03417°N, 118.45915°W)

Site Class D – "Stiff Soil", Risk Category I/II/III

Section 11.4.1 — Mapped Acceleration Parameters

Note: Ground motion values provided below are for the direction of maximum horizontal spectral response acceleration. They have been converted from corresponding geometric mean ground motions computed by the USGS by applying factors of 1.1 (to obtain S_S) and 1.3 (to obtain S_1). Maps in the 2010 ASCE-7 Standard are provided for Site Class B. Adjustments for other Site Classes are made, as needed, in Section 11.4.3.

From Figure 22-1 [1] S_S = 2.116 g

From Figure 22-2 [2] S_1 = 0.784 g

Section 11.4.2 — Site Class

The authority having jurisdiction (not the USGS), site-specific geotechnical data, and/or the default has classified the site as Site Class D, based on the site soil properties in accordance with Chapter 20.

Table 20.3–1 Site Classification

Site Class	$\bar{v}_s$	$\bar{N}$ or $\bar{N}_{ch}$	$\bar{s}_u$
A. Hard Rock	>5,000 ft/s	N/A	N/A
B. Rock	2,500 to 5,000 ft/s	N/A	N/A
C. Very dense soil and soft rock	1,200 to 2,500 ft/s	>50	>2,000 psf
D. Stiff Soil	600 to 1,200 ft/s	15 to 50	1,000 to 2,000 psf
E. Soft clay soil	<600 ft/s	<15	<1,000 psf
	Any profile with more than 10 ft of soil having the characteristics: • Plasticity index PI > 20, • Moisture content w ≥ 40%, and • Undrained shear strength $\bar{s}_u$ < 500 psf		
F. Soils requiring site response analysis in accordance with Section 21.1	See Section 20.3.1		

For SI: 1ft/s = 0.3048 m/s 1lb/ft² = 0.0479 kN/m²

Section 11.4.3 — Site Coefficients and Risk–Targeted Maximum Considered Earthquake (MCE_R) Spectral Response Acceleration Parameters

Table 11.4–1: Site Coefficient F_a

Site Class	Mapped MCE_R Spectral Response Acceleration Parameter at Short Period				
	$S_S \leq 0.25$	$S_S = 0.50$	$S_S = 0.75$	$S_S = 1.00$	$S_S \geq 1.25$
A	0.8	0.8	0.8	0.8	0.8
B	1.0	1.0	1.0	1.0	1.0
C	1.2	1.2	1.1	1.0	1.0
D	1.6	1.4	1.2	1.1	1.0
E	2.5	1.7	1.2	0.9	0.9
F	See Section 11.4.7 of ASCE 7				

Note: Use straight–line interpolation for intermediate values of S_S

For Site Class = D and S_S = 2.116 g, F_a = 1.000

Table 11.4–2: Site Coefficient F_v

Site Class	Mapped MCE_R Spectral Response Acceleration Parameter at 1–s Period				
	$S_1 \leq 0.10$	$S_1 = 0.20$	$S_1 = 0.30$	$S_1 = 0.40$	$S_1 \geq 0.50$
A	0.8	0.8	0.8	0.8	0.8
B	1.0	1.0	1.0	1.0	1.0
C	1.7	1.6	1.5	1.4	1.3
D	2.4	2.0	1.8	1.6	1.5
E	3.5	3.2	2.8	2.4	2.4
F	See Section 11.4.7 of ASCE 7				

Note: Use straight–line interpolation for intermediate values of S_1

For Site Class = D and S_1 = 0.784 g, F_v = 1.500

Equation (11.4–1): $S_{MS} = F_a S_S = 1.000 \times 2.116 = 2.116$ g

---

Equation (11.4–2): $S_{M1} = F_v S_1 = 1.500 \times 0.784 = 1.176$ g

---

Section 11.4.4 — Design Spectral Acceleration Parameters

Equation (11.4–3): $S_{DS} = \frac{2}{3} S_{MS} = \frac{2}{3} \times 2.116 = 1.410$ g

---

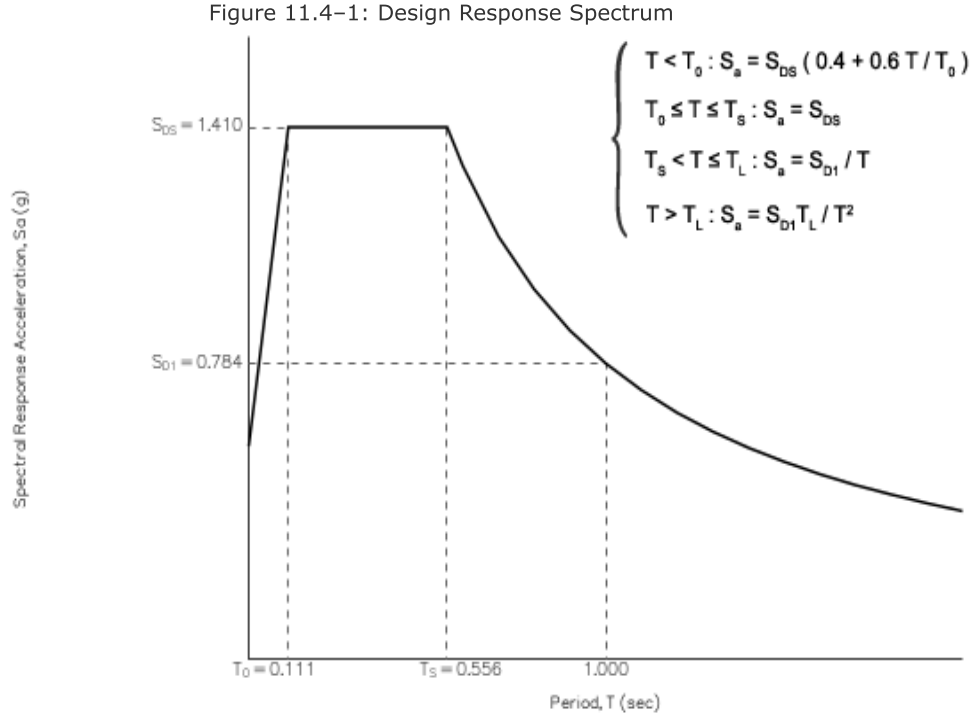
Equation (11.4–4): $S_{D1} = \frac{2}{3} S_{M1} = \frac{2}{3} \times 1.176 = 0.784$ g

---

Section 11.4.5 — Design Response Spectrum

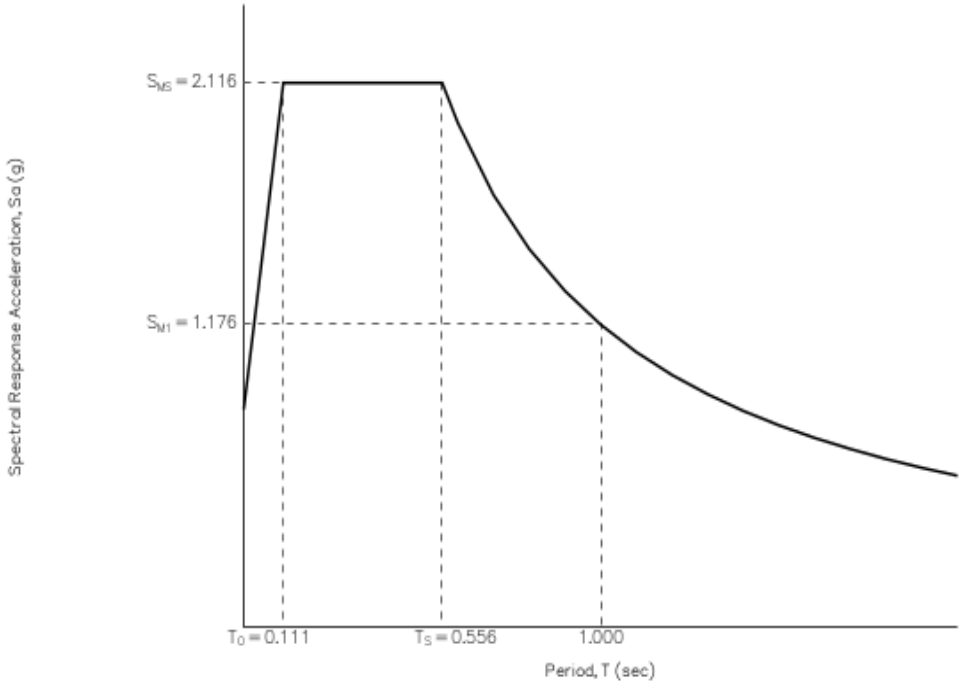
From Figure 22-12 [3] $T_L = 8$ seconds

Figure 11.4–1: Design Response Spectrum



Section 11.4.6 — Risk-Targeted Maximum Considered Earthquake (MCE_R) Response Spectrum

The MCE_R Response Spectrum is determined by multiplying the design response spectrum above by 1.5.



Section 11.8.3 — Additional Geotechnical Investigation Report Requirements for Seismic Design Categories D through F

From Figure 22-7 [4] PGA = 0.808

Equation (11.8–1): $PGA_M = F_{PGA}PGA = 1.000 \times 0.808 = 0.808$ g

Table 11.8–1: Site Coefficient F_{PGA}

Site Class	Mapped MCE Geometric Mean Peak Ground Acceleration, PGA				
	PGA ≤ 0.10	PGA = 0.20	PGA = 0.30	PGA = 0.40	PGA ≥ 0.50
A	0.8	0.8	0.8	0.8	0.8
B	1.0	1.0	1.0	1.0	1.0
C	1.2	1.2	1.1	1.0	1.0
D	1.6	1.4	1.2	1.1	1.0
E	2.5	1.7	1.2	0.9	0.9
F	See Section 11.4.7 of ASCE 7				

Note: Use straight–line interpolation for intermediate values of PGA

For Site Class = D and PGA = 0.808 g, F_{PGA} = 1.000

Section 21.2.1.1 — Method 1 (from Chapter 21 – Site-Specific Ground Motion Procedures for Seismic Design)

From Figure 22-17 [5] C_{RS} = 0.953

From Figure 22-18 [6] C_{R1} = 0.952

Section 11.6 — Seismic Design Category

Table 11.6-1 Seismic Design Category Based on Short Period Response Acceleration Parameter

VALUE OF S_{DS}	**RISK CATEGORY**		
	I or II	**III**	**IV**
$S_{DS} < 0.167g$	A	A	A
$0.167g \le S_{DS} < 0.33g$	B	B	C
$0.33g \le S_{DS} < 0.50g$	C	C	D
$0.50g \le S_{DS}$	D	D	D

For Risk Category = I and S_{DS} = 1.410 g, Seismic Design Category = D

Table 11.6-2 Seismic Design Category Based on 1-S Period Response Acceleration Parameter

VALUE OF S_{D1}	**RISK CATEGORY**		
	I or II	**III**	**IV**
$S_{D1} < 0.067g$	A	A	A
$0.067g \le S_{D1} < 0.133g$	B	B	C
$0.133g \le S_{D1} < 0.20g$	C	C	D
$0.20g \le S_{D1}$	D	D	D

For Risk Category = I and S_{D1} = 0.784 g, Seismic Design Category = D

Note: When S_1 is greater than or equal to 0.75g, the Seismic Design Category is **E** for buildings in Risk Categories I, II, and III, and **F** for those in Risk Category IV, irrespective of the above.

Seismic Design Category ≡ "the more severe design category in accordance with Table 11.6-1 or 11.6-2" = E

Note: See Section 11.6 for alternative approaches to calculating Seismic Design Category.

References

1. *Figure 22-1*: https://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-1.pdf
2. *Figure 22-2*: https://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-2.pdf
3. *Figure 22-12*: https://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-12.pdf
4. *Figure 22-7*: https://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-7.pdf
5. *Figure 22-17*: https://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-17.pdf
6. *Figure 22-18*: https://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-18.pdf

Appendix C2

Paleontological Records Search

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Natural History Museum
of Los Angeles County
900 Exposition Boulevard
Los Angeles, CA 90007

tel 213.763.DINO
www.nhm.org

Vertebrate Paleontology Section
Telephone: (213) 763-3325

e-mail: smcleod@nhm.org

19 September 2017

Dudek
605 Third Street
Encinitas, CA 92024

Attn: Michael J. Williams, Ph.D., Paleontologist

re: Vertebrate Paleontology Records Check for paleontological resources for the proposed LADWP West Los Angeles District Yard Project, Dudek Project # 8584-50, in the City of Los Angeles, Los Angeles County, project area

Dear Michael:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for the proposed LADWP West Los Angeles District Yard Project, Dudek Project # 8584-50, in the City of Los Angeles, Los Angeles County, project area as outlined on the portion of the Beverly Hills USGS topographic quadrangle map that you sent to me via e-mail on 5 September 2017. We have no fossil vertebrate localities that lie directly within the proposed project area boundaries, but we do have localities nearby from the same sedimentary deposits that occur in the proposed project area.

Surface deposits in all of the proposed project area consist of younger Quaternary Alluvium, derived broadly as alluvial fan deposits from the Santa Monica Mountains to the north. These younger Quaternary deposits typically do not contain significant vertebrate fossils in the very upper-most layers, but at relatively shallow depth may well contain significant fossil vertebrate remains from older Quaternary deposits.. Our closest vertebrate fossil locality in these older Quaternary deposits is LACM 5462, just to the southwest of the proposed project area along Pennsylvania Avenue. Locality LACM 5462 is particularly noteworthy because a specimen of extinct lion, *Felis atrox*, was recovered from this locality at a depth of only six feet below the surface. Our next closest vertebrate fossil locality from these deposits, LACM 7879,

situated due south of the proposed project area near the intersection of Rose Avenue and Penmar Avenue, produced fossil specimens of horse, *Equus*, and ground sloth, *Paramylodon*, at greater than eleven feet in depth.

Surface grading or very shallow excavations in the proposed project area probably will not uncover significant vertebrate fossil remains. Excavations that extend down below about five feet, however, may well encounter significant fossil vertebrate specimens. Any substantial excavations below the uppermost layers in the proposed project area, therefore, should be monitored closely to quickly and professionally recover any fossil remains discovered while not impeding development. Sediment samples from the proposed project area should also be collected and processed to determine the small fossil potential of the site. Any fossils recovered during mitigation should be deposited in an accredited and permanent scientific institution for the benefit of current and future generations.

This records search covers only the vertebrate paleontology records of the Natural History Museum of Los Angeles County. It is not intended to be a thorough paleontological survey of the proposed project area covering other institutional records, a literature survey, or any potential on-site survey.

Sincerely,

Samuel A. McLeod

Samuel A. McLeod, Ph.D.
Vertebrate Paleontology

enclosure: invoice

APPENDIX D

Phase I ESA

Phase I Environmental Site Assessment
West Los Angeles District Yard
12300 and 12270 Nebraska Avenue
Los Angeles, California 90064

Prepared for:

Los Angeles Department of Water and Power
111 N. Hope Street, Room 1044
Los Angeles, California 90012
Contact: Aiden Leong

Prepared by:

DUDEK
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Principal Engineer

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Environmental Engineer

OCTOBER 2018

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ACRONYMS

amsl	above mean sea level
APN	assessor's parcel number
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
bgs	below ground surface
CalEPA	California Environmental Protection Agency
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
City	City of Santa Monica
DCA	1,1-dichloroethane
DTSC	Department of Toxic Substance Control
EDR	Environmental Data Resources
EPA	U.S. Environmental Protection Agency
ESA	Environmental Site Assessment
LADWP	Los Angeles Department of Water and Power
LACFD	Los Angeles City Fire Department
LUST	leaking underground storage tank
NPMS	National Pipeline Mapping System
PCB	polychlorinated biphenyl
PCE	tetrachloroethylene
pCi/L	pico curies per liter
PRG	Preliminary Remediation Goal
RCRA LQG	Resource Conservation and Recovery Act – Large Quantity Generator
REC	recognized environmental condition
SVOC	semi-volatile organic compounds
SWAT	Solid Waste Assessment Test
TCE	trichloroethylene
TTLC	Total Threshold Limit Concentrations
ug/L	micrograms per liter
UST	underground storage tank
VEC	vapor encroachment condition
VES	Vapor Encroachment Screening
VOC	volatile organic compound
ZIMAS	Zone Information & Map Access System

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1 EXECUTIVE SUMMARY

A Phase I Environmental Site Assessment (ESA) was conducted for the West Los Angeles District Yard property located at 12270 and 12300 Nebraska Avenue in Los Angeles, California (subject property). The subject property consists of approximately 6.3 acres of land situated on assessor's parcel numbers (APNs) 4259-018-901, 4259-019-900, and a portion of 4259-018-902.

The findings of this investigation are based on a review of historical source information, a search of regulatory agency databases within specified distances, review of available local regulatory agency records, review of previous reports prepared for the subject property, interviews, and a site reconnaissance.

This Phase I ESA revealed the following information:

- The subject property was agricultural land from at least 1928 until 1950 (including operation as Consolidated Nurseries from 1943 to 1950) at which time industrial development began. The majority of the industrial activities occurred on 12270 Nebraska Avenue (APN 4295-018-901). Businesses that operated at the subject property between 1950 and 1989 included Riker Laboratories, Mesa Plastics, Allied Chemical Company, and Plaskon Electronic Materials. Los Angeles Department of Water and Power (LADWP) headquarters occupied the subject property (at 12300 Nebraska Avenue) beginning in 1989. The subject property is currently used as an overhead and underground power distribution and maintenance facility by LADWP.
- The surrounding area was agricultural with some commercial development to the east and west, and residential development to the north, beginning in at least 1928. Clay pits and brick-firing facilities began operations to the west of the subject property in the early 1930s, extending through the early to mid-1950s, at which time the pits were filled with solid waste and subsequently covered. The area was developed with commercial and industrial uses by the mid-1960s to the south, east, and west, and residential development to the north.
- The subject property is zoned City of Los Angeles PF-1XL: Public Facilities.
- The subject property, identified as West Los Angeles Service Center, Facility ID 85332 (FA0000806) is registered with California Environmental Protection Agency (CalEPA) for chemical storage, aboveground petroleum storage, and generating large quantities of hazardous waste (Resource Conservation and Recovery Act – Large Quantity Generator (RCRA LQG)). The most recent facility inspection was July 27, 2018, and violations were received for non-compliance of the Hazardous Materials Release Response Plan. Similar violations were received in December 2016 and April 2018. The chemical storage

report lists 42 materials used at the subject property, including greases, oils, paints, propane, and cleaners.

- Chemicals have been handled on the subject property since at least 1959. Chemical handling has included acetone, epoxys, phenols, diallylphthalate, acetone, oils and greases, silicone, silica compounds, tert-butyl peroxybenzoate, silane, resins, diethylaminoethanol, sodium hydroxide, sodium sulfite, kerosene, antimony oxide, diamyl peroxide, and barium carbonate. The manufacturing operations for which these materials were used have ceased on the subject property.
- A 7,500-gallon acetone underground storage tank (UST) was installed in 1959 by Mesa Plastics. It was removed in 1985 and replaced the same year with an 8,000-gallon acetone double-walled UST by Plaskon Electronic. The 8,000-gallon UST was removed in 1989 prior to demolition of all Plaskon buildings and termination of the company operations. Information regarding these tanks was received from the Los Angeles Fire Department and is discussed in Section 5.3.1.
- In February 1991, a 7,500-gallon gasoline UST, 2,000-gallon white gas UST, 500-gallon waste oil UST, an oil/water separator and a fuel island were removed from the subject property. Soil samples were collected after removal of these features. Xylene was detected in soil collected from three locations beneath the fuel tanks and fuel island at a maximum concentration of 26.7 parts per billion, and toluene was detected in soil collected from one location beneath the fuel island at 12.2 parts per billion. The low concentrations at shallow depths in the soil were determined to be de minimus.

Dudek performed this Phase I ESA of the subject property in conformance with the scope and limitations of American Society for Testing and Materials (ASTM) Practice E1527-13. This report summarizes the research and findings of the Phase I ESA.

This assessment revealed the following recognized environmental conditions (RECs) in connection with the subject property:

- Metals in soil above background and regulatory levels as identified in a 2005 site investigation.
- Elevated levels of trichloroethylene (TCE), tetrachloroethylene (PCE), 1,4-dioxane, and 1,1-dichloroethane (DCA) in the groundwater beneath the eastern adjoining property (12333 Olympic Boulevard).
- Elevated levels of volatile organic compounds (VOCs), including TCE, in the groundwater beneath the northern adjoining property (12210 ½ Nebraska Avenue).

- Elevated levels of PCE, TCE, 1,4-dioxane, and chloroform in the groundwater within the Olympic Well Field. The radius of influence of this well field encompasses the subject property.

This assessment revealed the following controlled RECs in connection with the subject property:

- Elevated levels of VOCs in the groundwater related to the Boeing Supercharger facility, which received a no further action designation in 2013.

This assessment revealed the following data gaps:

- Incomplete documentation of the "product lagoon" and "unstable materials pit" located on the subject property in 1978.
- Areas of solid waste disposal identified on aerial photographs west of the subject property and deemed potential areas of groundwater contamination by the U.S. Envionmental Protection Agency (EPA).
- Potential vapor encroachment conditions due to potential on-site and off-site sources.

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2 INTRODUCTION

This Phase I Environmental Site Assessment (ESA) was performed according to the guidelines stipulated in American Society for Testing and Materials (ASTM) Standard E1527-13, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process." This Phase I ESA was conducted as part of environmental due diligence for the proposed redevelopment of the West Los Angeles District Yard. The redevelopment of the West Los Angeles District Yard includes demolition of existing buildings, excavation activities, and construction of new buildings.

2.1 Assessment Procedure and Scope of Investigation

Phase I ESAs assist in identifying past and present land use, including identification of possible releases or disposal of manufacturing or other wastes if such information is contained within regulatory reports or files, and/or is currently visible on site. The assessment reviews local, county, state, and U.S. Environmental Protection Agency (EPA) lists of known or potentially hazardous waste sites, landfills, and sites currently under investigation for environmental violations that may be of concern to a site.

The scope of this environmental investigation consisted of (1) a reconnaissance of the subject property; (2) a search of regulatory agency records; (3) review of available historical aerial photographs, topographic maps, Sanborn fire insurance maps, City Directory listings, and building department records; (4) an environmental lien search; (5) interview of a representative of the property owner; and (6) preparation of this Phase I ESA report detailing the findings of the investigation.

These activities were conducted to identify recognized environmental conditions (RECs). The term "recognized environmental condition" means the presence or likely presence of any hazardous substances or petroleum products on the subject property under conditions that indicate an existing release, a past release, or a material threat of a release into the ground, groundwater, or surface water.

The term "controlled recognized environmental condition" (controlled REC) is an environmental condition that would have been considered a REC in the past, but which has been remediated and received risk-based closure by a regulatory agency (i.e., no further action letter) where residual contamination remains in place. Furthermore, "controlled REC" is used if the property is subject to a control or use restriction (i.e., property use restrictions, activity and use limitations, institutional controls, or engineering controls) due to residual on-site contamination.

The term "historical recognized environmental condition" (historical REC) is an environmental condition that would have been considered a REC in the past, but that has been remediated and

received unrestricted residential use closure by the regulatory agency. Therefore, no controls or use restrictions have been applied to the property.

The term "recognized environmental condition" is not intended to include de minimus conditions. De minimus conditions are conditions that generally do not present a material risk of harm to public health or the environment and would not be the subject of an enforcement action if brought to the attention of governmental agencies.

2.2 Qualifications of Environmental Professionals

This Phase I ESA was prepared by Susan Smith, geologist, Audrey Herschberger, environmental engineer, and Glenna McMahon, environmental engineer. Qualifications for Ms. Smith, Ms. Herschberger, and Ms. McMahon are presented in Appendix A.

We declare that, to the best of our professional knowledge and belief, we meet the definition of environmental professional as defined in Section 312.10 of 40 Code of Federal Regulations (CFR) Part 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 all appropriate inquires in conformance with the standards and practices set forth in 40 CFR Part 312.

3 SITE LOCATION

The subject property consists of approximately 6.3 acres of land located at 12270 and 12300 Nebraska Avenue in Los Angeles, California (Figure 1). The subject property is located on assessor's parcel numbers (APNs) 4259-018-901, 4259-019-900, and a portion of 4259-018-902. The subject property is bordered to the north by Nebraska Avenue, to the south by West Olympic Boulevard, and to the east and west by industrial properties (Figure 2). The subject property is currently used as power distribution and maintenance facility, including vehicle maintenance, for the Los Angeles Department of Water and Power (LADWP).

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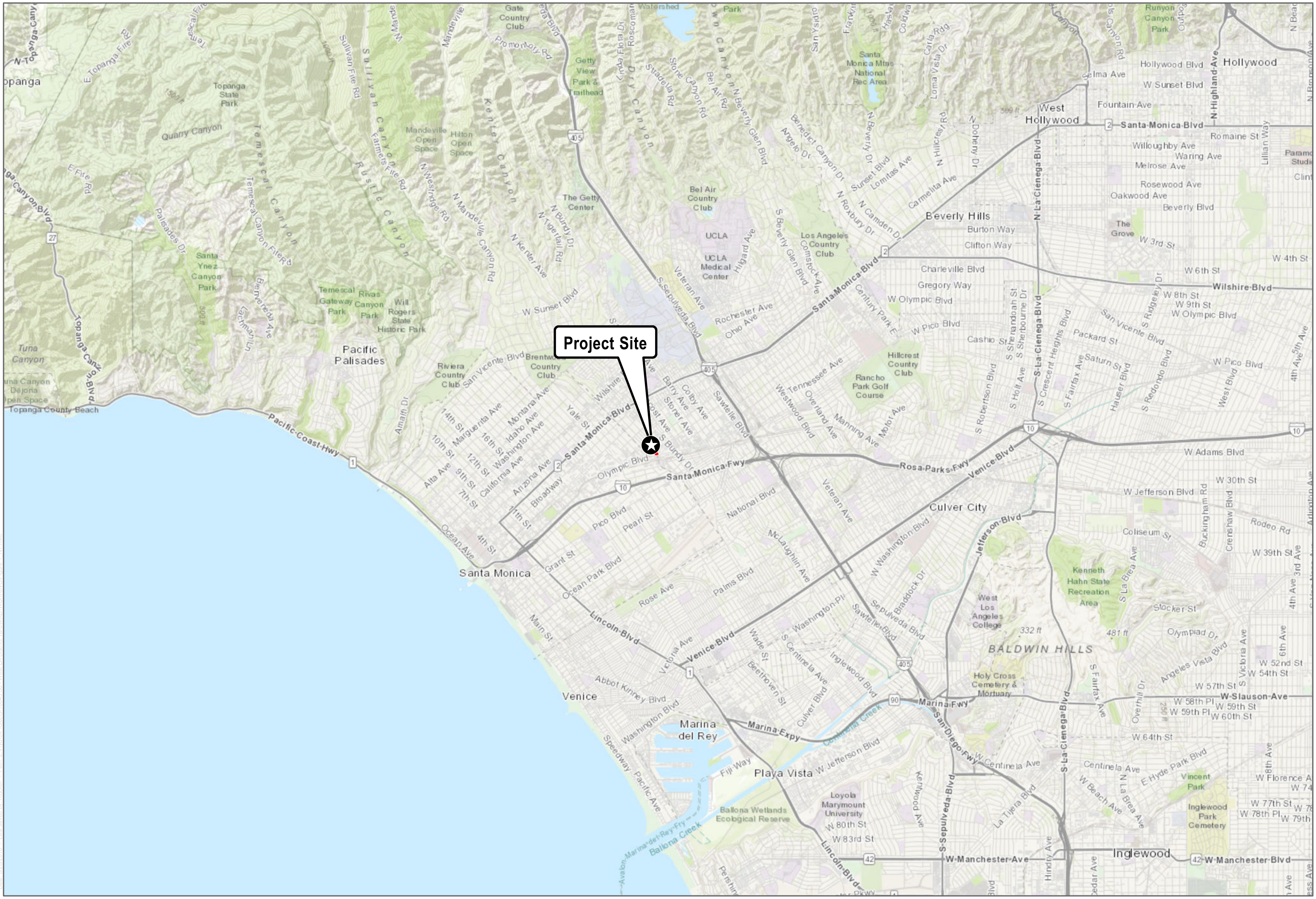

SOURCE: Esri Map Services

DUDEK

0 1 2 Miles

FIGURE 1

Regional Map

West LA District Yard Phase I Environmental Site Assessment

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SOURCE: Bing Imagery 2017

DUDEK

0 150 300 Feet

FIGURE 2

Subject Property

West LA District Yard Phase I Environmental Site Assessment

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4 ENVIRONMENTAL SETTING

General topographic information for the subject property and the surrounding area was obtained from a review of the Beverly Hills 7.5- x 7.5-minute U.S. Geological Survey topographic map, from the Environmental Data Resources (EDR) report (Appendix B), and from the site visit. The topography of the subject property is characterized by an overall south-southeast gradient, toward Olympic Boulevard. The elevation of the subject property is approximately 160 feet above mean sea level.

No subsurface geologic investigations were performed as part of this Phase I ESA. According to the U.S. Department of Agriculture Natural Cooperative Soil Survey, the subject property is mapped as having a soil component name of Urban Land, which has a variable surface texture. Other soil types in the area may consist of variable loams, clays, and sands. The geology of the subject property is primarily composed of Cenozoic-era quaternary rocks.

Based on sources searched by EDR, 22 water wells were mapped within 1 mile of the subject property; none of the wells are located on the subject property. In all, 4 of the wells were listed as U.S. Geological Survey wells, 1 was listed as a California oil and gas well, and the others are state-listed wells. Additional information regarding these wells is as follows:

- One of the wells is a monitoring well, with reported concentrations of volatile organic compounds (VOCs) from January 2012 until December 2017. This well is located between 0.25 and 0.5 miles southwest of the subject property. The most recent detected concentrations are as follows: chloroform at 4.4 micrograms per liter (ug/L), tetrachloroethylene (PCE) at 29.1 ug/L, 1,1-dichloroethylene (DCE) at 2 ug/L, trichloroethylene (TCE) at 39.9 ug/L, and cis-1,2-DCE at 2.1 ug/L.
- A second monitoring well was identified between 0.25 and 0.5 miles west of the subject property with reported concentrations of metals and other groundwater quality indicators from August 2012 to October 2017. The most recent detected concentrations are as follows: iron at 19.1 ug/L, manganese at 6.8 ug/L, and total trihalomethanes at 0.67 ug/L.
- A third monitoring well was identified 0.5 miles east of the subject property with reported concentrations of VOCs from January 2012 until December 2017. The most recent detected concentrations are as follows: chloroform at 1.1 ug/L, PCE at 8 ug/L, and TCE at 3 ug/L.

Based on sources searched by EDR and the California Division of Oil, Gas, and Geothermal Resources online database, three oil and gas wells are located within 1 mile of the subject property; none are located on the subject property. The closest oil and gas well is located

approximately 600 feet southwest of the subject property and is reported as a “dry hole.” Two active producing wells are located approximately 1 mile northwest of the subject property (DOGGR 2018).

Based on available reports and topography of the area, groundwater is expected to flow in a southerly direction, with local variations at shallow depths. Two City of Santa Monica supply wells are located within 0.25 miles of the subject property to the southwest. Groundwater monitoring reports (ICF 2017) conducted on these wells and surrounding associated monitoring wells indicate deep groundwater aquifers flow toward these wells due to a drawdown radius of approximately 5,000 feet from the wells.

5 INTERVIEWS

5.1 Site Representative Interview

On August 14, 2018, Susan Smith of Dudek interviewed Randolph Bowen of LADWP, representative for the subject property. A copy of the completed background questionnaire is included as Appendix C.

Mr. Bowen stated that the subject property is and has been used as an overhead and underground power distribution and maintenance facility.

Minimal vehicle maintenance is conducted in the Service Building. Mr. Bowen stated that damaged transformers are transported from the field to the subject property and the oil is sampled and analyzed for polychlorinated biphenyl (PCB). The damaged transformers are bagged and/or placed on spill pallets pending proper characterization and disposal. The hydraulic oil used in the equipment at the subject property does not contain PCB.

Soil from various excavations is sometimes stored on the subject property to be used as fill for various maintenance/repair activities; the soil is not used for fill material on the subject property.

Mr. Bowen stated that three aboveground storage tanks (ASTs) are located on the subject property; he was not aware of any underground storage tanks (USTs) on the subject property since the LADWP occupation.

Mr. Bowen stated that subject property was included in a lead-based paint and asbestos-containing materials survey in 2017. The interior and exterior of the office building and warehouse were abated for lead-based paint and asbestos-containing materials; the exteriors of the remaining buildings were also abated.

Mr. Bowen was not aware of any land use restrictions or litigation associated with the subject property.

5.2 User-Provided Information

In accordance with ASTM Standard E 1527-13, to qualify for one of the landowner liability protections offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001, the user must provide the following information (if available) to the environmental professional. On September 28, 2018, Randolph Bowen of the LADWP provided the answers to Dudek via telephone. The questions and responses are presented below.

1. **Question**: Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law?

Response: No.

2. **Question**: Are you aware of any activity and land use limitations, 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?

   Response: No.

3. **Question**: As the user of this ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

   Response: I only have knowledge pertaining to the southwestern-adjacent Receiving Station K.

4. **Question**: Does the purchase price being paid for this property reasonably reflect the fair market value of the property? 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 property?

   Response: Not applicable.

5. **Question**: Are you 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? For example, as user, (a) do you know the past uses of the property, (b) do you know of specific chemicals that are present or once were present at the property, (c) do you know of spills or other chemical releases that have taken place at the property, or (d) do you know of any environmental cleanups that have taken place at the property?

   Response: (a) the property has been used as a water and power distribution facility for the past 40 years; I am not aware of the previous use; (b) chemicals on the property include gasoline, diesel, motor oil, and cable oil; (c) no; and (d) no.

6. **Question**: As the user of this ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

   Response: No.

5.3 Agency Interviews

Regulatory agency records concerning environmental compliance for the subject property were requested from several agencies. Documents and information obtained from the regulatory agencies are summarized in Sections 5.3.1 through 5.3.9.

5.3.1 Los Angeles City Fire Department

The Los Angeles City Fire Department (LACFD) is the Certified Unified Program Agency for the City of Los Angeles. LACFD provides multiple online resources to find information about ASTs, USTs, and hazardous materials. Dudek accessed these online records on August 14, 2018.

- Active AST, UST, and Hazardous Materials Inventories (by address): The subject property address (12300 West Nebraska Avenue) was listed in the Hazardous Materials inventory under LADWP – West Los Angeles Service Center, Facility ID FA0000806.
- Inactive AST, UST, and Hazardous Materials Inventories: The subject property (12270 West Nebraska Avenue) was listed in the Inactive UST and Inactive Hazardous Materials inventory under Plaskon Electronic Materials Inc., Facility ID FA0001598.
- UST Historic File List: The subject property address was not listed.

Dudek submitted a request for records pertaining to 12270 W Nebraska Avenue. LACFD provided the following:

- A tank inspection form dated April 1959 for Mesa Plastics for the installation of a 7,500-gallon acetone UST. The tank was installed 225 feet south of the north property line, and 80 feet east of the west property line.
- A diagram of an "unstable materials pit" for Allied Chemical Co., dated January 18, 1978. The diagram states the pit will hold tertiary butyl perbenzoate and dicumyl peroxide. The location of this pit is not shown.
- A 1984 Hazardous Materials Inventory list. Materials included acetone, resins, silane, lubricating and hydraulic oils, flammable gases, and catalysts.
- An abandonment notification of a 7,500-gallon UST, dated May 22, 1985. The tank was reportedly 225 feet south of the north property line and 135 feet west of the east property line. This is the same approximate location of the Mesa Plastics acetone tank, installed in 1959.
- A permit application for the installation of an 8,000-gallon double-walled UST, dated April 1985 (completed May 1985).

- Final Closure Report for an Underground Solvent Storage Tank Removal (AMI 1989) and associated closure permits. The removal was for one 8,000-gallon double-walled steel tank containing acetone at atmospheric pressure. The tank was located in the approximate center of the former Plaskon Electronics site (APN 4259-018-901), in between the former buildings. Following abatement and removal of the tank, soil samples were collected. Analytical results identified slight acetone concentrations in the soils (maximum 0.56 milligrams per kilogram) below the tank, which were determined to be de minimus and did not indicate impacts to soils. The excavation was backfilled and graded.
- A notice of termination of operation of the Plaskon Electronic Materials manufacturing plant. Operations were noted as scheduled to be terminated on March 1, 1989, with subsequent building demolishment.

Dudek submitted a request for records pertaining to 12300 West Nebraska Avenue. LACFD provided the following:

- An UST inspection form, dated September 1953, indicating one 2,000-gallon and one 7,500-gallon gasoline UST, both located 15 feet from the east property line and 200 to 215 feet from the north property line.
- An UST inspection form, dated January 1957, indicates two tanks were located on the subject property: one 2,000-gallon UST and one 7,500-gallon UST. The notes indicate the 2,000-gallon tank was leaking so it was removed, repaired, and replaced in the same location. The tanks contained gasoline and were part of a service station.
- A tank abandonment form, dated February 1957, for one 2,000-gallon UST to be removed from the ground. The tank was repaired and replaced into the ground.
- A tank abandonment form, dated January 1958, for one 2,000-gallon UST to be filled with sand. The tank is located 15 feet west of the east property line and 200 feet south of the north property line.
- An UST inspection form, dated January 1958, indicating the installation of a 1,000-gallon UST to replace the 2,000-gallon UST.
- A tank closure report with soil sampling results dated February 20, 1991. A gasoline UST, white gasoline UST, waste oil UST, and a gasoline island were removed from the site. Based on available information, these two tanks appear to be the same tanks referenced in the 1950s documentation. Subsequent soil samples collected from each excavation area revealed no detections of petroleum hydrocarbons. A figure indicates the approximate locations of these USTs, which are shown on Figure 3 of this report. Xylenes were detected beneath the waste oil tank and beneath the gasoline island (max 26.7 parts per billion). Toluene was also

detected beneath the gasoline island (12.2 parts per million). This decommissioning activity is discussed further in Section 9.

- Various permits and authorizations for the 1991 removal of the USTs.
- Disposal confirmations and manifests for the 1991 USTs.
- A 2003 inspection report for the three Convalt ASTs located on the site.

LACFD also provided a link to the California Environmental Protection Agency (CalEPA) Regulated Site Portal. The results of the CalEPA portal are discussed in Section 5.3.7.

5.3.2 Los Angeles County Fire Department – Hazardous Materials Division

Dudek contacted the Los Angeles County Fire Department Hazardous Materials Division to obtain information about potential spills, tanks, or chemical use on the subject property. The county provided various files for the property at 12270 Nebraska Avenue. One set of files was for a health complaint involving contact dermatitis after packaging plastic materials. The second set of files included hazardous materials summaries from Plaskon Materials manufacturing facility. The chemicals identified in these various summaries include epoxys, phenols, diallylphthalate, acetone, oils and greases, silicone, silica compounds, tert-butyl peroxybenzoate, silane, resins, diethylaminoethanol, sodium hydroxide, sodium sulfite, kerosene, antimony oxide, diamyl peroxide, and barium carbonate. Copies of these files are provided in Appendix D.

5.3.3 Department of Toxic Substance Control, Chatsworth Regional Office

5.3.3.1 Office Records

Dudek contacted the Department of Toxic Substance Control (DTSC), Chatsworth Regional Office, to obtain information about spills, tanks, or chemicals used that may have impacted the environmental conditions on the subject property. As of the date of this report, DTSC has not responded.

5.3.3.2 EnviroStor

Dudek accessed EnviroStor (EnviroStor 2018), which is an online database of DTSC sites. The subject property was not listed in the EnviroStor database. The adjoining property, 12210 ½ Nebraska Avenue, was listed, and is discussed in Section 12.2.

5.3.4 South Coast Air Quality Management District

5.3.4.1 Office Records

Dudek contacted the South Coast Air Quality Management District on August 2, 2018, to obtain records regarding hazardous materials, permits, complaints, and code violations for the subject property. The information obtained is presented in the Table 1 and Appendix D.

Table 1
South Coast Air Quality Management District Records for the Subject Property

Date	Description
LA City, DWP 12300 Nebraska Ave	
8/8/1984	Permit to operate gasoline storage tanks and dispensing equipment
8/31/1991	Permit to operate two underground storage tanks (one 12,000-gallon gasoline and one 5,000-gallon diesel) and associated fuel dispensers
1995, 2004, 2005, 2012, 2013, 2014	Permit to operate gasoline and diesel aboveground storage tanks
1996, 2006	Permit to operate diesel generator
2007, 2015, 2016	Asbestos abatement notifications
2001, 2009	Notices of compliance – failure to provide copies of pressure test results and place orange sticker on engine
2002, 2011, 2017	Notices of violation – failure to perform vapor recovery recertification on gasoline-powered equipment, operation of emergency generator more than 30 hours per year, and failure to report gasoline throughput
Plaskon Electronic Materials 12270 Nebraska Ave	
1981, 1984	Multiple permits to operate various equipment including roll mills, blenders, mixers, molding, grinders, and various pollution control equipment; solvents were noted to be used on the 1981 roll mill permit
1984, 1984	Permit to operate a 7,500-gallon underground storage tank (acetone)
1985	Permit to operate an 8,000-gallon underground storage tank (acetone)

5.3.4.2 Online Database

Dudek accessed the South Coast Air Quality Management District's online search tool, FIND, on August 14, 2018 (FIND 2018). The information shown in Table 2 was obtained.

Table 2
South Coast Air Quality Management District FIND Records for the Subject Property

Date	Description
LA City, DWP (Facility ID 4471) 12300 Nebraska Ave	
6/12/2014	Active permit to operate a gasoline service station.

Table 2
South Coast Air Quality Management District FIND Records for the Subject Property

Date	Description
6/22/2006	Active permit to operate a diesel generator.
8/8/1984	Inactive permit to operate amine regeneration and gasoline service station.
8/31/1991	Inactive permit to operate a gasoline storage tank and refinery flare system.
3/13/1995	Inactive permit to operate a gasoline storage tank.
4/16/1996	Inactive permit to operate a diesel generator.
1/19/2000 6/4/2004 12/6/2012	Inactive permit to operate a gasoline service station
Paktank Corp (Facility ID 83184) 12270 Nebraska Ave	
12/20/1990	Application for a stationary diesel generator
3/2/2001	Application for an ERC alteration
Plaskon Electronic Materials Inc. (Facility ID 21406, 45149) 12270 Nebraska Ave	
1982, 1983, 1984, 1986, 1988	Multiple inactive permits to operate plastics and resins blending, size reduction, size classification, extruding, and packaging; dioctyl phthalate rolling; baghouse; miscellaneous material cleaning; and glass fiber size reduction processes.

Notices of violation were received by LADWP in 2002, 2011, and 2017, all of which were later brought into compliance. The violations involved improper paperwork and reporting.

5.3.5 Los Angeles Regional Water Quality Control Board

5.3.5.1 Office Records

Dudek contacted the Los Angeles Regional Water Quality Control Board (LARWQCB) on August 2, 2018, to obtain records of spills, tanks, or other releases that may have impacted the environmental conditions on the subject property. On August 9, 2018, the LARWQCB responded that it did not have any records related to the subject property addresses.

5.3.5.2 GeoTracker Records

Dudek accessed GeoTracker, the California Water Board online data management system, on August 14, 2018 (GeoTracker 2018). The subject property was not identified on the GeoTracker online mapping system. However, the EDR Report (Section 12.1) provided a link to a Hazardous Material Storage Container Information Sheet (UST records) that is stored on GeoTracker. Copies of these information sheets are provided in Appendix D.

5.3.6 City of Los Angeles

Dudek requested records from the City of Los Angeles on August 2, 2018. On August 3, 2018, the Office of the City Clerk responded stating it is "not in possession of any documents or information relating to your request."

Dudek accessed the City of Los Angeles Department of Planning and Zoning online Zone Information & Map Access System (ZIMAS) on August 14, 2018 (ZIMAS 2018). The subject property is zoned PF-1XL: Public Facilities.

Properties to the east and south are zoned M2-1: Light Manufacturing. Properties to the north are zoned R1-1: Low Residential. Properties to the west of Centinela Avenue are part of the City of Santa Monica, zoned Mixed Use Creative.

5.3.7 California Environmental Protection Agency Regulated Site Portal

Dudek accessed the CalEPA site portal on August 14, 2018 (CalEPA 2018). The following listing was found for the subject property:

- West Los Angeles Service Center, Facility ID 85332 (FA0000806) is listed for chemical storage facilities, aboveground petroleum storage, and generating large quantities of hazardous waste (RCRA LQG). The most recent facility inspection was July 27, 2018, and violations were received for non-compliance of the Hazardous Materials Release Response Plan. Similar violations were received in April 2018 and December 2016. Chemical storage includes 42 reported materials, including greases, oils, paints, propane, and cleaners. A full list is provided in Appendix D.

5.3.8 National Pipeline Mapping System

Dudek accessed the National Pipeline Mapping System (NPMS) online database on August 15, 2018, for information about hazardous materials pipelines, accidents, and other incidents on or near the subject property (NPMS 2018). There are two liquid natural gas pipelines east of the subject property, the closest being approximately 0.25 miles from the subject property. There are two hazardous liquid pipelines, one approximately 0.5 miles east of the subject property, and one approximately 0.8 miles west of the subject property. No accidents or incidents were reported within 1 mile of the subject property.

5.3.9 Los Angeles County Tax Assessor

Dudek accessed the Los Angeles County Tax Assessor's online property assessment information system database on August 15, 2018, to obtain information about building construction dates (County of Los Angeles 2018). Results of this search are presented in Table 3.

Table 3
Los Angeles County Tax Assessor Records for the Subject Property

APN	Address	Details
4259018901	12270 Nebraska Avenue	A commercial use, government owned parcel with no recorded buildings. The land is 84,867 square feet. The property was recorded sold in 1979, 1983, 1984, and 1989. The APN was changed in 1989 from 4259018001.
4259018902	None	A government owned parcel with no recorded buildings designated "other property type." The total land is 450,671 square feet. The property was recorded sold in 1967.
4259019900	None	A government owned parcel with no recorded buildings designated "other property type." The total land is 50,212 square feet. The property was recorded sold in 1967.

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6 SITE RECONNAISSANCE

A site reconnaissance was conducted on August 14, 2018, by Susan Smith of Dudek. Ms. Smith was accompanied by Randolph Bowen, representative of the subject property. The site reconnaissance consisted of walking the subject property and viewing adjacent properties from the subject property or public rights of way. Photographs are included in Appendix E.

The subject property consists of land used as an overhead and underground power distribution and maintenance facility. The subject property consists of several standalone structures (office building, assembly building, locker room building, warehouse/tool room building, and service building), outdoor storage areas, and parking (Photographs 1 through 6).

The subject property is bound to the northwest by Nebraska Avenue and residential housing (Photograph 7). The subject property is bound to the northeast by commercial businesses including an architecture firm and gaming company (Photograph 8). The subject property is bound to the southwest by Receiving Station K, Centinela Boulevard, and various office buildings (Photographs 5 and 9). The subject property is bound to the southeast by a veterinary clinic and Olympic Boulevard (Photograph 10).

New transformers are stored in two areas on the northeastern portion of the subject property (Photographs 11 and 12). Temporary transformers mounted on trailers are stored on the northeastern portion of the subject property, adjacent to the employee parking lot (Photograph 13). Used and damaged transformers are stored on a concrete pad located on the northeastern portion of the subject property (Photograph 14).

New and dirty oil drums (cable oil and inhibited oil) and cans of diesel fuel are stored in prefabricated buildings equipped with secondary containment (Photograph 15). Empty drums are stored adjacent to the prefabricated buildings (Photograph 16).

ASTs are located on the northern and southeastern portions of the subject property. The ASTs include a diesel generator with day tank and three double-walled tanks (two unleaded gasoline and one diesel).

Dry materials, including gravel and soil, are stored in outdoor bays on the northeastern portion of the subject property (Photograph 17).

Surface Water Discharge

The subject property slopes gently toward the southwest. A swale is present on the southeastern portion of the subject property and extends toward Centinela Avenue (Photograph 5).

Pits, Ponds, or Lagoons

No pits, ponds, or lagoons were observed on the subject property.

Distressed Vegetation

Distressed vegetation was not observed on the subject property.

Indications of Solid Debris Storage

Used lead cables coated in cable oil are stored in bins located on the southwestern portion of the subject property (Photograph 18). Damaged transformers are stored on the northeastern portion of the subject property (Photograph 14).

Chemical Storage or Use

Various chemicals were observed in the auto service building. Drums of chemicals include transmission fluid, motor oil, antifreeze, and brake cleaner (Photograph 19). Two parts washers atop drums were also observed in the auto service building (Photograph 20). Drums containing cable oil and inhibited oil were observed in the prefabricated hazardous materials buildings (Photograph 21). Aerosols and other flammable materials were observed in flammable cabinets in the tool room building (Photograph 22). Compressed gasses (acetylene, propane, and nitrogen) were observed in the empty drum storage area (Photograph 23).

Pools of Liquid

No unnaturally discolored pools or flowing water were observed on the subject property.

Groundwater Wells, Cisterns, Cesspools, or Septic Tanks

No groundwater wells, cesspools, cisterns, or septic tanks were observed during the site reconnaissance.

Drains and Sumps

Storm drains were observed on the southeastern portion of the subject property. A wash rack was observed in the auto service building (Photograph 24).

Transformers and Hydraulic Equipment

A hydraulic vehicle lift was observed in the auto service building; no staining was observed in the vicinity of the vehicle lift (Photograph 25). Trailer-mounted hydraulic cable pulling tools were observed on the southeastern portion of the subject property; minimal staining was observed on the asphalt adjacent to one of the trailers (Photograph 26). New and used/damaged transformers were observed on the subject property (Photograph 14). The damaged transformers were stored on a cement pad and were typically wrapped in plastic or placed on/within secondary containment. Absorbent materials were observed around the base of one of the transformers (Photograph 27). Minimal oil staining was observed on the asphalt in an area used to load and transport the damaged transformers for disposal (Photograph 28).

Abnormal Odor

Dudek did not notice any abnormal odors on the subject property during the site reconnaissance.

Soil Disturbances

No soil disturbances were observed during the site reconnaissance.

Storage Tanks

Three 2,000-gallon double-walled ASTs (two unleaded and one diesel) located within concrete berms were observed on the southeastern portion of the subject property; de minimus staining was observed in the vicinity of the nozzles, and no staining was observed beneath the tanks (Photographs 29 and 30). A diesel generator equipped with a double-walled day tank was observed in the northeastern portion of the subject property; no staining was observed beneath the tank (Photographs 31 and 32). No evidence of USTs was observed during the site reconnaissance.

Staining

Minimal oil staining was observed on the concrete floor beneath the used/damaged transformers, on the asphalt near the transformer disposal transportation area, and on the asphalt near the cable pulling trailer (Photographs 26 through 28).

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7 REVIEW OF HISTORICAL AERIAL PHOTOGRAPHS

Dudek reviewed historical aerial photographs from EDR for 1928, 1938, 1947, 1952, 1964, 1967, 1970, 1977, 1981, 1989, 1994, 2002, 2005, 2009, 2012, and 2016 (Appendix F). The photographs provided background information to assess the possibility of past activities that could present environmental concerns. The aerial photographs are described in Table 4.

Table 4
Description of Historical Aerial Photographs Reviewed

Date	Description
1928	The subject property appears to be all row crops with no observable buildings. The properties to the north appear to be developing residential communities. Adjoining to the east, west, and south are more agricultural areas (row crops). Commercial size buildings are observed to the east, west, and south, but are not adjoining the subject property. A disturbed area is observed approximately 500 feet to the west. Nebraska Avenue is observed bordering the subject property to the north, Centinela Ave borders to the west, and a portion of West Olympic Boulevard borders to the south, but does not connect to South Bundy Drive or extend west beyond Centinela Avenue. South Bundy Drive is observed to the east.
1938	No significant changes are observed to the subject property from the 1928 aerial photograph. There is a large commercial property to the west, where 12 large silos/tanks are observed approximately 1,500 feet from the subject property, as well as a large disturbed area. Residential properties are observed adjoining to the north and continue northward. The adjoining properties to the west, east, and south are agricultural. West Olympic Boulevard now extends beyond Centinela Avenue and Bundy Drive.
1947	No significant changes are observed to the subject property from the 1938 aerial photograph. Residential density has increased to the north and northeast, and is developing to the south beyond the adjacent agricultural/commercial areas. The western, eastern, and southern adjoining properties still appear agricultural. A fan-shaped ground disturbance is observed to the southeast, which appears to be an auditorium (topographic maps confirm it is a drive-in theater). Commercial development has increased directly to the south spanning along Olympic Boulevard. The large disturbed area to the west now contains large commercial buildings adjacent to the land disturbance.
1952	The northeastern portion of the subject property (APN 4295-018-901) is now developed with a large, rectangular commercial building along the eastern side, and a second smaller square building just to the south. The northern corner appears to be parking. The southeastern section of the subject property (APN 4259-019-900) appears disturbed with a long row of material down the center. The western portions (APN 4259-018-902) still appear agricultural row crops. The adjoining properties are now developed, with a large parking lot to the west, parking and commercial/industrial buildings to the east and south, a drive-in theater to the southeast, and residential to the north. The outlying areas are now commercially or residentially developed.
1964	The subject property is now developed, with multiple buildings on the northern parcels, as well as paved drive and parking areas. The southern portions of the subject property do not contain buildings, but appear to be paved areas. The southeast leg of the subject property appears to be a long strip of parking spaces. The surrounding area is completely developed, with residential to the north, and commercial/industrial to the east, west, and south. The western adjoining property (APN 4259-018-902) is developed as a substation.
1967	No significant changes are observed from the 1964 aerial photograph.
1970	The subject property contains multiple buildings, all located on the northern portion of the property. The southern leg is parking, and the western leg is paved driveway. Materials are stored outside in multiple areas of the subject property. Significant changes are not observed from the 1967 aerial photograph.
1977	The drive-in theater to the southeast is now being developed with a large commercial building. The subject

Table 4
Description of Historical Aerial Photographs Reviewed

Date	Description
	property appears similar to the 1970 aerial photograph, except there is a large area of stored materials in the center of the northern section of the property, along the western edge of APN 4295-018-901. The surrounding areas also appear similar to the 1977 aerial photograph.
1981	New buildings have been constructed to the southeast, where the former drive-in was located. These buildings appear commercial or industrial. A new structure or material storage area is observed on the top of the southern leg of the subject property, where vehicle parking was previously observed.
1989	The northern portion of the subject property (APN 4295-018-901) has been cleared of all structures and appears either bare dirt or paved. The remainder of the subject property appears unchanged. The surrounding areas appear unchanged.
1994	One new building is observed on the subject property, on the area that was cleared in the 1989 aerial photograph. The remaining area is paved vehicle parking. The remainder of the subject property appears unchanged, as do the surrounding areas.
2002	The subject property layout is unchanged. A concrete patch is observed in the northern portion of the subject property (on APN 4259-018-902), at the northwest end of the outdoor material storage area. Six buildings are observed. The remainder of the site appears paved with vehicle parking and material storage. The surrounding areas also appear unchanged.
2005	No significant changes are observed from the 2002 aerial photograph.
2009	Significant changes are not observed on the subject property from the 2005 aerial photograph. Two new commercial buildings are observed to the south, south of Olympic Boulevard. The buildings appear similar to the surrounding commercial buildings.
2012	No significant changes are observed from the 2009 aerial photograph.
2016	The subject property is commercially developed, with five buildings on the northern portion. The entire site is paved. Vehicle parking is located on the northern portion around the buildings. Exterior material storage is observed along the center line of the southeastern leg of the subject property, and in the northern portion along the southernmost building. The western leg of the subject property appears to be driveway area and some material storage. The surrounding areas are commercially/industrially developed to the east, west, and south, and residentially developed to the north. Nebraska Avenue borders the subject property to the north, and Centinela Avenue and Olympic Boulevard border to the south.

Dudek also reviewed the EPA Aerial Photographic Analysis of the Santa Monica Groundwater Area (EPA 1996). The coverage area included an almost-square area bordered by Santa Monica Boulevard to the north, Rose Avenue to the south, Butler Avenue to the east, and 20th Street to the west, and encompasses the subject property. In summary, clay mining operations were present in the 1930s, west of the subject property, and continued in the northern portion of the area until 1952 to 1958, followed by dumping in the open pit areas. By 1975 all excavations had been filled and commercial and industrial buildings had been constructed. Eight of these sites are located within a 1-mile radius of the subject property, and are shown on Figure 3. These areas were considered potential areas of groundwater contamination by EPA.

8 REVIEW OF HISTORICAL TOPOGRAPHIC MAPS

Dudek reviewed historical topographic maps from 1894, 1896, 1898, 1900, 1902, 1920, 1921, 1925, 1934, 1950, 1966, 1972, 1981, 1994, 1995, and 2012 (Appendix B). The topographic maps are a historical source that can be used to document the prior use of the subject property and surrounding area.

The topographic maps are described in Table 5.

Table 5
Summary of Topographical Maps Reviewed

Date	Scale	Description
1894, 1896, 1898, 1900	1:62,500	The subject property and surrounding areas show no development. Southern Pacific Railroad is observed approximately 0.25 miles south and 1 mile east, and Pasadena and Pacific Railroad 0.35 miles north of the subject property. The subject property is in a low-lying flat area south of the Santa Monica Mountains. Santa Monica lies to the west, La Ballona ot the south, San Jose de Buenos Ayres to the north, and Rincon de Los Bueyes to the east.
1902	1:62,500	A road is observed along the western border of the subject property. Development is observed beginning approximately 1 mile west and 1 mile north of the subject property.
1920, 1921	1:62,500	The subject property and surrounding areas are now developed with a city-style grid-pattern road system and small buildings throughout. A single building is shown on the western leg of the subject property. A road is now bordering the subject property to the west, then turns and also borders the southern leg of the property. Oil wells are shown approximately 1.25 miles northwest of the subject property. South of the subject property is still largely undeveloped.
1925	1:24,000	The subject property is in the “Sawtelle” area. Hot houses are shown to the east. The Los Angeles City Boundary runs along the road that borders the subject property to the west and south. Contour lines depict a slight southward gradient across the subject property; an elevation benchmark of 153 feet above mean sea level (amsl) is located just south on the railroad. The subject property is undeveloped, with no buildings or other features. The adjoining properties are also undeveloped. Two large pits or depressions are observed 0.5 and 0.75 miles west of the subject property.
1934	1:24,000	Development has increased surrounding the subject property, and now borders the subject property to the north. The municipal airport is observed approximately 0.75 miles to the south. Multiple depressions are depicted west of the subject property, the closest one located less than 0.25 miles west.
1950	1:24,000	The surrounding area is now “built-up area.” The eastern adjoining property contains multiple mid-sized buildings (larger than residences). The properties 0.25 to 0.5 miles west of the subject property show depressions and gas tanks. North of the subject property is all built up. Olympic Boulevard borders to the south; Centinela Avenue to the west; Nebraska to the north. The area contains schools, an airport, and parks.

Table 5
Summary of Topographical Maps Reviewed

Date	Scale	Description
1966	1:24,000	The properties 0.5 miles to the west are now depicted as a “clay pit” mining site. The tanks are no longer depicted. Buildings are now shown on the subject property, eight in all. The adjoining properties all contain mid-sized buildings; a drive-in theater is located less than 1/8 miles to the east. The Santa Monica Freeway is now located approximately 0.25 miles to the south.
1972, 1981, 1994, 1995	1:24,000	No significant changes are observed on the subject property, except one new small building observed in 1981. New buildings are observed in the areas surrounding the subject property, mainly mid-sized to large buildings in commercial areas. The clay pit to the west is no longer depicted.
2012	1:24,000	Only roads and contour lines are depicted; buildings are no longer shown. No significant changes to the subject property or the area are observed.

9 PREVIOUS ENVIRONMENTAL SITE ASSESSMENTS

Phase I ESA, December 1999

A Phase I ESA was prepared by Parsons Engineering Science Inc. in 1999 for the subject property (Parsons 1999). The 1999 Phase I ESA identified the following RECs: suspect asbestos-containing materials throughout the buildings, the oil/water separator associated with the vehicle was rack in the truck shed, possible PCB-containing fluorescent light ballasts throughout the buildings, and suspected lead-based paint on the interior and exterior of the buildings. The oil/water separator was identified as a REC because there was no documentation of its installation, the integrity of the separator could not be assessed, and sampling of the environmental media at or near it had not been conducted.

During the 1999 site reconnaissance, two 2,000-gallon gasoline ASTs and one 2,000-gallon diesel AST with attached fuel nozzles, one 500-gallon waste oil AST at the truck shed and vehicle fleet maintenance shop, a three-stage oil/water separator at the wash rack, and a hazardous waste satellite accumulation area at the truck shed were observed on the subject property.

In February 1991, three USTs, a fueling station, and one oil/water separator were removed from the subject property. These tanks included a 7,500-gallon gasoline UST, approximately 10 years old; a 2,000-gallon white gas UST, approximately 20 years old; and a 500-gallon motor oil UST, age unknown.[1] The approximate location of the fuel island and USTs is shown on Figure 3. Soil samples collected after removal of these features showed concentrations of xylene in soil in three locations beneath the fuel tanks and fuel island at a maximum concentration of 26.7 parts per billion, and concentrations of toluene in soil in one location beneath the fuel island at 12.2 parts per billion. A removal report was submitted to the LACFD. The detected concentrations were located 3 feet below ground surface (bgs). Based on Dudek's review of the data, the detected levels of xylene are below the current Environmental Screening Level of 2.3 parts per million and the EPA Regional Screening Level for Residential Soil of 5,800 parts per million.[2] Shallow groundwater has been determined to be approximately 40 feet bgs (Citadel 2017). Based on the low concentrations at shallow depths in the soil and depth to groundwater, these levels appear to be de minimus, and do not pose a REC to the subject property.

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1 Documentation received from the LACFD (Section 5.3.1 of this report) indicates these tanks were installed in approximately 1951.

2 These levels are referenced because they are typical screening levels used to evaluate soil contamination in the State of California. These are not necessarily the screening levels that would be utilized in a remediation activity at the subject property. They are being used to reference the de minimus nature of the reported contamination.

Initial Study/Proposed Mitigated Negative Declaration, February 2005

A California Environmental Quality Act Initial Study was completed on the subject property by LADPW Environmental Services in 2005. The study was conducted in the proposed location of a new Administration Building at the northeast portion of the subject property, northeast of the current office building. At the time of the study, the area was used as a parking lot. The Initial Study and subsequent Mitigated Negative Declaration did not find any significant environmental impacts due to the proposed construction of the new Administration Building.

Final Site Investigation Report, May 2005

A limited soil investigation was conducted on the subject property, the findings of which were reported in the Final Site Investigation Report prepared by Essentia Management Services in 2005 (Essentia 2005). The investigation was conducted in the proposed location of a new Administration Building at the northeast portion of the subject property, northeast of the current office building. At the time of the study, the area was used as a parking lot. The report states that the site was historically used as a nursery (1943–1950), laboratory (1950–1959), plastics company (1959–1964), chemical company (1964–1979), electronic materials company (1979–1989), and LADPW headquarters (1989–2005).

Eight direct-push borings were advanced to a depth of 8 feet bgs in this area. Samples from each boring were submitted for chemical analysis. The site investigation identified the following:

- VOCs, organophosphorus pesticides, and chlorinated herbicides were not detected; organochlorine pesticides were detected, but not at concentrations exceeding Preliminary Remediation Goals (PRGs) and Total Threshold Limit Concentrations (TTLCs).
- Arsenic was detected above PRG, TTLC, and estimated regional background concentrations; mercury was detected, but not at concentrations above the residential PRG, TTLC, or regional background concentrations.
- Vanadium was detected above residential PRG and regional background concentrations, but not above industrial PRG or TTLC concentrations.
- Beryllium, cadmium, chromium, cobalt, coper, molybdenum, nickel, selenium, and zinc were detected above regional background concentrations.
- Petroleum hydrocarbons were detected, but not above action levels.

Dudek believes the elevated concentrations of metals above background and, for some, above regulatory action levels, represents a REC to the subject property. The detected pesticides and petroleum hydrocarbons are not above regulatory action levels, and therefore represent a de minimus condition to the subject property.

10 SITE HISTORY

Based on review of the historical aerial photographs and topographic maps, agency records, the site representative interview, previous reports, and information obtained online, the subject property was agricultural land from at least 1928 until 1950 (including operation as Consolidated Nurseries from 1943 to 1950), at which time industrial development began. The subject property has been operated under two addresses, 12270 and 12300 Nebraska Avenue. The majority of the industrial activities occurred on 12270 Nebraska Avenue (APN 4295-018-901). The subject property operated as Riker Laboratories from 1950 to 1959, Mesa Plastics from 1959 until 1964, Allied Chemical Company from 1964 until 1979, Plaskon Electronic Materials from 1979 until 1989, and LADWP headquarters (at 12300 Nebraska Avenue) beginning in 1989.

Mesa Plastics installed a 7,500-gallon acetone UST in 1959, which was subsequently removed and replaced by Plaskon Electronic Materials in 1985. Plaskon installed an 8,000-gallon dual-walled steel acetone UST, which was removed in 1989 before demolition of all of the buildings on the Plaskon site. The former Plaskon site is now a paved parking lot (APN 4259-018-901), and operations and buildings for the LADWP headquarters are on the parcel to the west (APN 4259-018-902).

The surrounding area was agricultural with some commercial development to the east and west, and residential development to the north, beginning in at least 1928. Clay pits and brick firing-facilities began to the west of the subject property in the early 1930s, extending through the early to mid-1950s, at which time the pits were filled with solid waste and subsequently covered. The area was commercially and industrially developed by the mid-1960s to the south, east, and west, and residential development continued to the north.

10.1 Historical Sanborn Fire Insurance Maps

Historical Sanborn fire insurance maps were requested from EDR. Sanborn maps provide information regarding the historical uses of the subject property and surrounding properties. Sanborn maps typically exist for cities with populations of 2,000 or more; the coverage is dependent on the location of the subject site within the city limits. A Sanborn map from 1965 was available for a portion of an area adjacent to the subject property; however, the subject property was not mapped (Appendix G).

10.2 City Directory

City Directory listings were requested from EDR. Results included information for the years 1920 through 2014 (Appendix H). Table 6 summarizes the listings for the subject property (12300 West Nebraska was not found; results are for 12270 West Nebraska) and adjoining properties.

Table 6
Summary of City Directory Listings

Address	Listing Information	Year(s)
12270 Nebraska Ave	Mesa Plastics Co Los Angeles	1962
	Allied Chemical Corporation; Mesa Products Plastics	1975
	Plaskon Electronic Materials Inc.; Plaskon Products; Plaskon Products div. Allied Chemical Corp.	1980–1990
West of Subject Property		
3216 Nebraska Ave	Art Group International; Purchase Service Ltd; Hirsch/Bedner Int'l Inc.; Elephant Shop	2010–2014
3220 Nebraska Ave	AMC USA LLC; Dellice Group LLC; Walden Structures LLC	2010–2014
3226 Nebraska Ave	Hirsch Product; Tono Studios Inc.	2010–2014
3228 Nebraska Ave	Ecology West Tech; Rated I Creative LLC; Woody Fraser Productions	2010–2014
3232 Nebraska Ave	Oracle Post Inc.; Lot 4 Partners Ltd; Lot 9 LP	2010
East of Subject Property		
12210 Nebraska Ave	Transco Products Inc. (Aircraft Equipment)	1962
	Per Sci Inc.	1980
	Multiple production and film studio companies	1991
	Big Time Picture Co; HDI Consulting; ½ Early Edition; Third Miracle Productions	2000
	Big Time Picture Co	2006
1744–1761 Wellesley Avenue	Various residential listings	1928–2006

10.3 Review of Title Information/Environmental Liens

A title report and search for environmental liens and activity use limitations was not performed as part of this Phase I ESA.

11 VAPOR ENCROACHMENT SCREENING

A vapor encroachment screen report was prepared using EDR's vapor encroachment worksheet (Appendix I). A "Tier I" Vapor Encroachment Screening (VES) was performed for the site in accordance with ASTM E 2600-10, "Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions." The Tier I VES was performed to evaluate whether there is a potential for vapors originating from contaminated soil and/or groundwater to occur in the subsurface below the existing and potential future on-site structures. For sites where a vapor encroachment condition (VEC) could not be ruled out but where reports of site sampling were available, those reports were used to evaluate the site (Tier 2 screening).

The EDR vapor encroachment worksheet evaluated types of soils, geology, and hydrology as well as listed contaminated sites as identified in federal, state, and local databases. Table 7 presents a summary of the VEC findings.

Table 7
Summary of Vapor Encroachment Screening Findings

Potential for Vapor Intrusion on Site	
Areas of Concern	*Conclusion*
Subject property (existing conditions)	VEC can be ruled out.
Subject property (former condition)	VEC cannot be ruled out.
Adjoining property or nearby property operations or existing conditions	VEC cannot be ruled out.
Historical uses of adjoining property or nearby properties	VEC cannot be ruled out.
Regulatory review of sites identified on federal, state, and local databases	VEC cannot be ruled out.

VEC cannot be ruled out for the subject property based on former conditions. Manufacturing occurred on the subject property from at least 1950 until 1989. Soil samples were collected in a limited soil investigation conducted in 2005 (Essentia 2005) in the area of the proposed new administration building. This area was described to be northeast of the existing administration building on the northeast portion of the property. A site map of the sampling was not available for review. The soil sample locations should be identified, and an investigation needs to be completed in potential areas of contamination (i.e., historical tank areas, pit areas, and manufacturing areas) before ruling out the potential for a VEC.

VEC cannot be ruled out for adjoining or nearby properties due to the presence of the Olympic Well Field contamination plume potentially beneath the subject property, Hudson Element groundwater contamination adjoining the subject property to the east, and 12210 ½ Nebraska Avenue Property groundwater, soil, and soil-gas contamination adjoining the subject property to the north.

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12 PUBLIC AGENCY RECORDS SEARCH REVIEW

A regulatory database search gives a listing of sites within a 1-mile radius of the subject property ("target property" is the term used by EDR) that are known to be chemical handlers, hazardous waste generators, or have confirmed or suspected releases of hazardous materials or petroleum products. Information in these listings includes the location of the site relative to the property, type of hazardous material at the site, and the status of the site. The search performed for this Phase I ESA was conducted in August 2018 by EDR. The database search report is included in Appendix J.

Table 8 describes which databases were searched and how many facilities were identified within those databases. The subject property is considered to be listing by addresses 12300 Nebraska Avenue and 12270 Nebraska Avenue.

Table 8
Regulatory Database Search Results for the Subject Property

Acronym	Database	Search Distance	Subject Property Listed?	Number of Sites Listed
NPL	National Priorities List (including proposed NPL sites)	1 mile	No	0
Delisted NPL	National Priority List Deletions	1 mile	No	0
CERCLIS-SEMS	Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) – Superfund Enterprise Management System	0.5 miles	No	1
CERCLIS NFRAP	CERCLIS No Further Remedial Action Planned	0.5 miles	No	30
CORRACTS	Resource Conservation and Recovery Act (RCRA) Corrective Action	1 mile	No	0
RCRA TSDF	RCRA - Transportation, Storage, and Disposal	0.5 miles	No	1
RCRA-LQG	RCRA Large Quantity Generators	0.25 miles	Yes	2
RCRA-SQG	RCRA Small Quantity Generators	0.25 miles	No	18
RCRA-CESQG	RCRA Conditionally Exempt Small Quantity Generators	0.25 miles	No	1
ERNS	Emergency Response Notification System	Target Property	No	0
US ENG CONTROLS	Sites with Engineering Controls	0.5 miles	No	0
US INST CONTROLS	Sites with Institutional Controls	0.5 miles	No	0
RESPONSE	State- and Tribal-Equivalent NPL	1 mile	No	1
ENVIROSTOR	State- and Tribal-Equivalent CERCLIS	1 mile	No	22
SWF/LF	State and Tribal Landfill and/or Solid Waste Disposal Site	0.5 miles	No	0
LUST	State and Tribal Leaking Storage Tank	0.5 miles	No	18

Table 8
Regulatory Database Search Results for the Subject Property

Acronym	Database	Search Distance	Subject Property Listed?	Number of Sites Listed
SLIC	State and Tribal Leaking Storage Tank	0.5 miles	No	13
Indian LUST	State and Tribal Leaking Storage Tank	0.5 miles	No	0
UST	State and Tribal Registered Storage Tank	0.25 miles	No	7
AST	State and Tribal Registered Storage Tank	0.25 miles	Yes	7
Indian UST	State and Tribal Registered Storage Tank	0.25 miles	No	0
FEMA UST	State and Tribal Registered Storage Tank	0.25 miles	No	0
LUCIS	Institutional Control/Engineering Control	0.5 miles	No	0
Indian VCP	State and Tribal Voluntary Cleanup	0.5 miles	No	0
VCP	State and Tribal Voluntary Cleanup	0.5 miles	No	2
US Brownfields	State and Tribal Brownfields	0.5 miles	No	0
SWEEPS UST	Statewide Environmental Evaluation and Planning System Underground Storage Tank	0.25 miles	Yes	16
HIST UST	Historical Underground Storage Tank	0.25 miles	Yes	18
FID UST	State Database of Registered USTs from Water Resources Control Board	0.25 miles	Yes	17
HIST CORTESE	Historical Hazardous Waste and Substances List	0.5 miles	No	16
HAZNET	Facility and Manifest Data	Target Property	Yes	2
RGA LUST	Recovered Government Archives Leaking Underground Storage Tank	Target Property	No	0
INDIAN RESERV	Indian Reservations	0.001 miles	No	0
EDR MGP	Manufactured Gas Plants	1 mile	No	0
EDR Hist Auto	Historic Auto Stations	0.125 miles	No	2
EDR Hist Cleaner	Historic Dry Cleaners	0.125 miles	No	2
Additional Environmental Records		Varies	Yes	16

12.1 Subject Property Database Listings

The subject property was listed in seven regulatory database records. These databases listings are discussed in Table 9. A determination as to whether or not the case would be considered a REC for the purposes of this Phase I ESA is included in Table 9.

Table 9
Regulatory Database Records for the Subject Property

Database Listing	Summary of Listing	REC?
12300 Nebraska Avenue (LADWP / West LA Service Center / W Los Angeles Distribution HQ)		
CA AST	LADWP has at least one AST registered at the subject property. A discussion of these ASTs is provided in Sections 6 and 13. The presence of the ASTs does not appear to be a REC.	No
CA HAZNET	LADWP reported generation and disposal of over 300 various types of hazardous wastes between 1993 and 2016. There are no violations reported with this listing; the type of waste, disposal method, amount, and year are summarized. This listing does not appear to be a REC.	No
RCRA-LQG	LADWP West LA Service Center reported a large quantity of hazardous waste generated in 2010. Wastes included inorganic solids, low pH liquids, ignitable wastes, and lead. A previous generator report (SQG) was also prepared in 1991, the details of which are not available in the EDR report. No violations were reported with this listing. This listing does not appear to be a REC.	No
FINDS	FINDS identified the subject property as a biennial hazardous waste reporter (also reported in CA HAZNET), and identified the site in ECHO (see entry below). This listing alone does not appear to be a REC.	No
ECHO	Enforcement and compliance history for the subject property includes the RCRA generator status, as described in the CA HAZNET and RCRA-LQG listings above. No violations are reported in this listing. This listing does not appear to be a REC.	No
CA SWEEPS UST CA FID UST	These databases track registered USTs. The site is registered on both sites, but there are no details regarding the type, age, and contents of the UST. The SWEEPS database is no longer updated or maintained. The CA FID UST database, which sources from the CWRCB, indicates an "inactive" status, generally referenced when a UST has been decommissioned or removed. Information obtained from the LACFD (Section 5.3.1) indicates USTs were previously located on the subject property. The 1999 Phase I ESA contains records of the removal of three USTs, an oil/water separator, and a fueling island (Parson 1999). See Section 9 of this report for details.	No
12270 Nebraska Avenue (Plaskon Electronic Matl Co Inc.)		
CA SWEEPS UST CA HIST UST CA FID UST	Hazardous Substance Storage Container Information Sheets were downloaded from GeoTracker (GeoTracker 2018). Those sheets, dated June 1988, indicate a 7,500-gallon acetone UST and a "product lagoon" were registered on the subject property. The tank was installed in 1959, while the lagoon was installed in 1978. The storage container details state the lagoon was 10-gauge double-walled carbon steel with an industrial enamel lining. The tank details are not known. A copy of the Information Sheets are provided in Appendix D. Additional information regarding USTs on this site were received from the LACFD, and are presented in Section 5.3.1. Information regarding the use and/or decommissioning of the "product lagoon" were not found. An "unstable materials pit" design was provided by LACFD, but the location, type of materials stored, and dates of use were not available. It is unknown if this is the same site feature. This represents a data gap.	Data Gap
RCRA NonGen	The site handled, but did not generate hazardous wastes. There are no violations associated with this listing. This listing does not appear to be a REC.	No
CA EMI	The site held an air quality permit in 1987. Additional details are provided in Section 5.3.4, South Coast Air Quality Management District. This listing does not appear to be a REC.	No
FINDS	FINDS identified the air quality permit reported under Toxics Release Inventory and the NonGen status under RCRA. This listing does not appear to be a REC.	No

Table 9
Regulatory Database Records for the Subject Property

Database Listing	Summary of Listing	REC?
ECHO	Enforcement and compliance history for the subject property include a Toxics Release Inventory report from 1988, and an inactive RCRA status. There are no violations reported. This listing does not appear to be a REC.	No

12.2 Other Site Database Listings

In all, 205 listings were identified within 1 mile of the subject property. Of these, 5 were determined to be potential RECs. The site name, address, database listings, relative location (approximate distance and direction) as measured from the nearest edge of the subject property, and discussion of the site status are included in Table 10. Based on distance from the subject property, known groundwater gradients, and status of the regulatory listing provided, the remaining sites do not appear to pose a REC to the subject property.

Table 10
Evaluation of Nearby Potential Recognized Environmental Conditions

Site Name and Address	Database Listings	Relative Location	Case Status	Flow Direction and Relative Gradient to Subject Property	REC?
Hudson Element LA UNK AGI Properties Teledyne Controls 12333 Olympic	**CPS-SLIC CA SWEEPS UST CA FID UST CA CPS-SLIC RCRA-SQG CA EMI**	**Adjoining to the east**	**Open – Site Assessment**	**Down/cross gradient from subject property (local gradients vary)**	**Yes**
Comments: The site was previously utilized by Packard Bell for manufacturing of radios and televisions. By 1970, the property was operated by Teledyne for manufacturing of electronic aviation devices. Solvents, petroleum hydrocarbons, and other hazardous raw and waste products were handled on site. The site was vacated in September 2007. Remediation activities began in 1996 and have continued through 2018, and included soil vapor extraction, soil excavation, natural attenuation, and soil, soil vapor, and groundwater monitoring. A Limited Conceptual Site Model (LCSM) was submitted to LARWQCB in 2017 (Citadel 2017). Chemicals of concern include 1,1-dichloroethane (DCA), 1,1-dichloroethylene (DCE), 1,1,1-trichloroethane (TCA), chloroform, tetrachloroethylene (PCE), and trichloroethylene (TCE). The highest concentrations of these contaminants were found in groundwater wells located on the west side of the site, and in an off-site well to the south. Based on groundwater monitoring activities conducted between 2005 and 2018, groundwater is found at approximately 40 feet bgs historical gradients have been mostly southerly, with varying localized gradients ranging from eastward to southwestward. Therefore the LCSM suggests off-site, upgradient sources of these contaminants, specifically suggesting migration from the former Plaskon site and LADWP (subject property). The 2018 Annual Groundwater Monitoring Report (Citadel 2018) was submitted to LARWQCB in March 2018, and requested full site closure and a no further action designation for soil and groundwater at the site. The results of this 2018 report show detected concentrations of TCE (max 16.6 ug/L), PCE (max 11.5 ug/L), 1,1-DCA (max 12.0 ug/L), and 1,4-Dioxane (max 2.52 ug/L) above regulatory maximum contaminant levels. The detected concentrations were in wells located within approximately 225 feet of the subject property. Documents available for this listing can be found on GeoTracker					

Table 10
Evaluation of Nearby Potential Recognized Environmental Conditions

Site Name and Address	Database Listings	Relative Location	Case Status	Flow Direction and Relative Gradient to Subject Property	REC?
(http://geotracker.waterboards.ca.gov/profile_report?global_id=SL2046M1652&mytab=esidata#esidata). The groundwater contamination identified at this site poses a REC to the subject property.					
12210 ½ Nebraska Avenue Property	**CA ENVIROSTAR CA VCP**	**Adjoining to the north**	**Open – Site Assessment**	**Cross-gradient from subject property**	**Yes**
Comments: This site was entered into a voluntary cleanup agreement in 2009, which was later terminated in 2010 due to non-compliance of the agreement. The site was then referred to the LARWQCB, and no further activities have been reported. Sampling on the site identified several volatile organic compounds (VOCs) in soil, soil-gas, and groundwater, including TCE and chloroform. TCE has been identified in groundwater at concentrations as high as 260 ug/L. Groundwater is approximately 40 feet bgs. The contamination is reportedly due to historical site activities, and the current operations are not contributing to the environmental condition of the site. A remedial investigation report was completed in 2010, but no other remediation activities have been reported. Based on groundwater studies completed on adjoining properties (see Hudson Element listing above), groundwater flows generally southward, and this site is up gradient from the subject property. Documents available for this listing can be found on EnviroStor https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60001101. The groundwater contamination identified at this site poses a REC to the subject property.					
Boeing Co. - Supercharger Medical Chemical Corporation 1909 Centinela	**CA CPS-SLIC CA SWEEPS UST CA HIST UST CA FID UST**	**Approx. 100 feet south**	**Closed – NFA received**	**Downgradient from subject property**	**HREC**
Comments: The site was operated by Douglas Aircraft from 1952 to 1970. Boeing acquired the property in 1997. The facility tested aircraft components. These operations used TCE, an electrical generator, fuel tank, and a clarifier. The site was subsequently operated by Medical Chemical Corporation, who installed a 7,830-gallon IPA UST and seven ASTs. ASTs, USTs and the clarifier previously present on the site are believed to have been removed prior to site redevelopment. Investigations conducted on the site in 1980 and 1981 revealed VOC contamination in the groundwater, including TCE. Investigations continued through 2007, and a Human Health Risk Assessment was conducted in 2008. LARWQCB issued a no further action (NFA) designation for the soils on the site in 2011, stating "significant VOC contamination and other contaminants have not been detected in soil or soil gas samples from the site." Subsequent groundwater studies were conducted, revealing detected levels of VOCs, including TCE, in groundwater beneath and downgradient from the site. The City of Santa Monica (City) acknowledged that this site was part of a system of aquifers that contribute to the Olympic Well Field. The City developed an Olympic Well Field Management Plan which utilizes two nearby drinking water wells to pump and treat the groundwater in this area. The City and Boeing entered a Settlement and Release Agreement in 2012, and the City took over restoration and replacement of groundwater through the Olympic Well Field Management Plan. The Boeing site subsequently received a NFA letter for groundwater in 2013. Supporting documents for this information can be found on GeoTracker, http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=SL0603761453. This individual site is considered a Controlled REC, because the site was closed by the LARWQCB, with the assumption that the groundwater contamination would be managed by the City. However, the Olympic Well Field is considered a REC to the subject property. More information on the Olympic Well Field is provided in Section 13.					

Table 10
Evaluation of Nearby Potential Recognized Environmental Conditions

Site Name and Address	Database Listings	Relative Location	Case Status	Flow Direction and Relative Gradient to Subject Property	REC?
CSHV Pen Factory Sanford/Paper Mate Gillette Co 1681 26th Street	**CA ENVIROSTOR CA CPS-SLIC FINDS ECHO CA ENF CA HIST CORTESE**	**Approximately ½ mile west**	**Open – Site Assessment**	**Cross to downgradient from the subject property**	**Yes**
Comments: This site was a clay quarry and brick firing facility until the mid-1950's. The mining pit was later used as a city landfill. In 1957, Paper Mate began manufacturing operations in one of the buildings on site. Numerous USTs and ASTs were on site, and wastewater was generated, treated, and discharged to the city sanitary sewer. Manufacturing began in 1968, which included plastic extrusion, sintering, grinding, ink manufacturing, product assembly, and nickel plating. Gillette occupied one of the former Paper Mate buildings beginning in 1982. Investigations conducted on the site revealed contamination of soil, soil-gas, and groundwater, including PCE and TCE in shallow and deep groundwater. Nearby City of Santa Monica water supply wells were impacted by this contamination. In-situ remediation of soil gas, groundwater, and soils began in 2009, and the site requested a NFA decision from LARWQCB in 2016. The NFA request letters indicate an agreement was made between Gillette and the City of Santa Monica for continuous groundwater treatment and monitoring through the Olympic Well Field Management Plan. A NFA has not been issued for this site, and land use restrictions have been issued by LARWQCB as part of the post-closure site management requirements. Supporting documents for this information can be found on GeoTracker, http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000006811, http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=SL2043C1560. Since this site is an open and ongoing case, it is considered a REC to the subject property.					
Santa Monica City Landfill II	**CA WMUDS/SWAT**	**Approximately ½ mile west**	**Closed**	**Downgradient**	**No**
The City Landfill is a former clay mining pit. The pit was subsequently used as a landfill by the City of Santa Monica from approximately 1948 to 1970. Municipal solid waste and incinerator ash were accepted. The disposal site was covered with 3 to 5 feet of final cover materials, but the site does not include engineering controls such as a liner, leachate collection and removal system, or landfill gas extraction system. A Solid Waste Assessment Test (SWAT) was completed by the LARWQCB in 1998 (LARWQCB 1998). Soil samples collected adjacent to and below the site did not detect VOCs or semi-volatile organic compounds (SVOCs). Sporadic detections of cis-1,2-DCE and TCE, and downgradient chromium were observed in groundwater, but these levels were below the existing applicable California Maximum Contaminant Levels (MCLs) for drinking water. Landfill gas and leachate indicator parameters indicated that neither leachate nor landfill gas impacted groundwater. Surface water samples did not reveal impacts from the landfill. Based on the information provided in the SWAT, the landfill does not appear to be a REC.					

12.3 Unmapped Sites

Unmapped sites are flagged by EDR but not mapped due to insufficient address information. They are usually included in the database search report because they are in the same zip code as the subject property. Two unmapped sites were listed in the EDR report. Both sites were listed in the SEMS-ARCHIVE database. This database tracks previously open cleanup sites. Assessment at these sites, to the best of EPA's knowledge, has been completed. Given EPA's determination regarding these types of sites, it is unlikely that these sites have impacted the environmental conditions of the subject property.

13 POTENTIAL HAZARDS AND ENVIRONMENTAL CONCERNS

Information regarding the following potential sources of hazards and hazardous material releases from the interview, site reconnaissance, and review of regulatory agency records is discussed below. Areas of concern are shown on Figure 3.

Agricultural Use

Based on a review of historical aerial photographs, the subject property was used for agricultural purposes until at least 1952. During this time, at least a portion of the subject property was owned by Consolidated Nurseries from 1943 to 1950 (Parsons 1999). The subject property is now completely developed and the surface soils have been disturbed and paved or constructed upon. Therefore, it is unlikely there are impacts to the subject property from former agricultural use (i.e., pesticides in the soils).

Tanks

During the Phase I ESA conducted in 1999 (Parsons 1999), two 2,000-gallon gasoline ASTs and one 2,000-gallon diesel AST with attached fuel nozzles, one 500-gallon waste oil AST at the truck shed and vehicle fleet maintenance shop, a three-stage oil/water separator at the wash rack, and a hazardous waste satellite accumulation area at the truck shed were observed on the subject property (Parsons 1999). The gasoline and diesel ASTs were observed during the 2018 site reconnaissance; the waste oil AST was not present during the 2018 site reconnaissance.

In February 1991, three USTs, a fueling station, and one oil/water separator were removed from the subject property (Parsons 1999). The USTs were 7,500-gallon gasoline, 2,000-gallon white gas, and 500-gallon waste oil tanks. Details of this removal are summarized in Section 9 of this report. The approximate tank locations are shown on Figure 3.

A 7,500-gallon acetone UST was installed in 1959 by Mesa Plastics. It was subsequently removed in 1985, to be replaced by an 8,000-gallon acetone double-walled UST installed by Plaskon Electronic the same year. The 8,000-gallon UST was removed in 1989 before demolition of all Plaskon buildings and termination of the company operations. Information regarding these tanks was received from LACFD, and is discussed in Section 5.3.1.

Chemicals

Based on regulatory records available, chemicals have been handled on the subject property since at least 1959. Chemical handling has included acetone, epoxys, phenols, diallylphthalate, acetone, oils and greases, silicone, silica compounds, tert-butyl peroxybenzoate, silane, resins,

diethylaminoethanol, sodium hydroxide, sodium sulfite, kerosene, antimony oxide, diamyl peroxide, and barium carbonate. The manufacturing operations that used these materials are no longer occurring on the subject property.

The subject property is currently registered in CalEPA as the West Los Angeles Service Center, Facility ID 85332 (FA0000806). Records include chemical storage facilities, aboveground petroleum storage, and generation of large quantities of hazardous waste (RCRA LQG). Chemical storage includes 42 reported materials, including greases, oils, paints, propane, and cleaners. A full list is provided in Appendix D.

Current operations on the subject property include overhead and underground power distribution and maintenance. Additional operations at the subject property include limited vehicle maintenance and damaged transformer storage pending proper waste characterization and disposal.

Asbestos-Containing Materials and Lead-Based Paint

According to the site representative (Section 5.1), the subject property was included in a lead-based paint and asbestos-containing materials survey in 2017. The interior and exterior of the office building and warehouse were abated for lead-based paint and asbestos-containing materials; the exteriors of the remaining buildings were also abated.

Manufacturing

The subject property was owned by a laboratory from 1950 to 1959, Mesa Plastics from 1959 to 1964, Allied Chemical Corporation from 1964 to 1979, and Plaskon Products/Plaskon Electronic Materials from 1979 until 1989 (Parsons 1999). The operations of these previous owners were reportedly plastic, chemical, and electronic manufacturing and formulation (Essentia 2005).

Adjoining properties have also been used as manufacturing and various industrial facilities since at least the 1960s. Due to these activities, groundwater contamination has been identified in multiple areas adjacent to and nearby the subject property. Details of these impacts are discussed in Section 12.2.

Wells

Groundwater monitoring wells were not discovered on the subject property during this Phase I ESA. Reportedly, there are no groundwater supply wells on the subject property.

Radon

The EDR report presents radon test results for the vicinity of the subject property. Ninety-four sites within zip code 90025 for Los Angeles were evaluated. Six sites had radon results greater than 4 pico curies per liter (pCi/L), which is the established EPA Action Level. The Federal EPA Radon Zone for Los Angeles County is 2, which corresponds with indoor average radon levels of ≥ 2 pCi/L and ≤ 4 pCi/L.

Off-Site Sources – Olympic Well Field

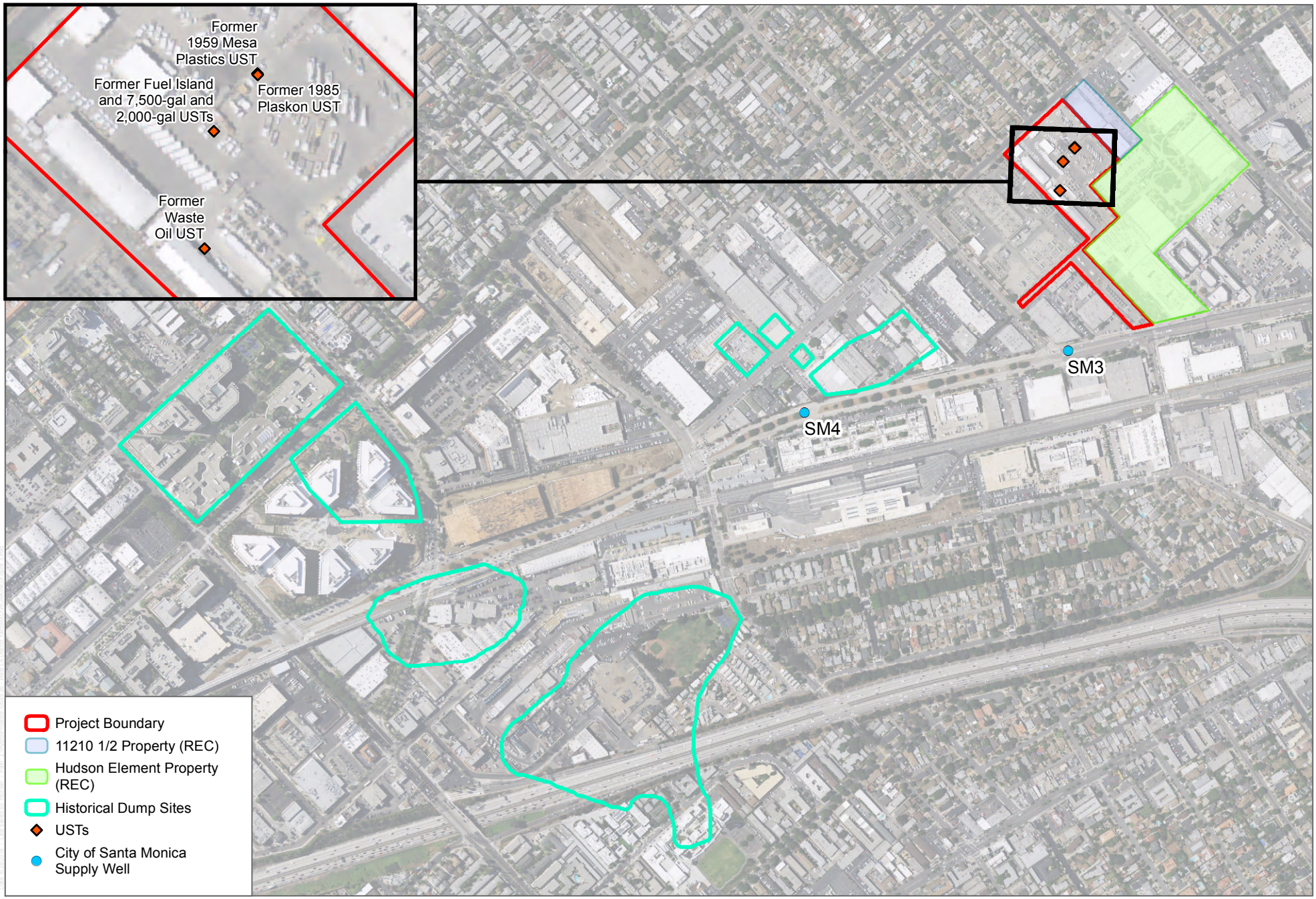
The Olympic Well Field is located in an area formerly occupied by a number of industrial facilities, including those within the ASTM search radius for the subject property (see Section 12.2). These industrial activities contributed to elevated levels of VOCs, including TCE, PCE, and 1,4-dioxane. The VOCs eventually impacted the City of Santa Monica (City) supply wells located downgradient of the source areas. Around 2011, The Olympic Well Field Management Plan was implemented by the City to prevent migration of VOCs in the deeper water-bearing zones; it included groundwater monitoring and pumping and treating of the affected production wells. The City entered into settlement agreements with responsible parties located within the Olympic Well Field that were potential or confirmed contributors of the groundwater contamination. These agreements allowed the City to gain full rights and responsibility to replace and restore the groundwater within the Olympic Well Field, with funds provided by the industrial contributors.

Groundwater in the area is found in three zones: A, B, and C. The A-zone aquifer (shallow aquifer) does not appear in the supply wells. However, shallow groundwater has been observed adjacent to the subject property at approximately 40 feet bgs. Groundwater measurements of the supply wells conducted in January 2017 indicate groundwater depths in the B-zone and C-zone aquifers between approximately 106 feet bgs to 182 feet bgs. Due to drawdown from the supply wells, the B- and C-zone groundwater flow trends toward the two wells (southwest from the subject property), and the wells have a combined radius of influence of approximately 5,000 feet. It is estimated that the VOC contamination is located within this radius (ICF 2017).

The subject property is located within the drawdown radius; the closest production well, SM-3, is located approximately 360 feet west of the subject property in Olympic Boulevard. The First Quarter 2017 Olympic Well Field Groundwater Monitoring Report (ICF 2017) shows a map of monitoring wells that are used to monitor the well field. The nearest monitoring wells to the subject property are approximately 90 feet to the south in Olympic Boulevard (OB-13C) and 950 feet to the west in Franklin Street (OB-12B). Concentrations of TCE, PCE, and 1,4-dioxane were not detected in OB-13C in the first quarter monitoring event. Concentrations of chloroform,

PCE, and 1,4-dioxane in OB-12B were 2.0 ug/L, 52 ug/L, and 2.9 ug/L, respectively. TCE was not detected.

Based on the radius of influence and proximity of detected concentrations of VOCs in groundwater, the contamination associated with the Olympic Well Field presents a REC to the subject property.



SOURCE: NAIP

DUDEK

0 400 800 Feet

FIGURE 3

Areas of Concern

West LA District Yard Phase I Environmental Site Assessment

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14 CONCLUSIONS AND RECOMMENDATIONS

The subject property consists of approximately 6.3 acres of land located at 12270 and 12300 Nebraska Avenue in Los Angeles, California. The subject property is located on APNs 4259-018-901, 4259-019-900, and a portion of 4259-018-902. The subject property is bordered to the north by Nebraska Avenue, to the south by West Olympic Boulevard, and to the east and west by industrial properties. The subject property is currently used as a vehicle maintenance facility for LADWP.

The subject property was agricultural land from at least 1928 until 1950 (including operation as Consolidated Nurseries from 1943 to 1950), at which time industrial development began. The majority of the industrial activities occurred on 12270 Nebraska Avenue (APN 4295-018-901). The subject property operated as Riker Laboratories from 1950 to 1959, Mesa Plastics from 1959 until 1964, Allied Chemical Company from 1964 until 1979, Plaskon Electronic Materials from 1979 until 1989, and LADWP headquarters (at 12300 Nebraska Avenue) beginning in 1989.

The surrounding area was agricultural with some commercial development to the east and west, and residential development to the north, beginning in at least 1928. Clay pits and brick-firing facilities began to the west of the subject property in the early 1930s, extending through the early to mid-1950s, at which time the pits were filled with solid waste and subsequently covered. The area was commercially and industrially developed by the mid-1960s to the south, east, and west, and residential development continued to the north.

Dudek performed this Phase I ESA of the subject property in conformance with the scope and limitations of ASTM Practice E1527-13. This report summarizes the research and findings of the Phase I ESA. This assessment revealed RECs, Controlled RECs, and data gaps associated with the subject property, as discussed in the sections below.

14.1 Recognized Environmental Conditions

On-Site Soil Contamination

A limited soil investigation was conducted on the subject property, the findings of which were reported in the Final Site Investigation Report prepared by Essentia Management Services in 2005 (Essentia 2005). The investigation was conducted in the proposed location of a new Administration Building at the northeast portion of the subject property, northeast of the current office building. At the time of the study, the area was used as a parking lot. Eight direct-push borings were advanced to a depth of 8 feet below ground surface in this area. Samples from each boring were submitted for chemical analysis. The site investigation identified the following:

- Arsenic was detected above PRGs and TTLCs, and estimated regional background concentrations.
- Vanadium was detected above residential PRG and regional background concentrations, but not above industrial PRG or TTLC concentrations.
- Beryllium, cadmium, chromium, cobalt, coper, molybdenum, nickel, selenium, and zinc were detected above regional background concentrations.

Thus, the elevated concentrations of metals above background and, for some, above regulatory action levels, represents a REC to the subject property.

Hudson Element – Adjoining Property

A Limited Conceptual Site Model (LCSM) of this site identified 1,1-DCA, 1,1-DCE, 1,1,1-TCA, chloroform, PCE, and TCE in the soil and groundwater beneath the site (Citadel 2017). The highest concentrations of these contaminants were found in groundwater wells located on the west side of the site, and in an off-site well to the south. Groundwater is found at approximately 40 feet bgs, and historical gradients have been mostly southerly, with varying localized gradients ranging from eastward to southwestward. Based on the groundwater gradients, the LCSM suggests off-site, upgradient sources of these contaminants, specifically suggesting migration from the former Plaskon site and LADWP (subject property). A March 2018 groundwater sampling event showed concentrations of TCE (max 16.6 ug/L), PCE (max 11.5 ug/L), 1,1-DCA (max 12.0 ug/L), and 1,4-dioxane (max 2.52 ug/L) above regulatory maximum contaminant levels (Citadel 2018). The detected concentrations were in wells located within approximately 225 feet of the subject property. Thus, the groundwater contamination identified at this site poses a REC to the subject property.

12210 ½ Nebraska Avenue – Adjoining Property

Sampling on the site identified several VOCs in soil, soil-gas, and groundwater, including TCE and chloroform. TCE levels have been identified in groundwater at concentrations as high as 260 ug/L. Groundwater is approximately 40 feet bgs. The contamination is reportedly due to historical site activities, and the current operations are not contributing to the environmental condition of the site. A remedial investigation report was completed in 2010, but no other remediation activities have been reported. This site was entered into a voluntary cleanup agreement in 2009, which was later terminated in 2010 due to non-compliance of the agreement. The site was then referred to the LARWQCB, and no further activities have been reported. Based on groundwater studies completed on adjoining properties, groundwater flows generally

southward, and this site is up gradient from the subject property. Thus, the groundwater contamination identified at this site poses a REC to the subject property.

CSHV Pen Factory – Nearby Property

This site was a clay quarry and brick firing facility until the mid-1950s, then a landfill, then manufacturing operations began in 1957. Investigations conducted on the site revealed contamination of soil, soil-gas, and groundwater, including PCE and TCE in shallow and deep groundwater. Nearby City water supply wells were impacted by this contamination. In-situ remediation of soil gas, groundwater, and soils began in 2009, and the site requested a NFA decision from LARWQCB in 2016. The NFA request letters indicate an agreement was made between Gillette and the City for continuous groundwater treatment and monitoring through the Olympic Well Field Management Plan. An NFA has not been issued for this site, and land use restrictions have been issued by LARWQCB as part of the post-closure site management requirements. Since this site is still an open and ongoing case, Dudek believes it is considered a REC to the subject property.

Off-Site Sources – Olympic Well Field

The Olympic Well Field is located in an area formerly occupied by a number of industrial facilities. These industrial activities contributed to elevated levels of VOCs, including TCE, PCE, and 1,4-dioxane. The VOC contamination eventually impacted the City supply wells located downgradient of the contamination. Around 2011, the Olympic Well Field Management Plan was implemented by the City to prevent migration of VOCs in the deeper water-bearing zones. It included pumping and treating the groundwater, and monitoring the VOC contamination plume. Groundwater in the area is found in three zones, A, B, and C (shallow to deep, respectively). Due to drawdown from the supply wells, the B- and C-zone groundwater flow trends toward the two wells (southwest from the subject property), and the wells have a combined radius of influence of approximately 5,000 feet. It is estimated that the VOC contamination is located within this radius (ICF 2017). The subject property is located within the drawdown radius; the closest production well, SM-3, is located approximately 360 feet west of the subject property in Olympic Boulevard. The first quarter 2017 monitoring revealed concentrations of chloroform, PCE, and 1,4-dioxane in OB-12B (950 feet west of the subject property) were 2.0 ug/L, 52 ug/L, and 2.9 ug/L, respectively. TCE was not detected. Based on the radius of influence and proximity of detected concentrations of VOCs in groundwater, the contamination associated with the Olympic Well Field presents a REC to the subject property.

14.2 Controlled Recognized Environmental Conditions

Boeing Supercharger – Nearby Property

Groundwater studies revealed VOCs, including TCE, in groundwater beneath and downgradient from the site. The City acknowledged that this site was part of the Olympic Well Field. The City and Boeing entered a Settlement and Release Agreement in 2012, and the City took over restoration and replacement of groundwater through the Olympic Well Field Management Plan. The Boeing site subsequently received an NFA letter for groundwater in 2013. This individual site is considered a Controlled REC because it was closed by the LARWQCB, with the assumption that the groundwater contamination would be managed by the City.

14.3 Data Gaps

Unstable Materials Pit and Product Lagoon

Records indicate a "product lagoon" installed on the subject property in 1978. The lagoon was reportedly 10-gauge double-walled carbon steel with an industrial enamel lining. The tank details are not known.

A diagram of an "unstable materials pit" for Allied Chemical Co., dated January 18, 1978, was on file with the LACFD. The diagram states the pit will hold tertiary butyl perbenzoate and dicumyl peroxide. The location of this pit is not shown.

There is not enough detail regarding these features to determine if they are the same feature, how long they were present on the subject property, or if they had an environmental impact to the subject property. This lack of information presents a data gap; thus, there is not enough information to determine if it would be considered a REC.

EPA Aerial Photograph Report

Dudek reviewed the EPA Aerial Photographic Analysis of the Santa Monica Groundwater Area (EPA 1996). The coverage area included the subject property. In summary, clay mining operations were present in the 1930s, west of the subject property, and continued in the northern portion of the area until 1952 to 1958, followed by dumping in the open pit areas. By 1975 all excavations had been filled and commercial and industrial buildings had been constructed. Eight of these sites are located within a 1-mile radius of the subject property. These areas were considered potential areas of groundwater contamination by EPA, but additional information regarding the presence or absence of contamination at these sites was not identified during this

Phase I ESA. This lack of information presents a data gap; thus, there is not enough information to determine if it would be considered a REC.

Vapor Encroachment Condition

VEC cannot be ruled out for the subject property based on former conditions. Manufacturing occurred on the subject property from at least 1950 until 1989. Soil samples were collected in a limited soil investigation conducted in 2005 (Essentia 2005) in the area of the proposed new administration building. This area was described to be northeast of the existing administration building on the northeast portion of the property. A site map of the sampling was not available for review. The soil sample locations need to be identified, and an investigation should be completed in potential areas of contamination (i.e. historical tank areas, pit areas, and manufacturing areas) before ruling out the potential for VEC.

VEC cannot be ruled out for adjoining or nearby properties due to the presence of the Olympic Well Field contamination plume potentially beneath the subject property, Hudson Element groundwater contamination adjoining the subject property to the east, and 12210 ½ Nebraska Avenue Property groundwater, soil, and soil-gas contamination adjoining the subject property to the north.

These potential VECs present a data gap; thus, there is not enough information to determine if this would be considered a REC.

14.4 Recommendations

Given these RECs and areas of concern, Dudek has the following recommendations.

Soil and Groundwater Contamination

Dudek recommends a subsurface soil and groundwater investigation be conducted on the subject property in order to determine if contamination exists beneath the subject property. The subsurface investigation should include, but may not be limited to, areas of the subject property where hazardous materials, tanks, manufacturing areas, and off-site contamination sources have been identified.

Pit/Lagoon Area

Dudek recommends a subsurface investigation be conducted on the subject property in the area of the former Allied Chemical Company operations to determine the presence or absence of the former “product lagoon” and/or “unstable materials pit.”

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15 LIMITATIONS

The following data gaps, which are not considered significant, were identified for this Phase I ESA:

- Dudek did not receive a response from the DTSC regarding a request for records for the subject property.

The findings and conclusions presented in this report are professional opinions based solely on the indicated data described in this report, visual observations of the subject property and vicinity, and our interpretation of the available historical information and documents reviewed. Dudek makes no warranty as to the accuracy of statements made by others or the accuracy of information included in documentation reviewed in connection with this study. This study was not intended to be a definitive investigation of potential contamination at the subject property, and the recommendations do not necessarily include all conditions that may be present. Because the scope of the investigation was limited, it is possible that currently unrecognized conditions or contamination might exist at the subject property.

No warranties or guarantees or representations, expressed or implied, are made by Dudek, except that this report has been prepared in accordance with current generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professionals performing the same or similar services. The conclusions are intended exclusively for the purpose outlined herein, and may not be suitable to satisfy the needs of other users. Thus, any use or reuse of this document is at the sole risk of said user.

In accordance with ASTM Standard E 1527-13, this Phase I ESA is valid for 180 days. After 180 days, this report, or the information presented in this report, must be updated in accordance with the ASTM Standard.

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APPENDIX A

Qualifications of Environmental Professionals

APPENDIX A
Qualifications of Environmental Professionals

Environmental Professional	Professional License	Degree(s)	Years Experience	Task Performed
Glenna McMahon	Professional Engineer, State of California	B.S., Civil Engineering, University of Vermont	19	Report Preparation/Review, QA/QC
Audrey Herschberger	Professional Engineer, State of Oregon	B.S., Chemical Engineering, Oregon State University	8	Report Preparation
Susie Smith	Professional Geologist, State of California	B.S., Geological Sciences, California State University Fullerton	16	Site Reconnaissance, Report Preparation

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APPENDIX B

Historical Topographic Map Report

12300 Nebraska Avenue

12300 Nebraska Avenue

Los Angeles, CA 90025

Inquiry Number: 5381550.4

August 02, 2018

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

08/02/18

Site Name:	Client Name:
12300 Nebraska Avenue	Dudek & Associates
12300 Nebraska Avenue	605 Third Street
Los Angeles, CA 90025	Encinitas, CA 92024
EDR Inquiry # 5381550.4	Contact: Susie Smith

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Dudek & Associates were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# 10649

Project: West LA District Yard

Coordinates:

Latitude:	34.033501 34° 2' 1" North
Longitude:	-118.45953 -118° 27' 34" West
UTM Zone:	Zone 11 North
UTM X Meters:	365263.02
UTM Y Meters:	3766831.11
Elevation:	160.94' above sea level

Maps Provided:

2012	1925
1995	1921
1994	1920
1981	1902
1972	1900
1966	1898
1950	1896
1934	1894

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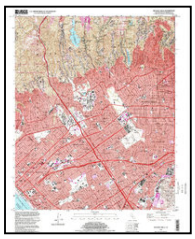
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets

Beverly Hills
2012
7.5-minute, 24000

1995 Source Sheets

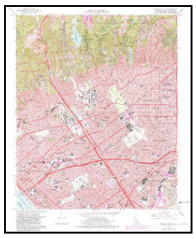


Beverly Hills
1995
7.5-minute, 24000
Aerial Photo Revised 1978

1994 Source Sheets

Beverly Hills
1994
7.5-minute, 24000
Aerial Photo Revised 1978

1981 Source Sheets



Beverly Hills
1981
7.5-minute, 24000
Aerial Photo Revised 1978

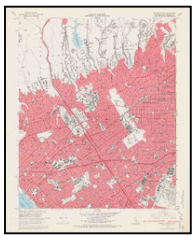
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1972 Source Sheets

Beverly Hills
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1966 Source Sheets



Beverly Hills
1966
7.5-minute, 24000
Aerial Photo Revised 1964

1950 Source Sheets

Beverly Hills
1950
7.5-minute, 24000
Aerial Photo Revised 1947

1934 Source Sheets

Sawtelle
1934
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

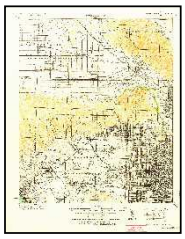
1925 Source Sheets

Sawtelle
1925
7.5-minute, 24000

1921 Source Sheets

Santa Monica
1921
15-minute, 62500

1920 Source Sheets



SANTA MONICA
1920
15-minute, 62500

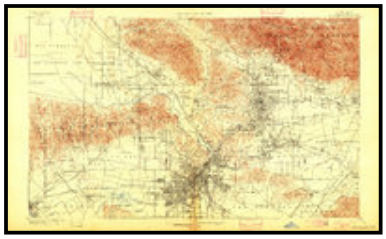
1902 Source Sheets

Santa Monica
1902
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1900 Source Sheets



Los Angeles
1900
15-minute, 62500

1898 Source Sheets

Santa Monica
1898
15-minute, 62500

1896 Source Sheets

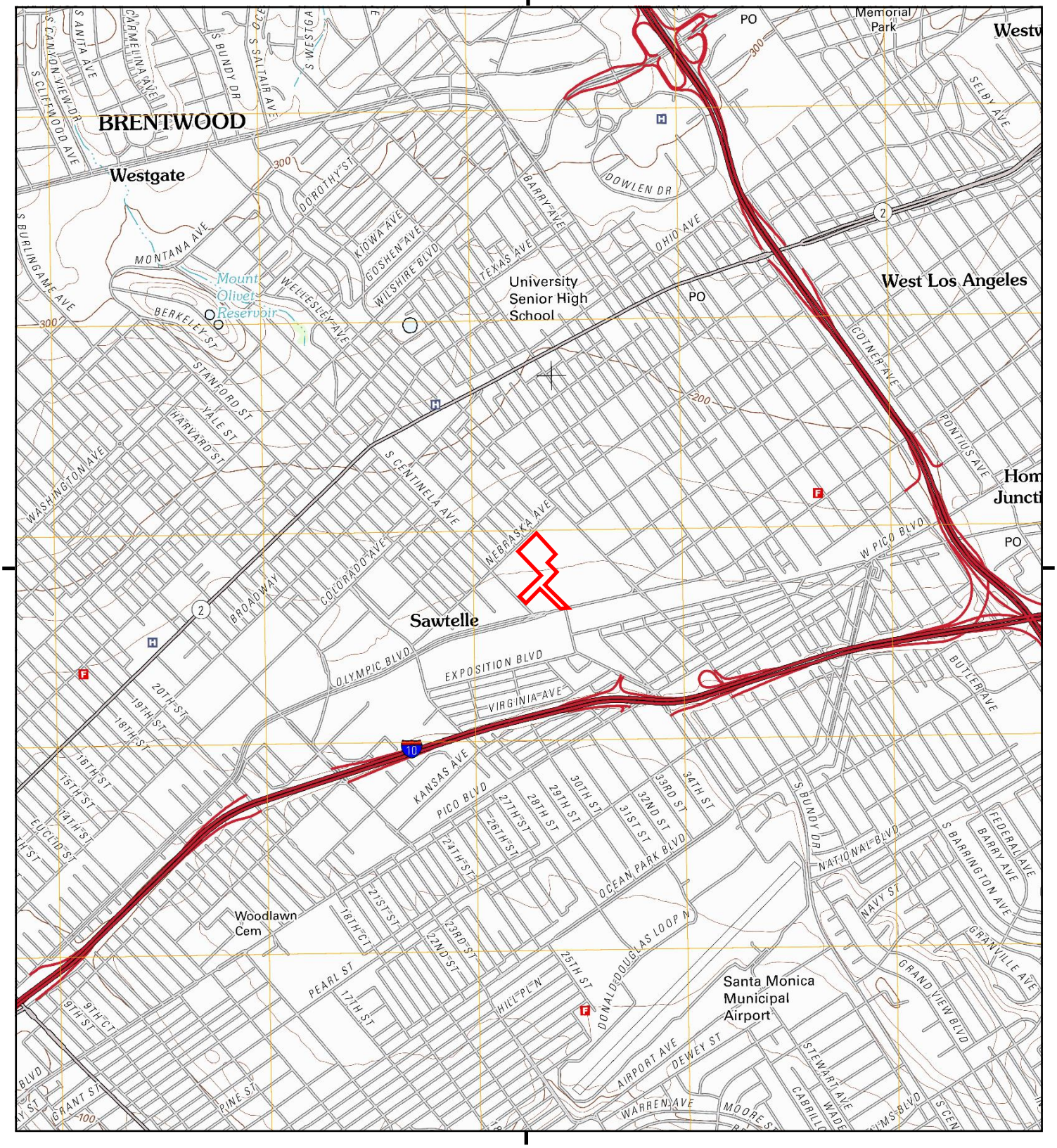
Santa Monica
1896
15-minute, 62500

1894 Source Sheets

Los Angeles
1894
15-minute, 62500

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

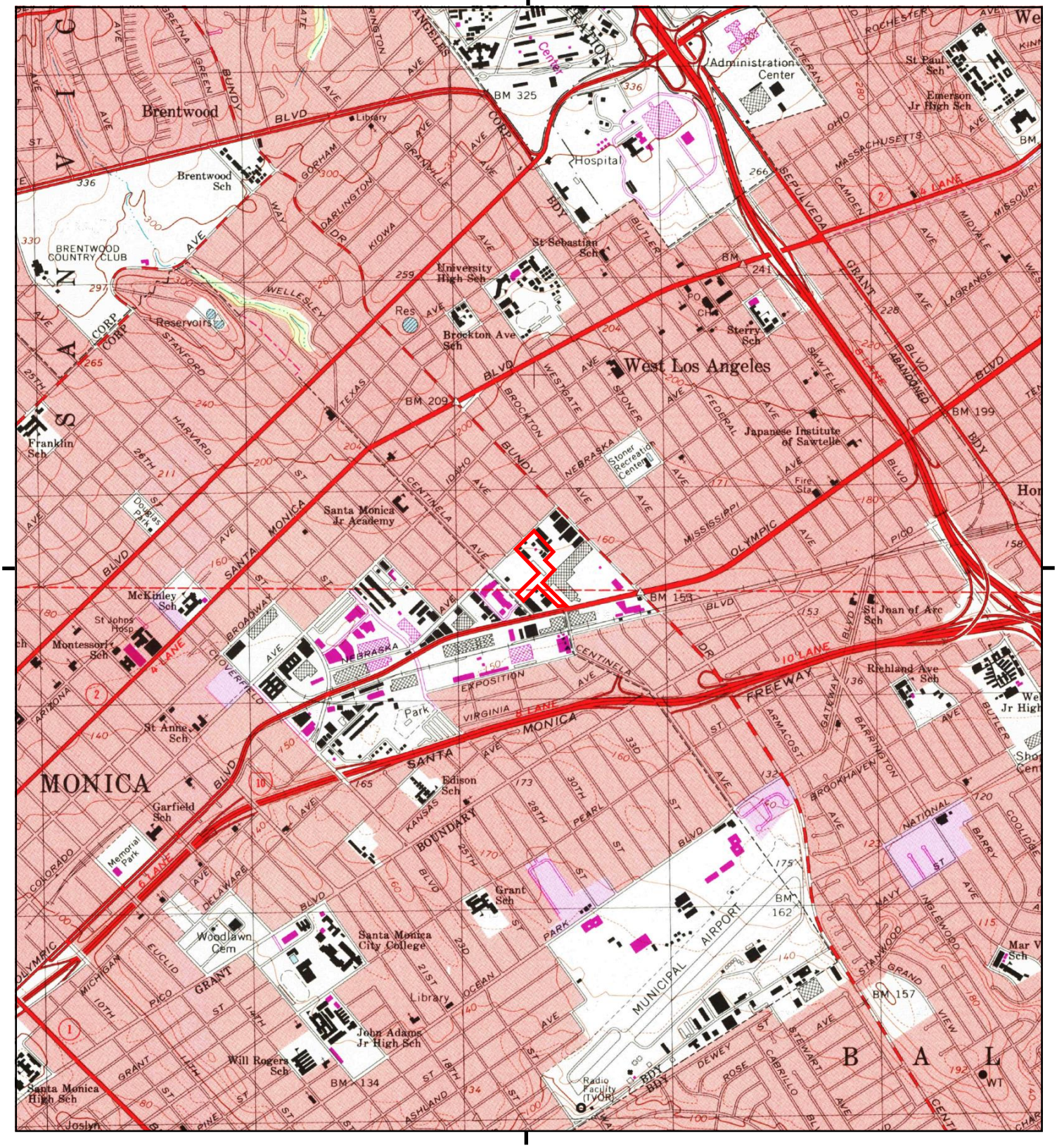
TP, Beverly Hills, 2012, 7.5-minute

SITE NAME: 12300 Nebraska Avenue
ADDRESS: 12300 Nebraska Avenue
Los Angeles, CA 90025
CLIENT: Dudek & Associates

N

Historical Topo Map

1995



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

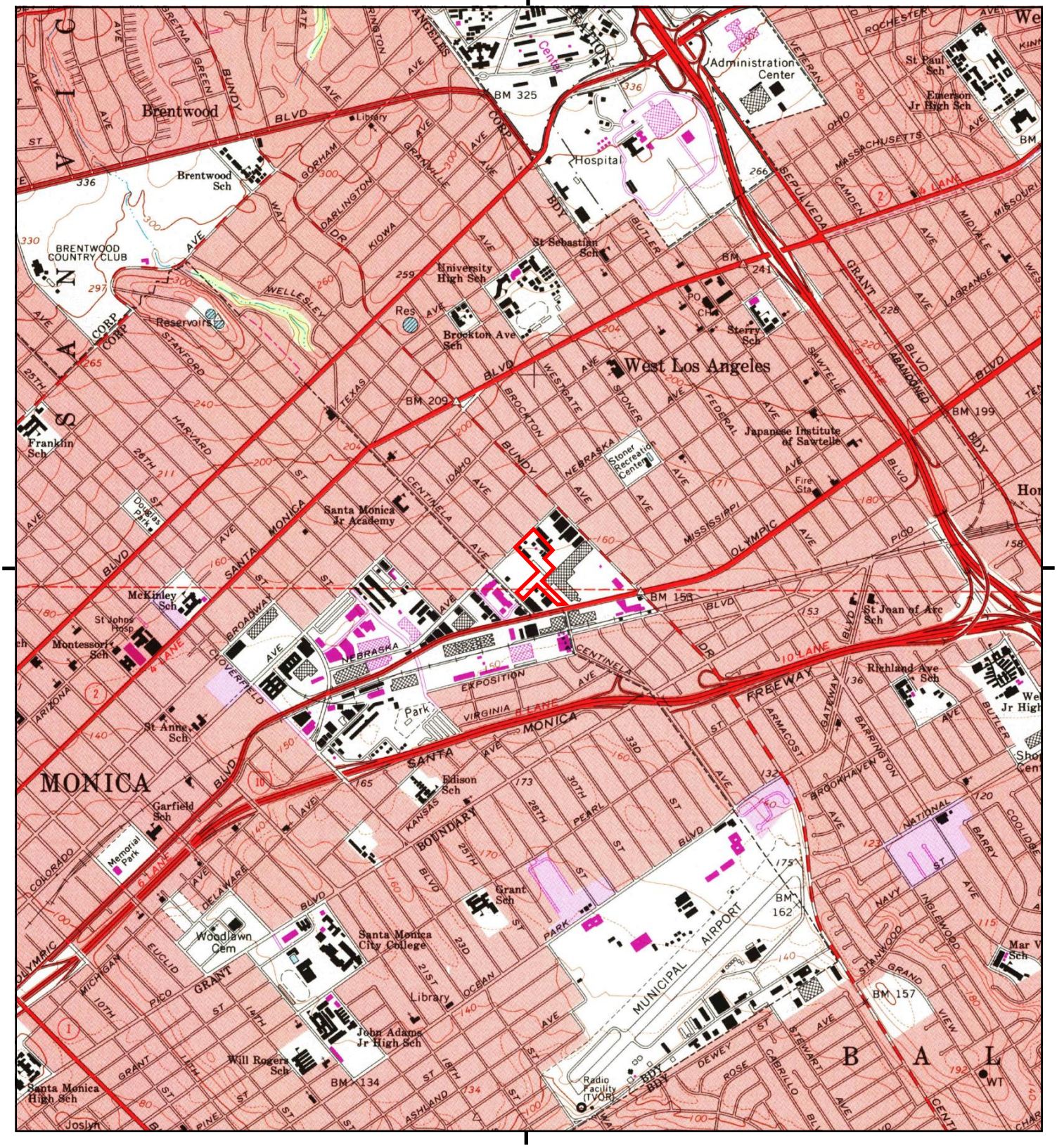
TP, Beverly Hills, 1995, 7.5-minute

SITE NAME: 12300 Nebraska Avenue
ADDRESS: 12300 Nebraska Avenue
Los Angeles, CA 90025
CLIENT: Dudek & Associates

N

Historical Topo Map

1994



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

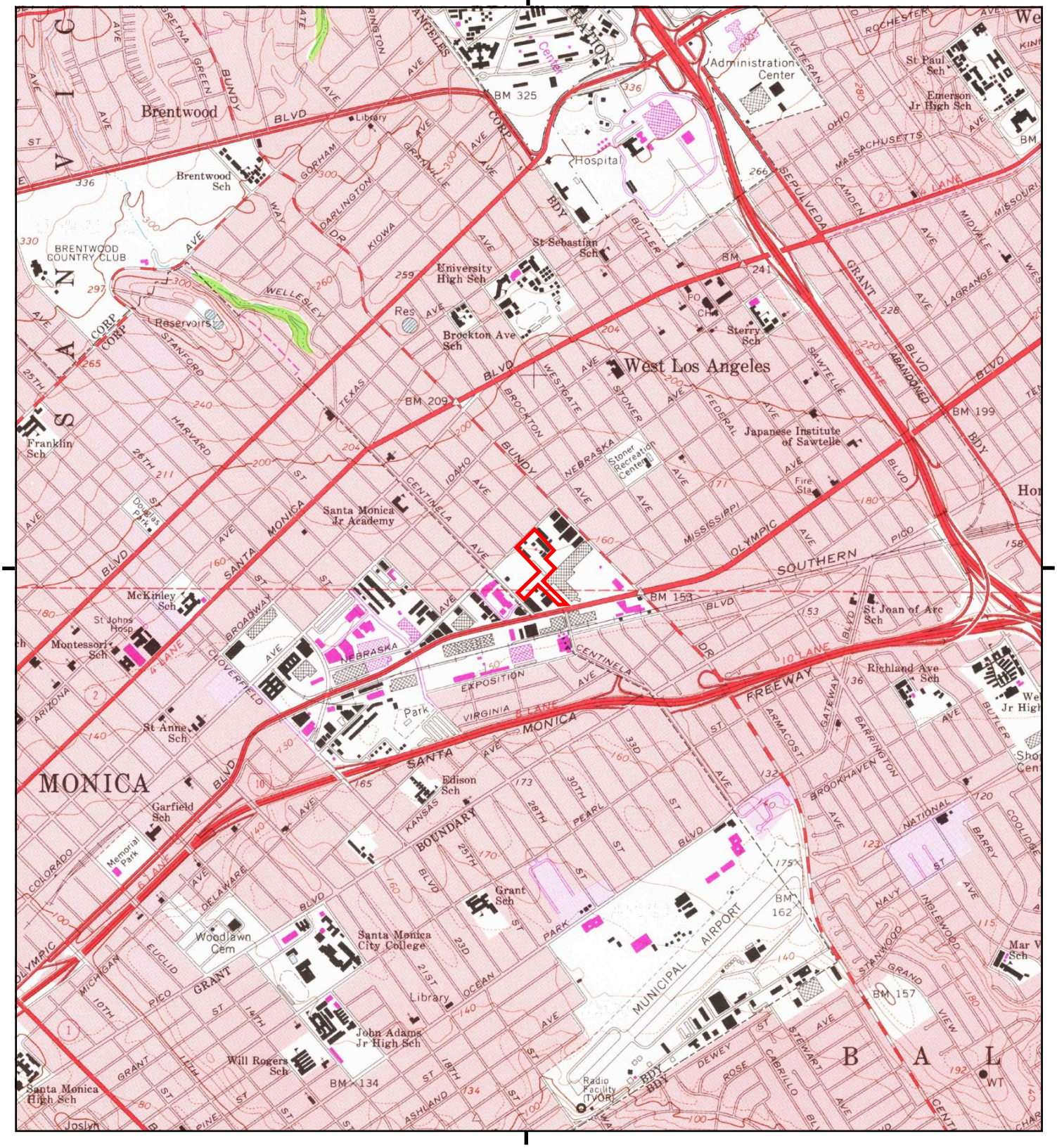
TP, Beverly Hills, 1994, 7.5-minute

SITE NAME: 12300 Nebraska Avenue
ADDRESS: 12300 Nebraska Avenue
Los Angeles, CA 90025
CLIENT: Dudek & Associates

N

Historical Topo Map

1981



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

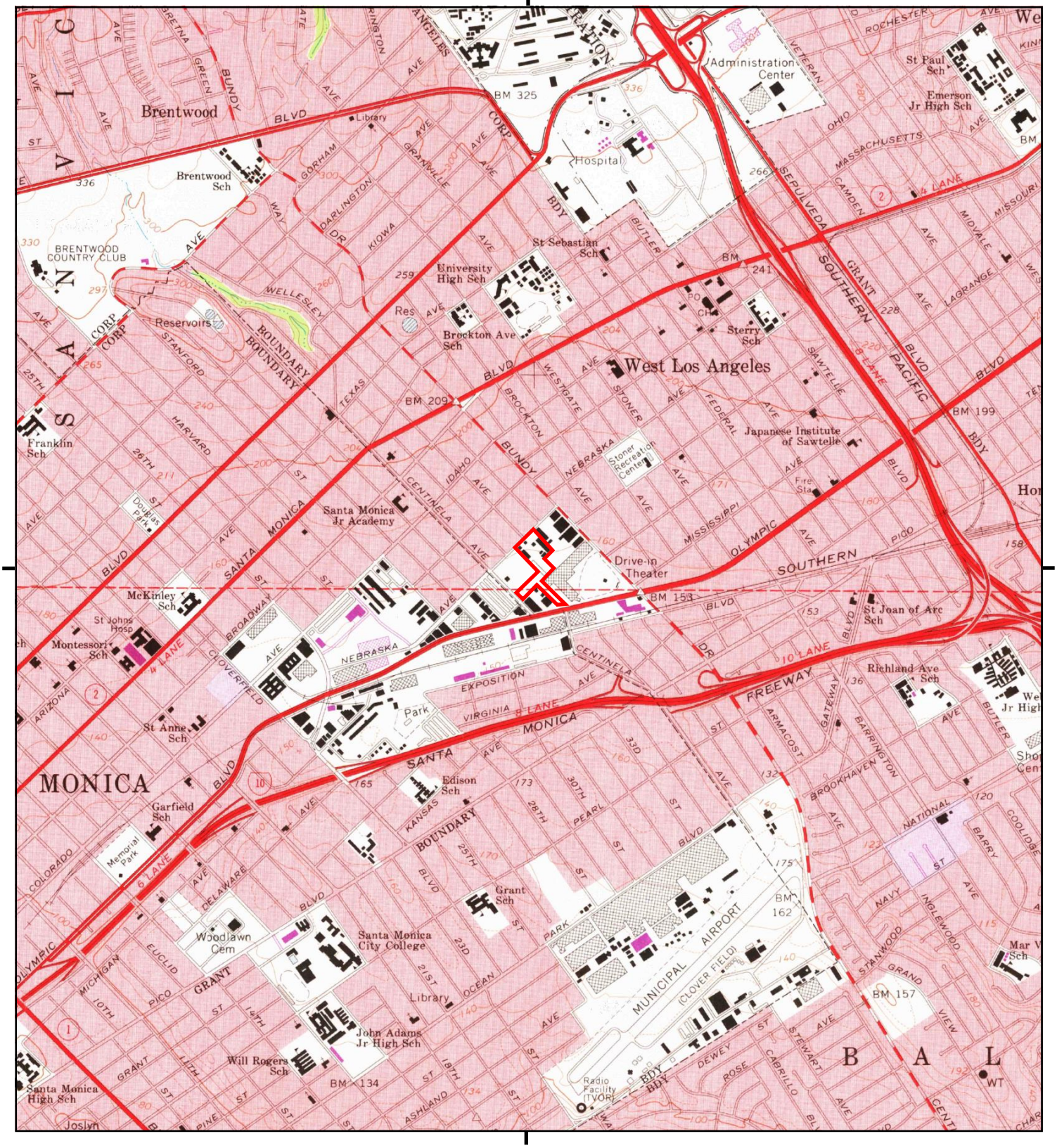
TP, Beverly Hills, 1981, 7.5-minute

SITE NAME: 12300 Nebraska Avenue
ADDRESS: 12300 Nebraska Avenue
Los Angeles, CA 90025
CLIENT: Dudek & Associates

N

Historical Topo Map

1972



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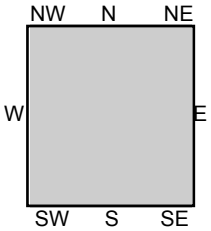
0 Miles 0.25 0.5 1 1.5



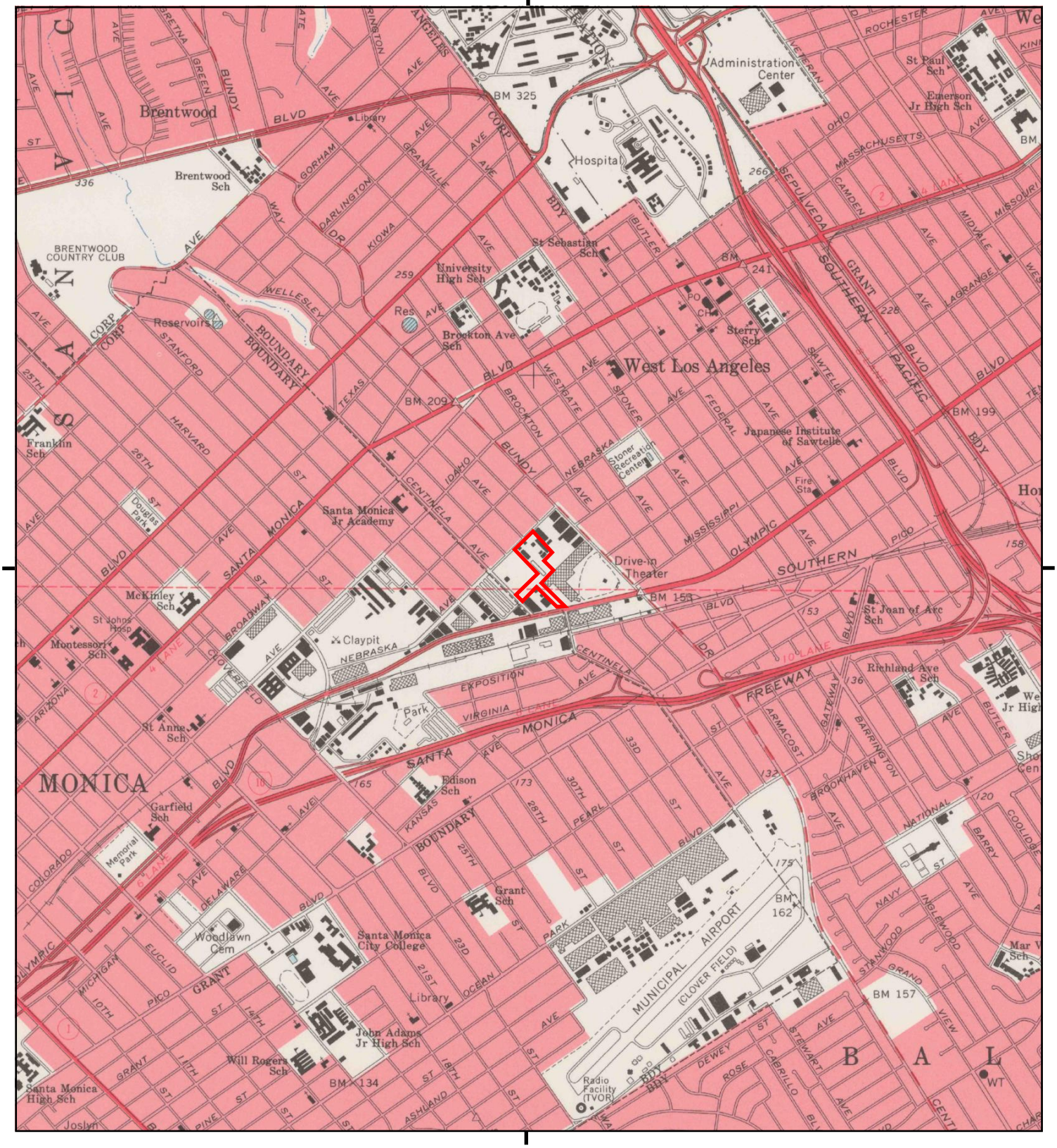
TP, Beverly Hills, 1972, 7.5-minute

SITE NAME: 12300 Nebraska Avenue
ADDRESS: 12300 Nebraska Avenue
Los Angeles, CA 90025
CLIENT: Dudek & Associates

N

Historical Topo Map

1966



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

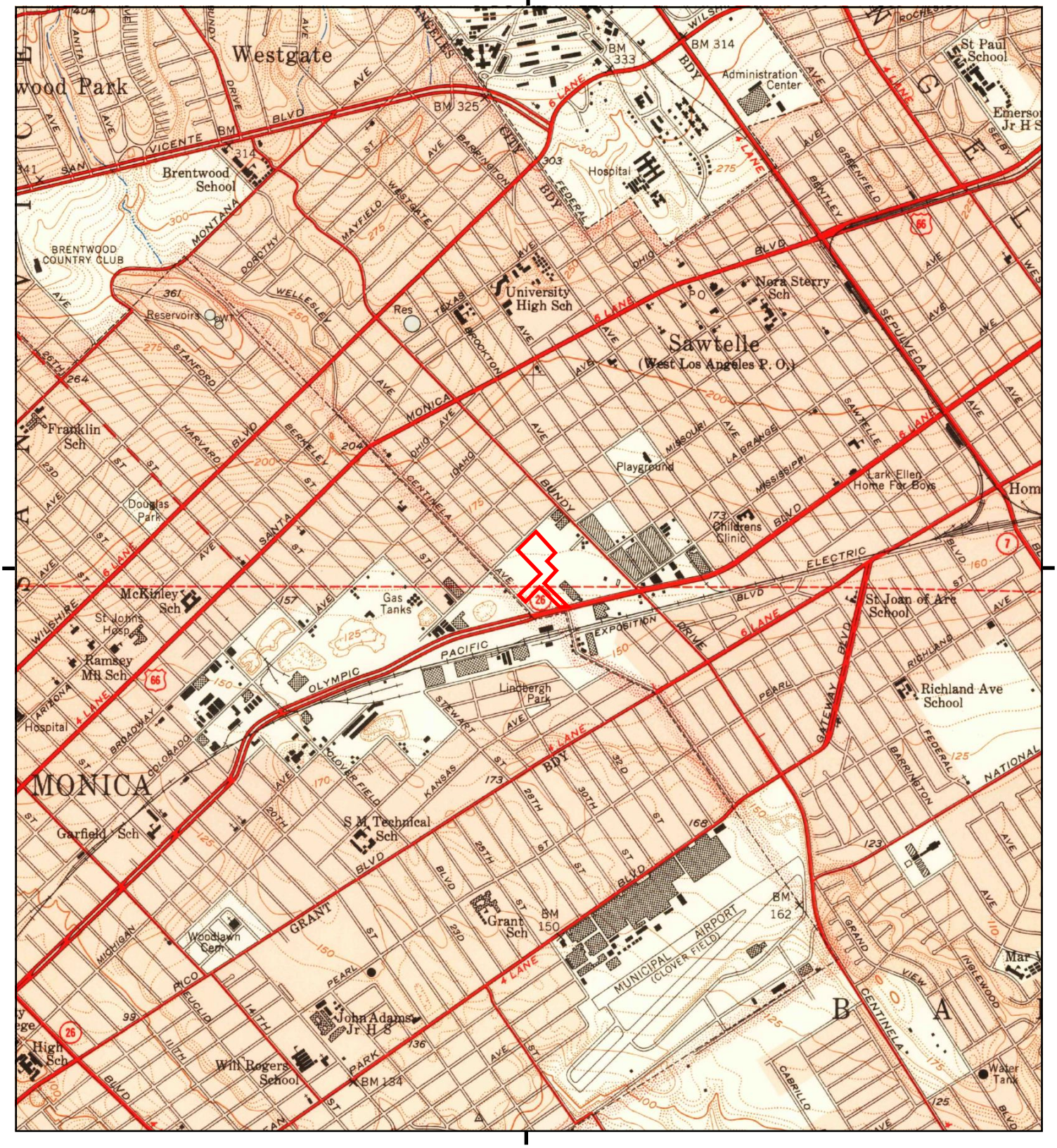
TP, Beverly Hills, 1966, 7.5-minute

SITE NAME: 12300 Nebraska Avenue
ADDRESS: 12300 Nebraska Avenue
Los Angeles, CA 90025
CLIENT: Dudek & Associates

N

Historical Topo Map

1950



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

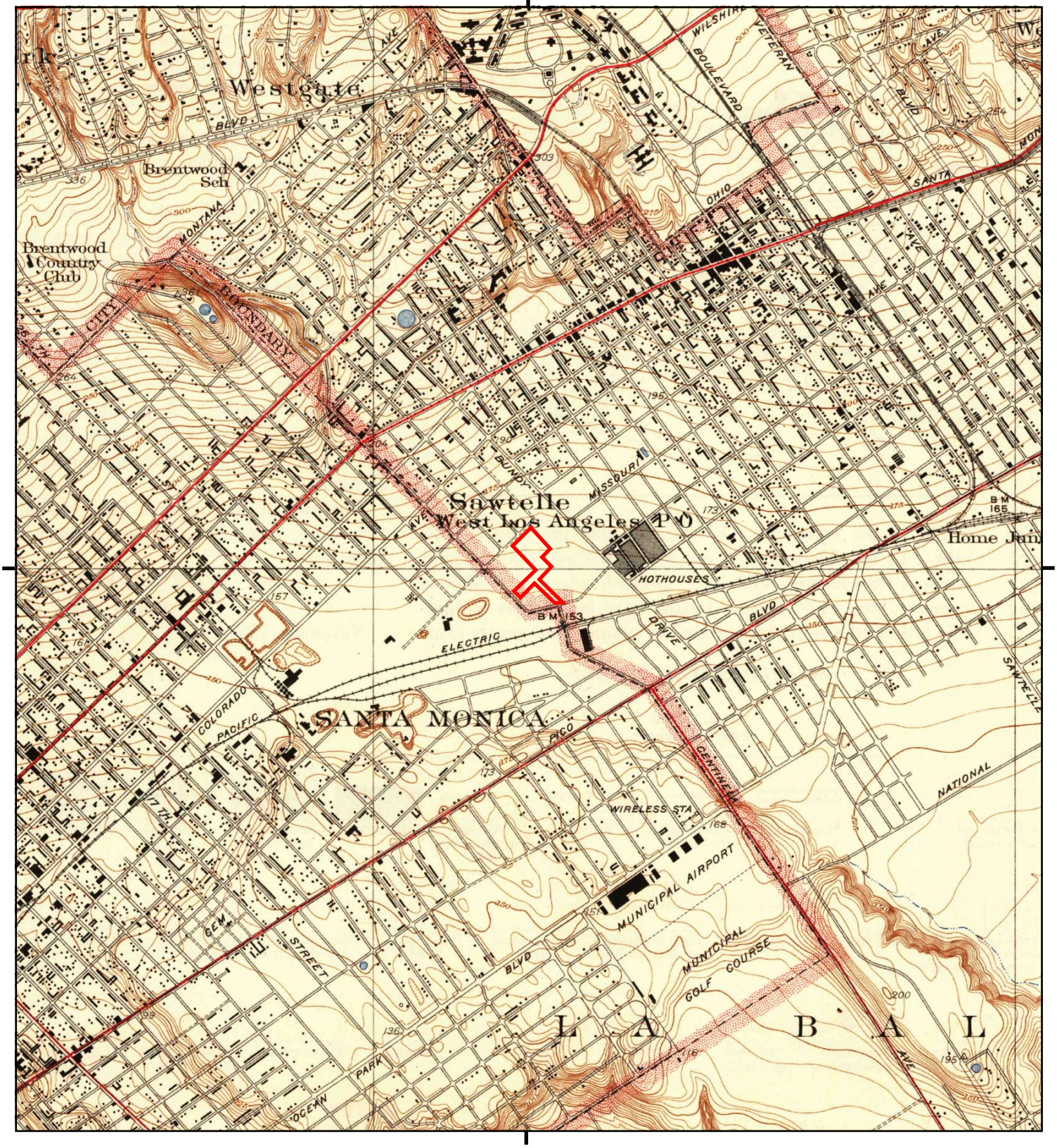
TP, Beverly Hills, 1950, 7.5-minute

SITE NAME: 12300 Nebraska Avenue
ADDRESS: 12300 Nebraska Avenue
Los Angeles, CA 90025
CLIENT: Dudek & Associates

N

Historical Topo Map

1934



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

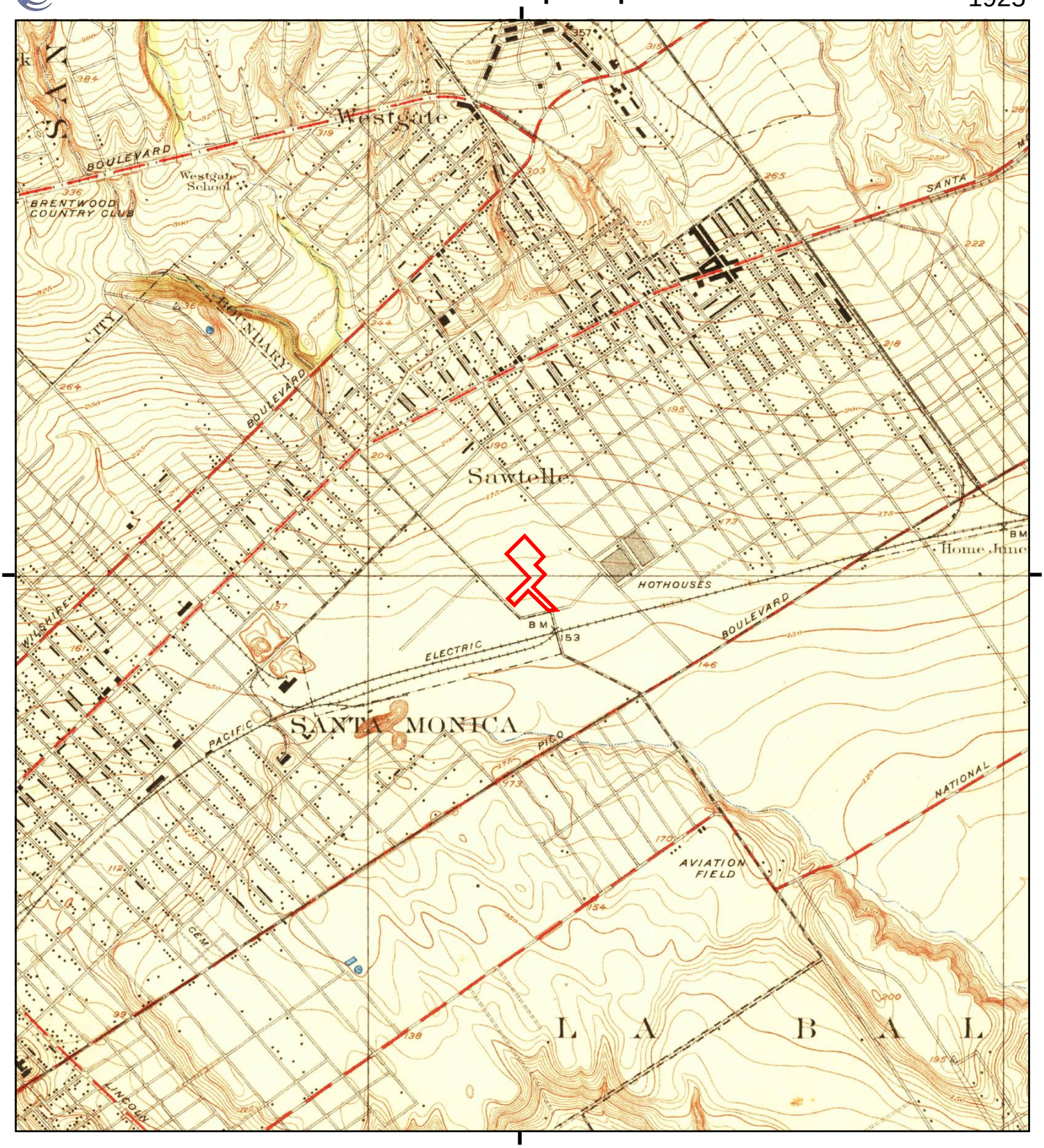
TP, Sawtelle, 1934, 7.5-minute

SITE NAME: 12300 Nebraska Avenue
ADDRESS: 12300 Nebraska Avenue
Los Angeles, CA 90025
CLIENT: Dudek & Associates

N

Historical Topo Map

1925



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

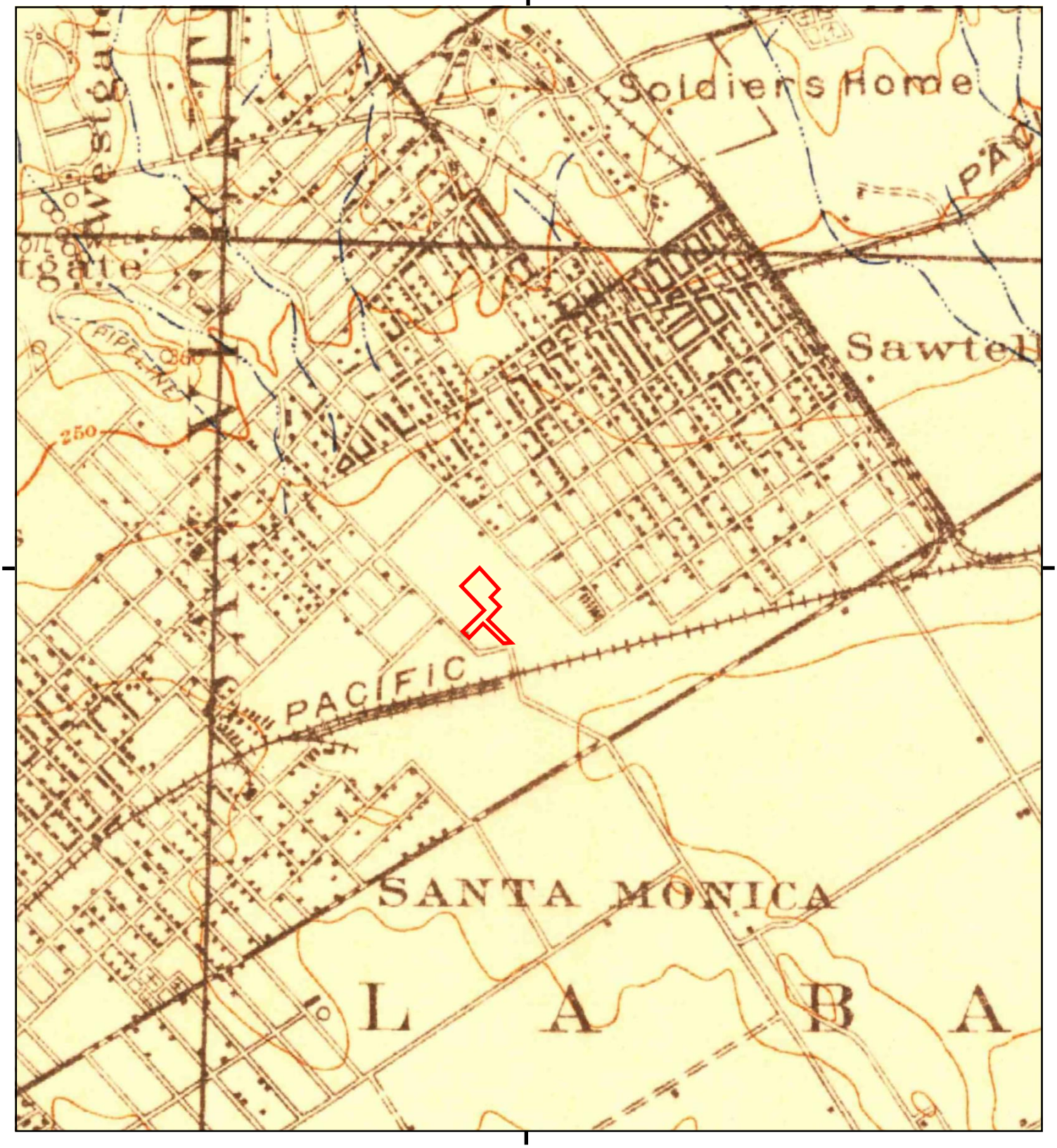
TP, Sawtelle, 1925, 7.5-minute

SITE NAME: 12300 Nebraska Avenue
ADDRESS: 12300 Nebraska Avenue
Los Angeles, CA 90025
CLIENT: Dudek & Associates

N

Historical Topo Map

1921



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

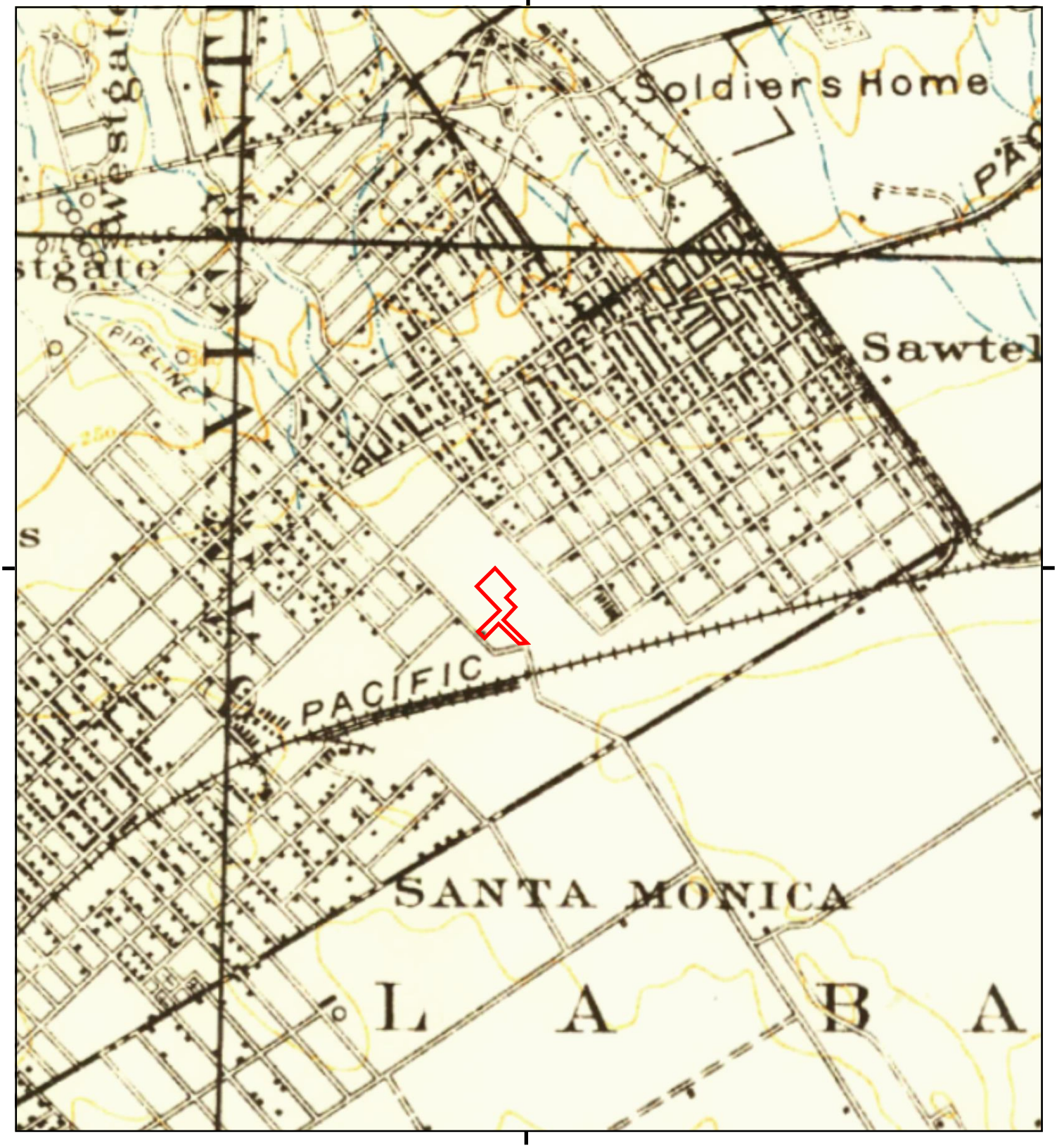
TP, Santa Monica, 1921, 15-minute

SITE NAME: 12300 Nebraska Avenue
ADDRESS: 12300 Nebraska Avenue
Los Angeles, CA 90025
CLIENT: Dudek & Associates

N

Historical Topo Map

1920



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

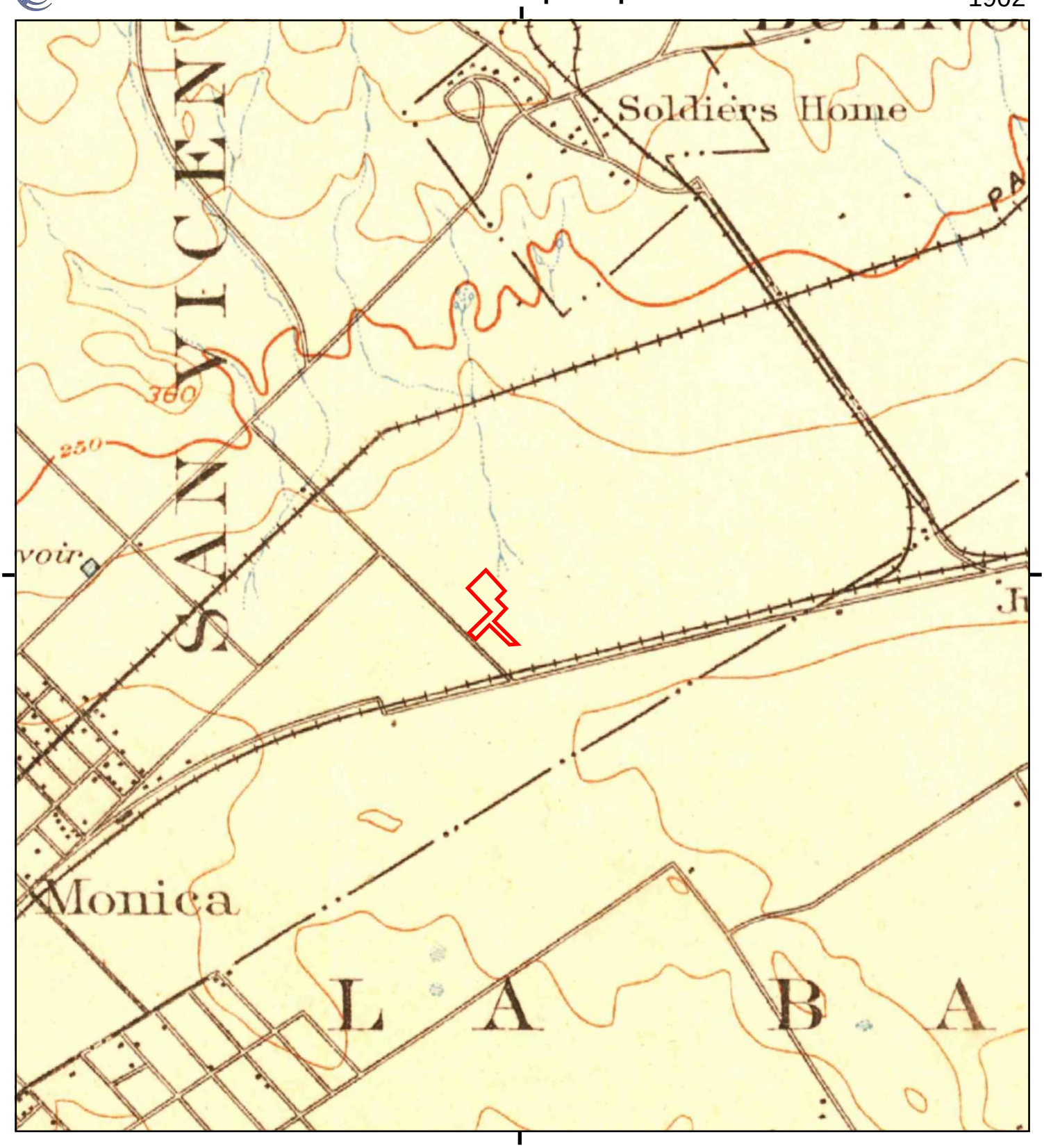
TP, SANTA MONICA, 1920, 15-minute

SITE NAME: 12300 Nebraska Avenue
ADDRESS: 12300 Nebraska Avenue
Los Angeles, CA 90025
CLIENT: Dudek & Associates

N

Historical Topo Map

1902



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

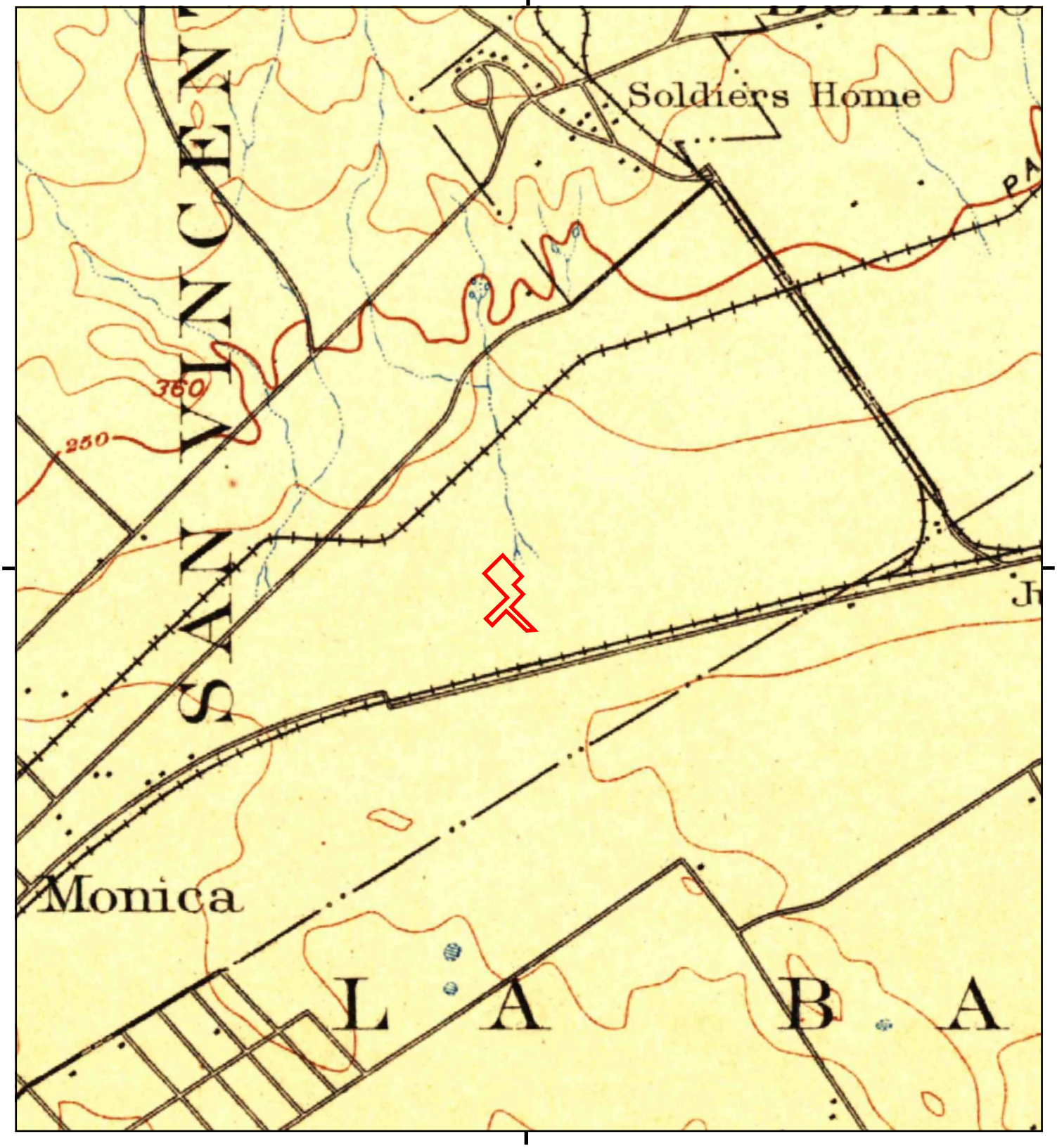
TP, Santa Monica, 1902, 15-minute

SITE NAME: 12300 Nebraska Avenue
ADDRESS: 12300 Nebraska Avenue
Los Angeles, CA 90025
CLIENT: Dudek & Associates

N

Historical Topo Map

1900



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

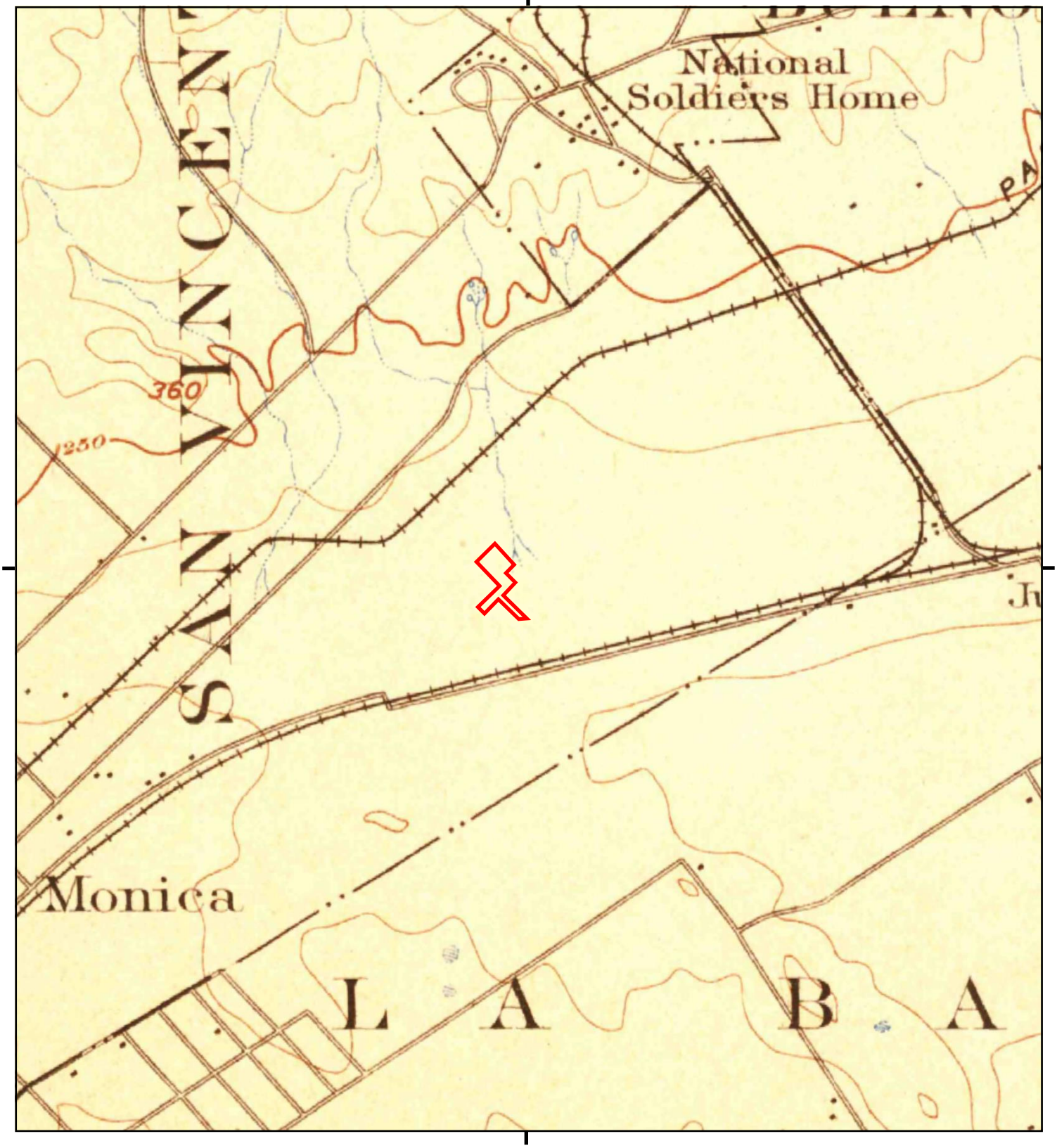
TP, Los Angeles, 1900, 15-minute

SITE NAME: 12300 Nebraska Avenue
ADDRESS: 12300 Nebraska Avenue
Los Angeles, CA 90025
CLIENT: Dudek & Associates

N

Historical Topo Map

1898



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

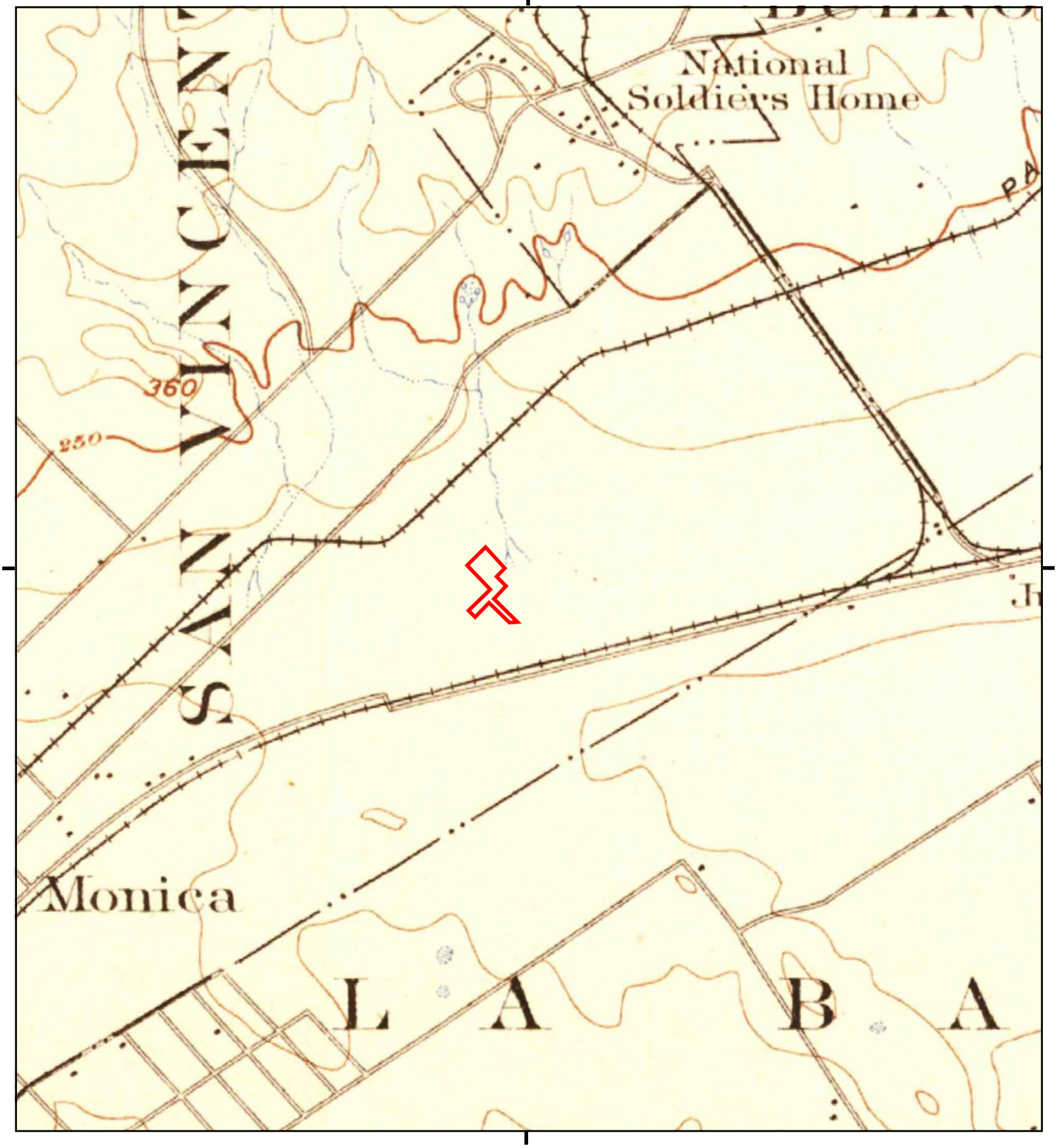
TP, Santa Monica, 1898, 15-minute

SITE NAME: 12300 Nebraska Avenue
ADDRESS: 12300 Nebraska Avenue
Los Angeles, CA 90025
CLIENT: Dudek & Associates

N

Historical Topo Map

1896



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

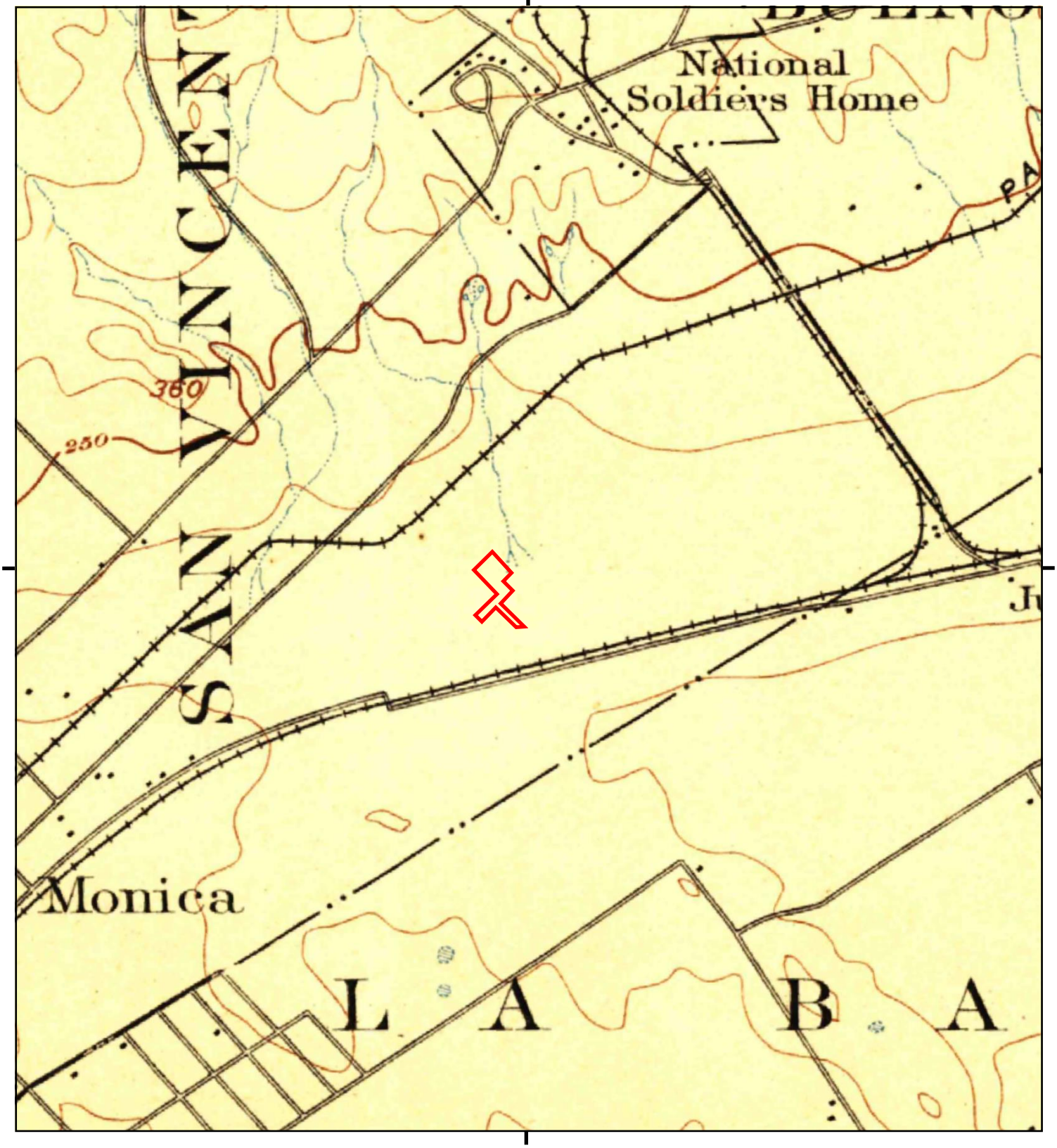
TP, Santa Monica, 1896, 15-minute

SITE NAME: 12300 Nebraska Avenue
ADDRESS: 12300 Nebraska Avenue
Los Angeles, CA 90025
CLIENT: Dudek & Associates

N

Historical Topo Map

1894



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Los Angeles, 1894, 15-minute

SITE NAME: 12300 Nebraska Avenue
ADDRESS: 12300 Nebraska Avenue
Los Angeles, CA 90025
CLIENT: Dudek & Associates

N

APPENDIX C

Site Representative Interview

Property Background Information Questionnaire for Property Owner, Occupant, or Representative

PLEASE GIVE FURTHER DETAILS FOR ALL "YES" ANSWERS.

1. Describe the current uses of the Property. How long has the property been used for these purposes, and how long have you occupied the Property?
   Overhead & underground maintenance facility

2. Describe the past uses, owners, and operators of the Property.
   Always only power distr. & maintenance

3. Have the Property or adjoining properties been used for industrial activities including the following? (Please note that an adjoining property is a property that is next to your Property, even if it is across the street).

Gasoline Station	☐ Yes	☑ No
Printing Facility	☐ Yes	☑ No
Metal Plating Manufacturing	☐ Yes	☑ No
Landfill	☐ Yes	☑ No
Motor Repair Facility	☑ Yes	☐ No
Dry Cleaners	☐ Yes	☑ No
Junkyard	☐ Yes	☑ No
Waste Treatment	☐ Yes	☑ No
Storage, Disposal, or Recycling Facility	☐ Yes	☑ No

   Describe other industrial activities, if any.

4. Have any hazardous substances, petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or other waste materials been dumped above ground, buried, or burned on the Property? ☐ Yes ☑ No

   If yes, please describe.

5. Have any of the following items been stored on the Property in containers greater than 5 gallons?

Paint	☐ Yes	☑ No
Chemicals	☐ Yes	☑ No
Pesticides	☐ Yes	☑ No

6. Have hazardous substances or petroleum products been stored on the Property or transferred across the Property in pipelines, either above or below ground?

☐ Yes ☑ No ☐ Unknown

7. Have 55-gallon drums or sacks of chemicals been stored on the Property?

☑ Yes ☐ No ☐ Unknown

8. Has fill dirt been brought onto the property from an offsite source? soil from small excavations - not used as fill on-site.

☑ Yes ☐ No ☐ Unknown If Yes, Source of Fill

9. Is there evidence that the fill dirt in Question 8 may be contaminated?

☐ Yes ☑ No ☐ Unknown Please provide soil sampling data, if available.

10. Are there currently any pits, ponds, or lagoons on the Property?

☐ Yes ☑ No ☐ Unknown

11. Have any pits, ponds, or lagoons previously existed on the Property?

☐ Yes ☑ No ☐ Unknown

12. Are there currently areas on the Property with stained soil?

☐ Yes ☑ No ☐ Unknown

13. Have stained soils previously existed on the property?

☐ Yes ☑ No ☐ Unknown

14. Do underground or above-ground storage tanks exist, or have they existed previously on the Property?

    ☑ Yes ☐ No ☐ Unknown AST only NO USTs (no current or previous)

15. Do fill pipes, vent pipes, or access ways indicating the presence of underground storage tanks exist on the Property?

    ☐ Yes ☑ No ☐ Unknown

16. Have fill pipes or vent pipes which may indicate the presence of an underground storage tank been removed from the Property?

    ☐ Yes ☑ No ☐ Unknown

17. Are floor drains stained with anything other than water in any area on the Property?

    ☐ Yes ☑ No ☐ Unknown

18. Do floor drains on the Property emit foul odors?

    ☐ Yes ☑ No ☐ Unknown

19. Is the Property served by private well or non-public water source?

    ☐ Yes ☑ No ☐ Unknown

20. Are contaminants known to exist in any private well or non-public water system serving the Property?

    ☐ Yes ☐ No ☐ Unknown NA

21. Does the Property discharge wastewater, other than domestic wastewater or storm water, into the sewer?

    ☐ Yes ☑ No ☐ Unknown

22. Other than permission for domestic hookup, have any city, county, or local permits for wastewater discharge been issued to the Property?

    ☐ Yes ☑ No ☐ Unknown

23. Does a septic tank exist, or has one existed previously at the Property?

☐ Yes ☑ No ☐ Unknown

24. Do cesspools or cisterns currently exist on the Property?

☐ Yes ☑ No ☐ Unknown

25. Have cesspools or cisterns previously existed on the Property?

☐ Yes ☑ No ☐ Unknown

26. Other than storm water, does the Property discharge waste water onto the neighboring Property?

☐ Yes ☑ No ☐ Unknown

27. Is there a transformer or capacitor that may contain PCBs on the Property?

☑ Yes ☐ No ☐ Unknown Pull old TF, test, haz waste pump.

28. Is there any hydraulic equipment such as automobile lifts or elevators on the property?

☑ Yes ☐ No ☐ Unknown

29. Are PCBs contained in hydraulic oil associated with hydraulic equipment located on the Property?

☐ Yes ☑ No ☐ Unknown Non PCB oil

ofc bldg warehouse } in/out
exterior other bldgs

30. Has an asbestos and/or lead based paint survey been conducted at the Property?

☑ Yes ☐ No ☐ Unknown LBP - abated & repainted ~18 mos ago
ACM - floors ~18 mos ago

31. Have pesticides, herbicides, or insecticides been applied on the Property?

☐ Yes ☑ No ☐ Unknown If Yes, Describe Type: _____

32. Are you aware of any environmental liens against the Property that are filed or recorded under federal, tribal, state, or local law?

☐ Yes ☑ No ☐ Unknown

33. Have notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products associated with activities conducted on the Property been issued?

☐ Yes ☑ No ☐ Unknown

34. Has the property been included in any of the following documents (please provide any of the available documents)?

Environmental Assessment Reports	☑ Yes ☐ No ☐ Unknown
Environmental Compliance Audits	☐ Yes ☑ No ☐ Unknown
Environmental Permits Consolidated United	☑ Yes ☐ No ☐ Unknown
Underground or Aboveground Tank Registrations	☑ Yes ☐ No ☐ Unknown
Underground Injection System Registrations	☐ Yes ☑ No ☐ Unknown
Safety Data Sheets	☑ Yes ☐ No ☐ Unknown
Community Right-to-Know Plan	☐ Yes ☐ No ☑ Unknown
Spill Prevention, Control, and Countermeasure Plan	☑ Yes ☐ No ☐ Unknown
Groundwater Monitoring or Soil Sampling Reports	☐ Yes ☑ No ☐ Unknown
Hazardous Waste Generator Reports	☐ Yes ☑ No ☐ Unknown
Geotechnical Reports	☐ Yes ☑ No ☐ Unknown
Risk Assessment Reports	☐ Yes ☑ No ☐ Unknown

35. Have other environmental assessments identified hazardous substances or petroleum products that exist, or may have existed on the Property?

☐ Yes ☐ No ☑ Unknown

36. Is there any pending, threatened, or past litigation or administrative proceedings relavent to hazardous substances or petroleum products associated with the Property?

☐ Yes ☑ No ☐ Unknown

37. Are you aware of any activity and land use limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the Property and/or have been filed or recorded in a registry under federal, tribal, state or local law?

☐ Yes ☐ No ☑ Unknown

38. Are you aware of any commonly known or reasonably ascertainable information about the Property that would help the environmental professional to identify conditions indicative of releases or threatened releases?

☑ Yes ☐ No ☐ Unknown

39. Do you have any specialized knowledge or experience related to the Property or nearby properties, including the knowledge of the chemicals and processes used by this type of business? RSK

☑ Yes ☑ No ☐ Unknown Mineral oil pumphouse - maintain pressure in transmission pipe -

40. Based on your knowledge or experience related to the Property, are there any obvious indicators that point to the presence or likely presence of contamination?

☐ Yes ☑ No ☐ Unknown

41. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? NA

☐ Yes ☐ No ☐ Unknown

Answers as dictated to S. Smith of Dudek

Signature

8/14/18

Date

Randy Bowen

Name (Printed)

☐ Owner ☐ Occupant ☑ Owner Representative

Property Address: 12300 Nebraska Ave

Los Angeles, CA

APPENDIX D

Regulatory Agency Records

Los Angeles City Fire Department
(LAFD)
12270 Nebraska Avenue

F-350

WEST CU

Granted 03 23

Expires 03 23 90

Fire Department

City of Los Angeles

PERMIT

No. 62606

Fee Paid EXEMPT 714

In accordance with terms of the application on file with the Fire Prevention Bureau, permission is granted to: MUST COMPLY WITH FPB REQUIREMENT NO. 41

Name PLASKON ELECTRONIC MATERIALS, INC.

Mail to
AMI ADINI & ASSOCIATES
1837 N. BERENDO ST.
LOS ANGELES, CA 90027

PERMIT GRANTED

Permit to: Abandon 1 atmospheric tank(s) as per plans and specifications submitted to the FIRE Prevention Bureau & subject to the FIELD INSPECTOR'S approval at the site.

Location
12270 NEBRASKA-AVE.
LOS ANGELES, 90025

BY ORDER OF CHIEF ENGINEER

By: SMV

C. V. Drummond

Fire Marshal

Original Documents

Copies are inside folder.

DO NOT REMOVE

AAKO GEOTECHNICAL ENGINEERING CONSULTANTS, INC

GEOTECHNICAL/ENVIRONMENTAL

CRAIG P. BOYD
Environmental Technician

(714) 773-1232 FAX: (714) 773-0465

2483 E Orangethorpe Ave • Fullerton, CA 92631-5304

AMI ADINI & ASSOCIATES

1637 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

FINAL CLOSURE REPORT
FOR
UNDERGROUND SOLVENT STORAGE TANK REMOVAL

PREPARED FOR

PLASKON ELECTRONIC MATERIALS, INC.

PERFORMED AT

12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA 90025

SUBMITTED TO

LOS ANGELES CITY FIRE DEPARTMENT
FIRE PREVENTION BUREAU
WEST INDUSTRIAL UNIT

APRIL 17, 1989

AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

April 17, 1989

Los Angeles City Fire Department
Fire Prevention Bureau
West Industrial Unit
7166 West Manchester Avenue
Room B
Los Angeles, California 90045
Attn: Mr. Tom Kinley
Fire Inspector I

Subject: FINAL CLOSURE REPORT FOR UNDERGROUND SOLVENT STORAGE TANK REMOVAL

Gentlemen:

This closure report is in reference to Permit Number 62606 granted on 03-23-89 for one atmospheric underground solvent storage tank permanent removal at 12270 Nebraska Avenue in Los Angeles, California. A copy of the permit and approved Plan is attached.

Reference: Exhibit #1 - L. A. City Fire Dept. Division 5 Permit Granted 03-23-89

Exhibit #2 - L. A. City Fire Dept. Approved Plan, Dated 03-23-89

SITE DESCRIPTION

The site is located at 12270 Nebraska Avenue just west of Bundy Drive in Los Angeles. The site is currently owned and occupied by Plaskon Electronic Materials, Inc. , and consists of several one to two story structures utilized by Plaskon. One underground atmospheric solvent storage tank was located on the site. The tank had a capacity of 8,000 gallons and was used exclusively to store acetone. The tank was of double wall design, with both the primary and secondary tanks of steel construction. The exterior of the outer (secondary) tank was lined with fiberglass for corrosion protection. The tank was installed in the early 1980's according to information obtained from Plaskon.

The attached Site Location Map and Plot Plan detail the location of the site and the underground storage tank.

Reference: Exhibit #3 - Site Location Map

Exhibit #4 - Plot Plan

AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

TANK CLEANING AND REMOVAL PROCEDURES

The 8,000 gallon underground tank was abandoned and removed in accordance with the requirements of the Los Angeles City Fire Department. Prior to removal, the tank contained only a residual amount of product. On March 27, 1989 approximately 400 gallons of remaining acetone liquid was drafted from the tank utilizing a vacuum truck and transported to an appropriate disposal facility. This operation was performed under permit from the Los Angeles City Fire Department. Attached is a copy of the permit.

The residual contents of the acetone storage tank, along with the rinsate used in cleaning the tank was removed and transported under manifest to a legal disposal site on March 27, 1989. All waste material was pumped-out and transported using a vacuum truck. The attached Hazardous Waste Manifest provides documentation of the legal disposal of all waste material removed from the site.

The tank was cleaned on site using high pressure water rinse. The tank was inspected by a Certified Marine Chemist and certified as being clean and vapor free on March 27, 1989. Attached is a copy of the Marine Chemist Certificate.

The tank was removed from the site following on-site inspection and approval by Inspector Tom Kinley of the Los Angeles City Fire Department. Visual inspection of the secondary tank exterior indicated the tank was in excellent condition, with no evidence of corrosion or any holes or cracks in the fiberglass lining. The tank was transported to AMR, located in Ontario, California for disposal on March 27, 1989. Attached is a copy of the certificate of disposal/destruction to document the tank's legal disposal.

Reference:	Exhibit #5	- L. A. City Fire Dept. Permit No. 62607, Granted 03-23-89
	Exhibit #6	- Hazardous Waste Manifest for Disposal of Tank Contents
	Exhibit #7	-Marine Chemist Certificate No. 1117, Dated 03-27-89
	Exhibit #8	- Certificate of Disposal/ Destruction for Tank

AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

SAMPLING/ANALYTICAL METHODS

During the excavation of the tank, the excavated soil was monitored for VOC (Volatile Organic Compounds) using an organic vapor analyzer in accordance with the requirements of the South Coast Air Quality Management District. All readings were found to be less than 5 ppm.

Following the removal of the underground acetone storage tank, grab samples were collected from soil below the tank invert as follows: Two soil samples were collected approximately one foot into natural soil below the tank invert at each end of where the tank was located. All soil samples were collected in previously undisturbed and unexposed natural soil. The soil samples were collected by excavating with a backhoe. The samples were designated as SP-01 (south) and SP-02 (north). The above samples were obtained on March 27, 1989 in the presence and direction of Inspector Tom Kinley of the Los Angeles City Fire Department. The attached Site Sampling Map indicates the location of the soil samples collected.

The soil samples collected by excavation were placed in stainless steel rings measuring 1-1/2 inches in diameter by six inches long. No headspace was allowed in the rings. The ends of the sample tubes were immediately wrapped with Teflon film, and sealed with plastic caps and vinyl tape. Each sample tube was then placed in double ziplock plastic bags. The soil samples were then immediately refrigerated for transport. Soil sampling equipment was cleaned thoroughly between sampling intervals to prevent cross contamination. Samples were handled and transported to a State certified laboratory using chain-of-custody procedures. Copies of the chain-of-custody forms are attached.

The soil samples SP-01 and SP-02 collected were analyzed as follows: Volatile organic solvent compounds (acetone) using EPA method 8015.

Reference: Exhibit #9 - Site Sampling Map

Exhibit #10 - Laboratory Chain-of-Custody Forms

RESULTS OF SOIL SAMPLE ANALYSIS

SOIL CONDITIONS: All soil samples collected were observed to be dry, odorless, and without discoloration.

AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

ANALYTICAL RESULTS: The analyses results for SP-01 collected below the south end of the tank were as follows: Acetone was found to be at a level of 0.56 mg/kg, which is slightly above the analytical detection limit of 0.05 mg/kg.

The analyses results for SP-02 collected below the north end of the tank were as follows: Acetone was found to be at a level of 0.17 mg/kg, which is slightly above the analytical detection limit of 0.05 mg/kg.

The attached laboratory analytical reports indicate the results of all soil sample analyses performed.

Reference: Exhibit #11 - Laboratory Analytical Results

EVALUATION AND CONCLUSIONS

Based on the above results, there is no evidence of contamination in soils adjacent to the underground acetone storage tank to suggest leakage of product has occurred.

CLOSURE

The excavation at the tank was backfilled and recompacted to a minimum of 90 percent relative compaction on March 28, 1989 and March 29, 1989. A Grading Certificate was secured from the City of Los Angeles, Department of Building and Safety, and the excavation was inspected by the department prior to backfilling. Attached is a copy of the Grading Certificate and Inspection Record.

Soil compaction testing was performed on soil backfilled into the excavation. Attached is a report of the results of the soil compaction testing performed.

Reference: Exhibit #12 - Grading Certificate & Inspection Report

Exhibit #13 - Report of Soil Compaction Testing for Backfill of Excavation

AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

Please contact the undersigned if you require any further information on this project.

Respectfully submitted,

AMI ADINI
Registered Environmental Assessor
R.E.A. # 00363

REGISTERED ENVIRONMENTAL ASSESSOR
AMI ADINI
No. 00363
Exp 6/89
STATE OF CALIFORNIA

LSW/lac

cc: Ms. Mandira Simental - Plaskon
Property Owner

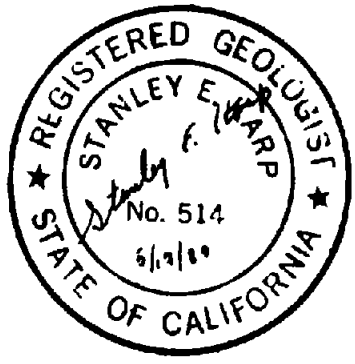
AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

PROFESSIONAL CERTIFICATION

This report (dated April 17, 1989, Permit Number 62606 of the City of Los Angeles Fire Dept.) has been reviewed and approved by the California Registered Geologist whose seal and signature appear hereon.

Stanley E. Karp
California Registered Geologist
No. 514



AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

ATTACHMENTS

Exhibit #1 - L. A. City Fire Dept. Division 5 Permit Granted 03-23-89

Exhibit #2 - L. A. City Fire Dept. Approved Plan, Dated 03-23-89

Exhibit #3 - Site Location Map

Exhibit #4 - Plot Plan

Exhibit #5 - L. A. City Fire Dept. Permit No. 62607, Granted 03-23-89

Exhibit #6 - Hazardous Waste Manifest for Disposal of Tank Contents

Exhibit #7 -Marine Chemist Certificate No. 1117, Dated 03-27-89

Exhibit #8 - Certificate of Disposal/ Destruction for Tank

Exhibit #9 - Site Sampling Map

Exhibit #10 - Laboratory Chain-of-Custody Forms

Exhibit #11 - Laboratory Analytical Results

Exhibit #12 - Grading Certificate & Inspection Report

Exhibit #13 - Report of Soil Compaction Testing for Backfill of Excavation

EXHIBIT #1
L. A. CITY FIRE DEPT. DIVISION 5 PERMIT GRANTED 03-23-89
12270 NEBRASKA AVENUE PROPERTY

F-350

WEST ICU

Granted 03 23 89
Expires 03 23 90

Fire Department
City of Los Angeles
PERMIT

Reg. No. 62606
Fee Paid EXEMPT 71

In accordance with terms of the application on file with the Fire Prevention Bureau, permission is granted to: MUST COMPLY WITH FPB REQUIREMENT NO. 41

Name
PLASKON ELECTRONIC MATERIALS, INC.

Mail to
AMI ADINI & ASSOCIATES
1837 N. BERENDO ST.
LOS ANGELES, CA 90027

Permit to: Abandon 1 atmospheric tank(s) as per plans and specifications submitted to the FIRE Prevention Bureau & subject to the FIELD INSPECTOR'S approval at the site.

Location
12270 NEBRASKA AVE.
LOS ANGELES, 90025

BY ORDER OF CHIEF ENGINEER

By: C. V. Drummond
Fire Marshal

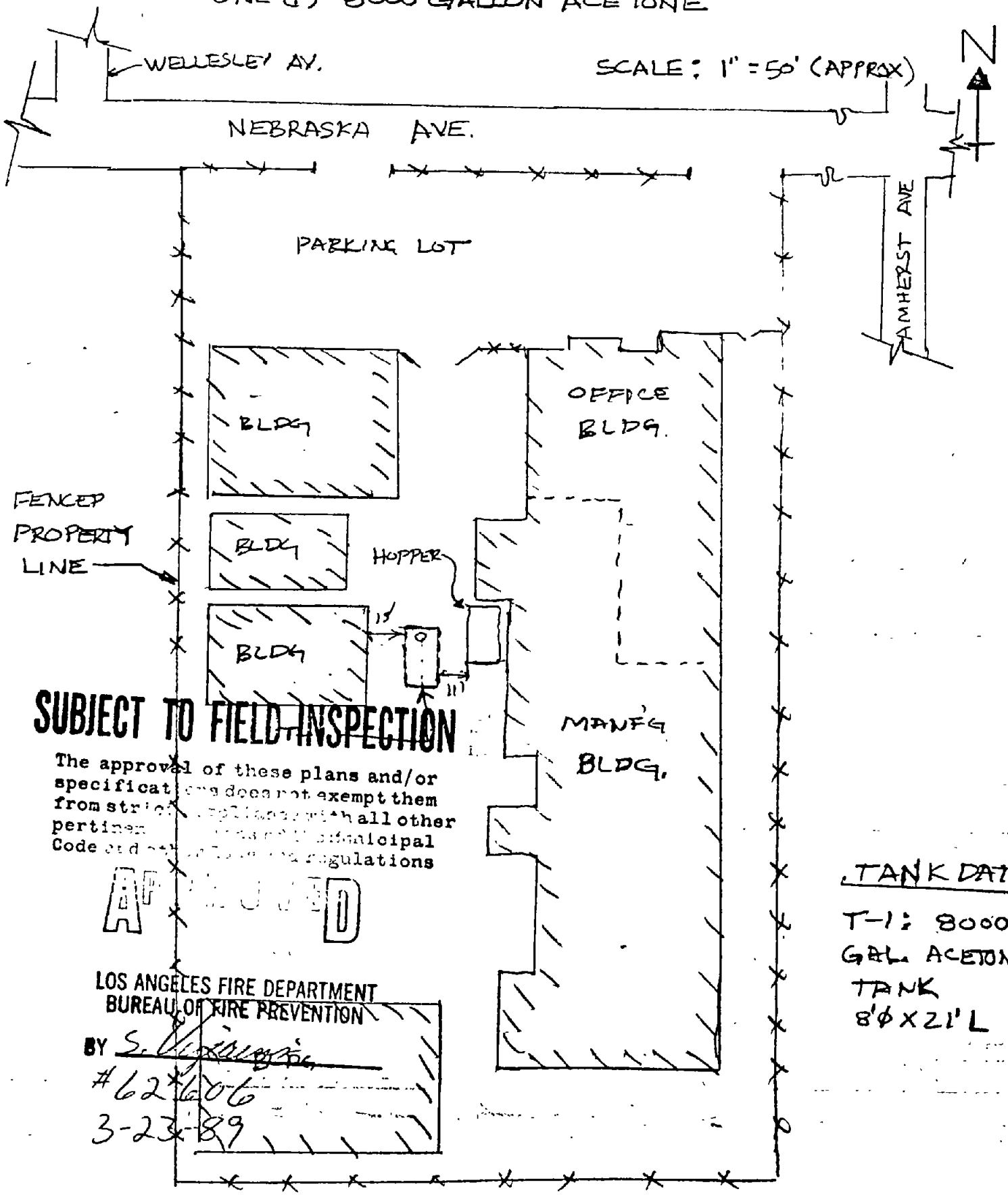
SMV

EXHIBIT #2
L. A. CITY FIRE DEPT. APPROVED PLAN, DATED 03-23-89
12270 NEBRASKA AVENUE PROPERTY

PLOT PLAN

EXHIBIT #2

ADDRESS: 12270 NEBRASKA AVENUE, LOS ANGELES, CA 90025
OWNER: PLASKON ELECTRONIC MATERIALS, INC.
PROJECT: REMOVAL OF UNDERGROUND SOLVENT STORAGE TANK
ONE (1) 8000 GALLON ACETONE



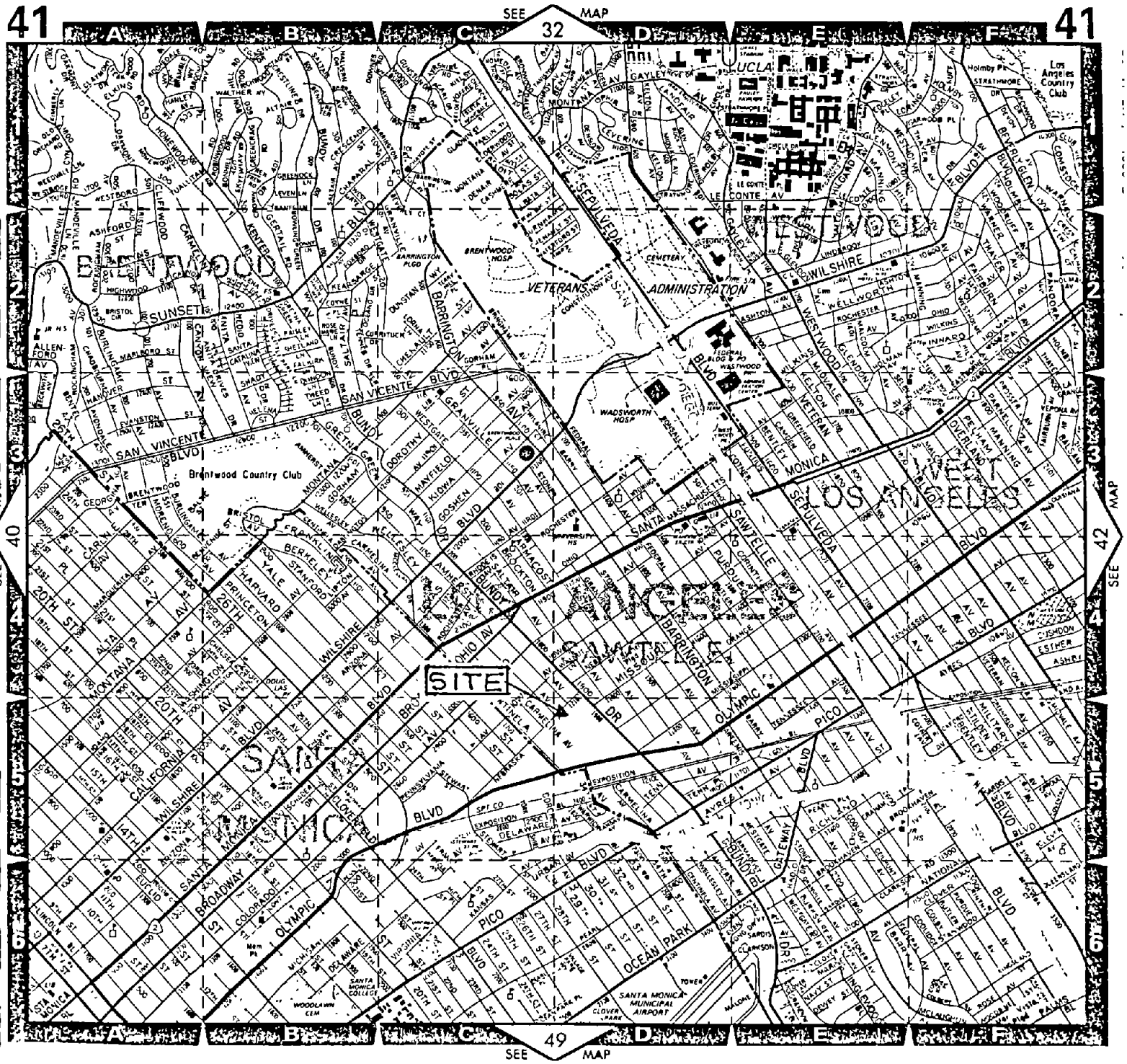
SUBJECT TO FIELD INSPECTION

The approval of these plans and/or specifications does not exempt them from strict compliance with all other pertinent [illegible] municipal Code and [illegible] regulations

APPROVED

LOS ANGELES FIRE DEPARTMENT
BUREAU OF FIRE PREVENTION
BY S. [illegible]
#62606
3-23-89

EXHIBIT #3
SITE LOCATION MAP
12270 NEBRASKA AVENUE PROPERTY

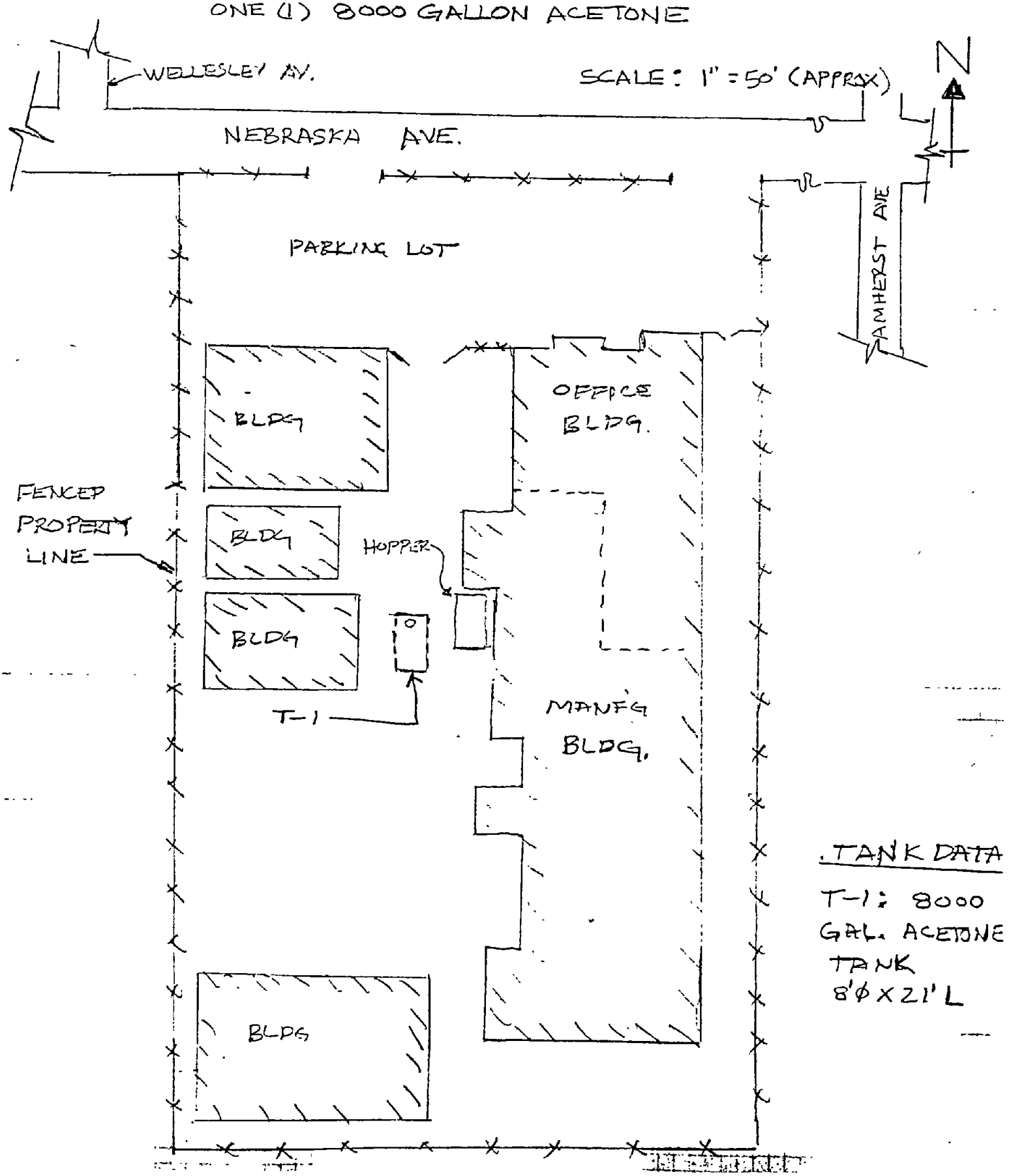


REFERENCE: THE THOMAS GUIDE, LOS ANGELES COUNTY, PAGE 41, SECTION D5, 1988

PLOT PLAN

EXHIBIT #4

ADDRESS: 12270 NEBRASKA AVENUE, LOS ANGELES, CA 90025
OWNER: PLASKON ELECTRONIC MATERIALS, INC.
PROJECT: REMOVAL OF UNDERGROUND SOLVENT STORAGE TANK
ONE (1) 8000 GALLON ACETONE



TANK DATA

T-1: 8000 GAL. ACETONE TANK 8'Ø X 21' L

EXHIBIT #5
L. A. CITY FIRE DEPT. PERMIT NO. 62707, GRANTED 03-23-89
12270 NEBRASKA AVENUE PROPERTY

F-350

Granted 3-23-89 Expires 3-23-90	**Fire Department** **City of Los Angeles** **PERMIT**	Reg. No. 62607 Fee Paid $140.00

In accordance with terms of the application on file with the Fire Prevention Bureau, permission is granted to:

Name PLASKON ELECTRONIC MATERIALS, INC.

Mail to 12270 Nebraska Avenue
Los Angeles, CA 90025

Permit to: Transfer of flammable liquids in a manner not otherwise regulated by this article.

Location 12270 Nebraska Ave.

BY ORDER OF CHIEF ENGINEER

By: _____
Fire Marshal

EXHIBIT #6
HAZARDOUS WASTE MANIFEST FOR DISPOSAL OF TANK CONTENTS
12270 NEBRASKA AVENUE PROPERTY

State of California—Health and Welfare Agency
Form Approved OMB No 2050—0039 (Expires 9-30-91)
Please print or type. (Form designed for use on elite (12-pitch typewriter)

EXHIBIT #6

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CAD008375487 | Manifest Document No: 601138

2. Page 1 of 1

Information in the shaded areas is not required by Federal law

3 Generator's Name and Mailing Address: PLASKON ELECTRONIC MATERIALS, INC 00 00 ; 12270 NEBRASKA AVE., LOS ANGELES 9002

4 Generator's Phone (213) 272-4471

A State Manifest Document Number: 88[illegible]

B State Generator's ID: [illegible]

5. Transporter 1 Company Name: Oil & Solvent Process Co.

6 US EPA ID Number: [illegible]

C State Transporter's ID: 906353

D Transporter's Phone: 818/334-5117

7. Transporter 2 Company Name:

8 US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: Oil & Solvent Process Co. 1704 W. First St. Azusa, CA 91702

10. US EPA ID Number: [illegible]

G State Facility's ID: [illegible]

H Facility's Phone: (818) 334-5117

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12 Containers No	Type	13 Total Quantity	14 Unit Wt/Vol	I Waste No.
a. Waste Acetone, Solution of UN1090 Flammable Liquid, ~~[illegible]~~ WASTE (F003) (DOT #7476)	[illegible]	[illegible]	00450	G	State 213 / EPA/Other F003
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: Waste acetone, water

Profile: LAX H18219

K Handling Codes for Wastes Listed Above: a. b. c. d.

15 Special Handling Instructions and Additional Information: Wear gloves and goggles

RC# 124-29

16

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment, OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford

Printed/Typed Name: Mandira Simental | Signature: Mandira Simental | Month Day Year: [illegible]

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: RUDY J LOERA | Signature: Rudy J Loera | Month Day Year: 03 27 89

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: | Signature: | Month Day Year:

19. Discrepancy Indication Space

20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name: | Signature: | Month Day Year:

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/88)
EPA 8700—22
(Rev 9-88) Previous editions are obsolete

Do Not Write Below This Line

Blue GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95812-0400

EXHIBIT #7
MARINE CHEMIST CERTIFICATE NO. 1117, DATED 03-27-89
12270 NEBRASKA AVENUE PROPERTY

EDWIN S. WYNKOOP, P.E. and ASSOCIATES
CERTIFIED SAFETY PROFESSIONAL
LICENSE NO. 2960
(818) 333-0873

EXHIBIT #7

15241 Valdemar Dr.
Hacienda Heights, CA 91745

CERTIFICATE SERIAL No 1117

Nieto & Son's	Plascon	3-27-89
Survey Requested by	Vessel Owner or Agent	Date
Tank	Steel	12270 Nebraska Los Angeles
Vessel	Type of Vessel	Specific Location of Vessel
Acetone	LEL - O_2 - Visual	155 PM
Last Three (3) Cargoes	Tests Performed	Time Survey Completed

This underground Tank identified with Red Paint - 1117 - LAFD - 62603

Tank Tested 0% LEL / 20.9% Oxygen

*1 - Tank 6000 gal. Cap. UL J-227538

Safe For Hot Work

Not Safe For Workers To Enter

Not Tested For Specific Toxics

This Tank has been Washed "on-site" and Certified as Clean and Vapor Free (zero percent of The Lower Explosive Limit) This Cleaned Tank is No longer a hazard Waste and may Be Transported For either disposal, material recycling or Salvage

In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned.

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS (partial list, paraphrased form NFPA 306 Subsections 1-6.1 through 1-6.4, and Subsection 5-3.2).

SAFE FOR WORKERS. Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Certificate.

NOT SAFE FOR WORKERS Means that in the compartment or space so designated, the requirements of Safe for Workers have not been met.

ENTER WITH RESTRICTIONS: Means that in any compartment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing, and time are as specified.

SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of the fuel tanks or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the requirements.

NOT SAFE FOR HOT WORK Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.

SAFE FOR REPAIR YARD ENTRY Means that the compartments and spaces of the flammable cryogenic liquid carrier so designated (a) have been tested by sampling at remote sampling stations, and results indicate the atmosphere tested to be above 19.5 percent oxygen, and less than 10 percent of the lower flammable limit, or b) are inerted.

CERTIFIED SAFETY PROFESSIONAL'S ENDORSEMENT: This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards in tanks, etc., have been found the condition of each to be in accordance with the assigned designation.

"The undersigned acknowledges receipt of this Certificate under Section 2-3 of NFPA 306 and understands conditions and limitations under which it was issued."

Signed [illegible] 3-27-89
Name Date

[illegible]
Company

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed [illegible] For

Edwin Wynkoop 2960
Certified Safety Professional Certificate No

1988 Edition

EXHIBIT #8
CERTIFICATE OF DISPOSAL/DESTRUCTION FOR TANK
12270 NEBRASKA AVENUE PROPERTY

AMERICAN FUEL TANK METAL RECYCLING, INC.

2202 South Milliken Avenue
Ontario, CA 91761
(714) 947-2888

No. 30477

TANK DISPOSAL FORM

Date: 3-23 ,19 89
Job #
P. O. #

CONTRACTOR: Ami Adini + Assoc
ADDRESS: 1837 N. Berendo St. L.A., CA 90027
JOB SITE. Plaskon
ADDRESS. 12270 Nebraska Av. L.A., CA
DESTINATION. A.M.R. 2202 S. Milliken Ave., Ontario, CA 91761

DATE	TIME	PROJECTED TANKS	ORDERED BY	LIC NO.
3-27-89	12:00	1-8,000		6

SPECIAL INSTRUCTIONS: One Truck

TIME IN. 11:45 AM
TIME OUT. 3:45 PM

3 Hrs. 45 min. loading time

✓	Services Rendered	Cost
✓	Disposal Fee	200.00
✓	Extensive Loading Time	150.00
	Disposal Fee with Permit	300.00
	Fiberglass Tank Disposal Fee Per Tank	400.00
	Delivered	200.00
	Bobtail Disposal Fee	250.00
	Cancellation Fee	250.00
	TOTAL CHARGES	$350.00

All fees incurred are per load unless specified. Terms are net 30 days from date of invoice. Contractor's signature represents acceptance of terms for payment, and confirms that tank removal complies with State laws.

Larry S Witten
CONTRACTOR S SIGNATURE

TANKS RECEIVED

QTY.	GALLONS	TYPE F*	TYPE S*	NET TONS	TOTAL
	280	☐	☐	.14	
	500	☐	☐	21	
	550	☐	☐	24	
	1000 - 12 ft.	☐	☐	.44	
	1000 - 6 ft	☐	☐	61	
	1500	☐	☐	87	
	2000	☐	☐	.97	
	2500	☐	☐	1 14	
	3000	☐	☐	1 32	
	4000	☐	☐	1 64	
	5000	☐	☐	2 42	
	6000	☐	☐	2.84	
	7500	☐	☐	3 26	
1	8000	☐	☐	3.44	3.44
	9000	☐	☐	3 82	
	10000	☐	☐	4 33	
	12000	☐	☐	4 93	

NO OF TANKS: 1 TOTAL: NET TONS: 3.44

*F — FIBERGLASS *S — STEEL 105

CERTIFICATE OF TANK DISPOSAL / DESTRUCTION

THIS IS TO CERTIFY THE RECEIPT AND ACCEPTANCE OF THE TANK(S) AS SPECIFIED ABOVE. ALL MATERIALS SPECIFIED HAVE BEEN COMPLETELY DESTROYED FOR SCRAP PURPOSES ONLY.

R. Patton
AUTHORIZED REP

3-27-89
DATE

CONTRACTOR COPY

SITE SAMPLING MAP

EXHIBIT #9

ADDRESS: 12270 NEBRASKA AVENUE, LOS ANGELES, CA 90025
OWNER: PLASKON ELECTRONIC MATERIALS, INC.
PROJECT: REMOVAL OF UNDERGROUND SOLVENT STORAGE TANK
ONE (1) 8000 GALLON ACETONE

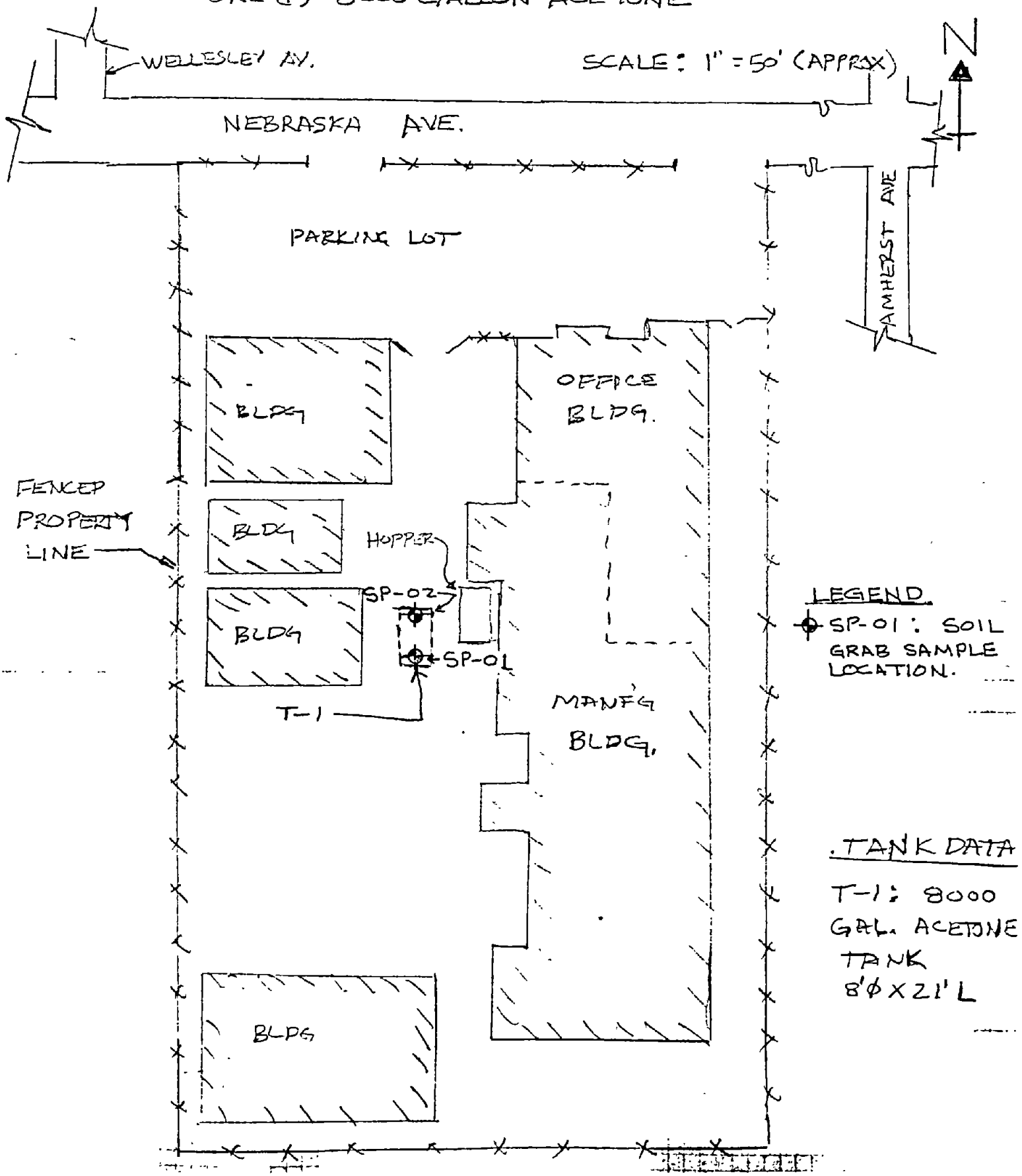


EXHIBIT #10
LABORATORY CHAIN-OF-CUSTODY FORMS
12270 NEBRASKA AVENUE PROPERTY

Burmah

Burmah Technical Services, Inc.
Analytical Laboratories Division

408 Auburn Avenue, Pontiac, Michigan 48058 ☐
700 S. Flower St., Burbank, CA 91502 ☐
☐

CHAIN OF CUSTODY

Client: AMI ADINI & ASSOCIATES
Address: 1837 N. BERENDO ST.
LOS ANGELES, CA 90027

Contact person: AMI ADINI
Phone # (213) 667-2087
PO # VERBAL
Project: PLASKON ELECTRONIC MATERIALS, INC
12270 NEBRASKA AVE., LOS ANGELES

Special Handling Request
☒ Rush (2-1 HR)
☒ Verbal
☐ Other

Sample ID	Date	Time	Grab	Comp	No. of Containers	Waste Type	Preservation	Analysis request
SP-01 (SOUTH)	3-27-89	3.15 PM	X		1	SOIL	ICE CHEST	ACETONE VIA 8015
SP-02 (NORTH)	3-27-89	3:35 PM	X		1	SOIL	ICE CHEST	ACETONE VIA 8015
								(ok/cold)

Collected by: Larry S Witten 3-27-89 3:15 PM
Received by: Date Time
Received by: Date Time
Received for laboratory by: [illegible] 3-27-89 4:27 pm
Final disposition:

Delivery by: Larry S Witten Date 3-27-89 Time 4:27 PM
Relinquished by: Larry S Witten Date 3-27-89 Time 4:27 PM
Relinquished by: Date Time
Comments (Precautions/hazards)

EXHIBIT #10

AL-6

EXHIBIT #11
LABORATORY ANALYTICAL RESULTS
12270 NEBRASKA AVENUE PROPERTY

EXHIBIT #11

Burmah

Burmah Technical Services, Inc.
Analytical Laboratories Division

700 South Flower Street
Burbank, California 91502

213-849-6591

ANALYTICAL REPORT

Date Received: 03/27/89

Date Reported: 03/29/89

Client : Ami Adini Associates
1837 N. Berendo St.
Los Angeles CA 90027
Attn: Larry Witwer

Sample Description: Soil Samples

Investigation : Plaskon Electronic Materials
2270 Nebraska Ave. LA

Lab. No.	Sample No.	mg/kg Acetone
BSS-5881	SP-01 South	0.56
BSS-5882	SP-02 North	0.17
Detection Limit		0.05

< - Less than detection limit

Acetone - Analyzed by EPA-8015

Harold Vernon
Manager Analytical Services

QUALITY CONTROL DATA

REPORT DATE: 03/29/89

Procedure - 8015
Samples Analyzed in this QC Set

Parameter - Units (mg/kg)
Blank
Lab #: BSS-5881
0/0 Recovery
Relative 0/0 Difference
Surrogate - 0/0 Recovery Chlorobenzene 93

Parameter - Units (mg/kg)
Blank
Lab #: BSS-5882
0/0 Recovery
Relative 0/0 Difference
Surrogate - 0/0 Recovery Chlorobenzene 94

EXHIBIT #12
GRADING CERTIFICATE & INSPECTION REPORT
12270 NEBRASKA AVENUE PROPERTY

EXHIBIT #12

G APPLICATION FOR INSPECTION — CITY OF LOS ANGELES — DEPT OF BUILDING AND SAFETY — OF GRADING AND FOR GRADING CERTIFICATE

INSTRUCTIONS: 1. Applicant to Complete Numbered Items Only. 2. Plot Plan Required on Back of Original.

1. LEGAL DESCR.	LOT: 21	BLK.	TRACT: Santa Monica Sawtelle St	COUNCIL DIST. NO.: 11	DIST. MAP: 123-145 / CENSUS TRACT: 2675
2. PURPOSE OF GRADING: 60) Backfill Excavation from Tank Removal					ZONE: M2-1
3. JOB ADDRESS: 12270 Nebraska Avenue					FIRE DIST.: II
4. BETWEEN CROSS STREETS: Centinela		AND: Bundy Dr			LOT (TYPE): Int
5. OWNER'S NAME: Plaskon Electronic Materials, Inc			PHONE: 213-272-4471		LOT SIZE: Irreg
6. OWNER'S ADDRESS: 12270 Nebraska Ave	CITY: L.A.		ZIP: 90025		
7. PLANS BY CIVIL ENGR	BUS. LIC. NO.	ACTIVE STATE LIC. NO.	PHONE		ALLEY
8. CIVIL ENGR. ADDRESS	CITY		ZIP		BLDG. LINE
9. ENGR. GEOLOGIST	BUS LIC NO	ACTIVE STATE LIC. NO./CERT. NO.	PHONE		AFFIDAVITS
10. SOIL ENGR —TESTING AGENCY: Norcal Eng	BUS. LIC NO: 10036	ACTIVE STATE LIC. NO: RGE841	PHONE: 213-267-0125		ZI 1448
11. CONTRACTOR: Ami Adini & Assoc	BUS. LIC. NO.: G99560	ACTIVE STATE LIC. NO: 523230	PHONE: 213-667-2087		
12. CONTRACTOR'S ADDRESS: 1837 N. Berendo Street L.A.	CITY		ZIP: 90027		P C REQ'D
G 13. JOB ADDRESS: 12270 Nebraska Avenue				STREET GUIDE	DIST OFFICE: WLA
G 14. NUMBER OF CUBIC YARDS: CUT		FILL			SEISMIC STUDY ZONE
15. MAXIMUM SLOPE: CUT / FILL	RETAINING WALL REQUIRED: YES (NO)		BOARD FILE NO.		GRADING / FLOOD
FILL DENSITY TESTS & CERTIFICATION: ☒ 90% REQUIRED ☐ NOT REQUIRED					HWY DED: yes / CONS.
			IMPORT/EXPORT REQ.		ZONED BY: C. Lee
CALIF. ENVIRONMENTAL QUALITY ACT REQUIREMENTS: (EXEMPT) COMPLETED			YARDAGE APPROVED		FILE WITH
			PLANS CHECKED		TYPIST: R. Moore
BOND: ☐ CASH ☐ SURETY	AMOUNT	DATE POSTED	APPLICATION APPROVED		INSPECTOR

B & S B-100 (R 2/87)

PC	GPI	GPI INSPECTOR
SPC	IF	Claims for refund of fees paid on permits must be filed 1 Within one year from date of payment of fee, or 2 Within one year from date of expiration of extension for building or grading permits granted by the Dept of B & S SECTIONS 22 12 & 22 13 LAMC
GP	OSS	
DIST OFFICE	SOSS	
PC NO		

CA #

CASHIER'S USE ONLY

Unless a shorter period of time has been established by an official action, plan check approval expires one year after the fee is paid and this permit expires two years after the fee is paid or 180 days after the fee is paid if construction is not commenced

EXHIBIT #12

DEPARTMENT OF BUILDING AND SAFETY

INSPECTION RECORD

CITY OF LOS ANGELES

ADDRESS OF JOB

0 2 7 4 0 0 MAR 23 '89

NATURE OF WORK

L.A

BLDG. PERMIT NO.

OWNER

Inspections	Date	Inspector
GRADING INSPECTIONS		
Initial Grading		
Toe or Bottom		
DO NOT PLACE FILL UNTIL ABOVE IS SIGNED		
Excavation		
Fill		
Drainage Devices		
Rough Grading		
BUILDING AND MECHANICAL INSPECTIONS		
Footing Excavation		
Forms		
Reinforcing Steel		
OK to Place Footings		
DO NOT PLACE CONCRETE UNTIL ABOVE IS SIGNED		
Heating & Refrig. Groundwork		
Electrical Groundwork		
Plumbing Groundwork		
Gas Piping Groundwork		
OK to Place Slab Floor		
DO NOT PLACE CONCRETE SLAB FLOOR UNTIL ABOVE IS SIGNED		

Do Not Call for Framing Inspection Until Electrical, Plumbing & Heating Approvals have been Obtained.

Inspections	Date	Inspector
Rough Electrical		
Rough Plumbing		
Rough Heating & Refrig		
Rough Handicapped		
Rough Framing		
Rough Fire Sprinklers		
Insulation		
OK to Cover		
DO NOT COVER UNTIL ABOVE IS SIGNED		
Exterior Lathing		
Interior Lathing		
OK to Plaster		
DO NOT PLASTER UNTIL ABOVE IS SIGNED		
WORK OUTSIDE BUILDING		
Sewer		
Gas		
Heating & Refrigeration		
Electrical Underground		
FINAL INSPECTIONS		
Final Electrical		
Final Gas		
Final Plumbing		
Final Heating & Refrigeration		
Final Fire Sprinklers		
Final L A F D OK Title 19 Jobs Only		
Final Handicapped		
Final Grading		
Final		

EXHIBIT #13
REPORT OF SOIL COMPACTION TESTING FOR BACKFILL OF EXCAVATION
12270 NEBRASKA AVENUE PROPERTY

NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS
10571 CALLE LEE SUITE 155 LOS ALAMITOS, CA 90720
(714) 826-4231 (213) 267-0125
FAX (714) 826-2514

EXHIBIT #13

May 31, 1989 Project Number 1796-89

Ami Adini and Associates
1837 N. Berendo Street
Los Angeles, California 90027

Re: Inspection and Testing of Grading Operations - Tank Excavation Backfill - Located at 12270 Nebraska Avenue, in the City of Los Angeles, California

Dear Sirs:

Pursuant to your request, compaction tests were obtained at the above-referenced location.

Results of the compaction tests are attached and locations of these tests are shown on the accompanying plot plan.

All work was performed in accordance with the requirements of the City of Los Angeles, and with all present day standards of the Soils Engineering Industry.

All vegetation and demolition debris was stripped and removed from the fill area prior to the placement of any fill soils.

The existing low density soils were removed to competent natural ground, the exposed surface scarified, moisture conditioned and then recompacted to a minimum of 90% relative compaction.

..

The excavation ± 12.0 feet in depth was backfilled to within 2.0 feet of grade with 3/4" gravel. The top 2.0 feet was capped off with compacted fill soils to a minimum of 90% relative compaction.

The relative compaction was determined by Sand Cone Method (ASTM:D-1556-64) and by the Drive Tube Method. The maximum density of the fill soils was obtained by the laboratory standard (ASTM:D-1557-78) and results are shown on Table I. Tests were performed a minimum of every 500 cubic yards placed and every 2.0 feet in depth of fill placed.

A backhoe was utilized for compaction control. A water hose provided moisture control.

We appreciate this opportunity to be of service to you. If you have any further questions, please do not hesitate to contact the undersigned.

Respectfully submitted,
NORCAL ENGINEERING

Keith D. Tucker
Project Engineer
R.G.E. 841

REGISTERED PROFESSIONAL ENGINEER
KEITH D. TUCKER
No. 841
Exp. 12-31-92
GEOTECHNICAL
STATE OF CALIFORNIA

Troy D. Norrell
President

TABLE I
MAXIMUM DENSITY TESTS
(ASTM:D-1557-78)

Soil Type	Classification	Optimum Moisture	Maximum Dry Density (lbs./cu.ft.)
I	SAND, fine to medium grained	10.5	119.0

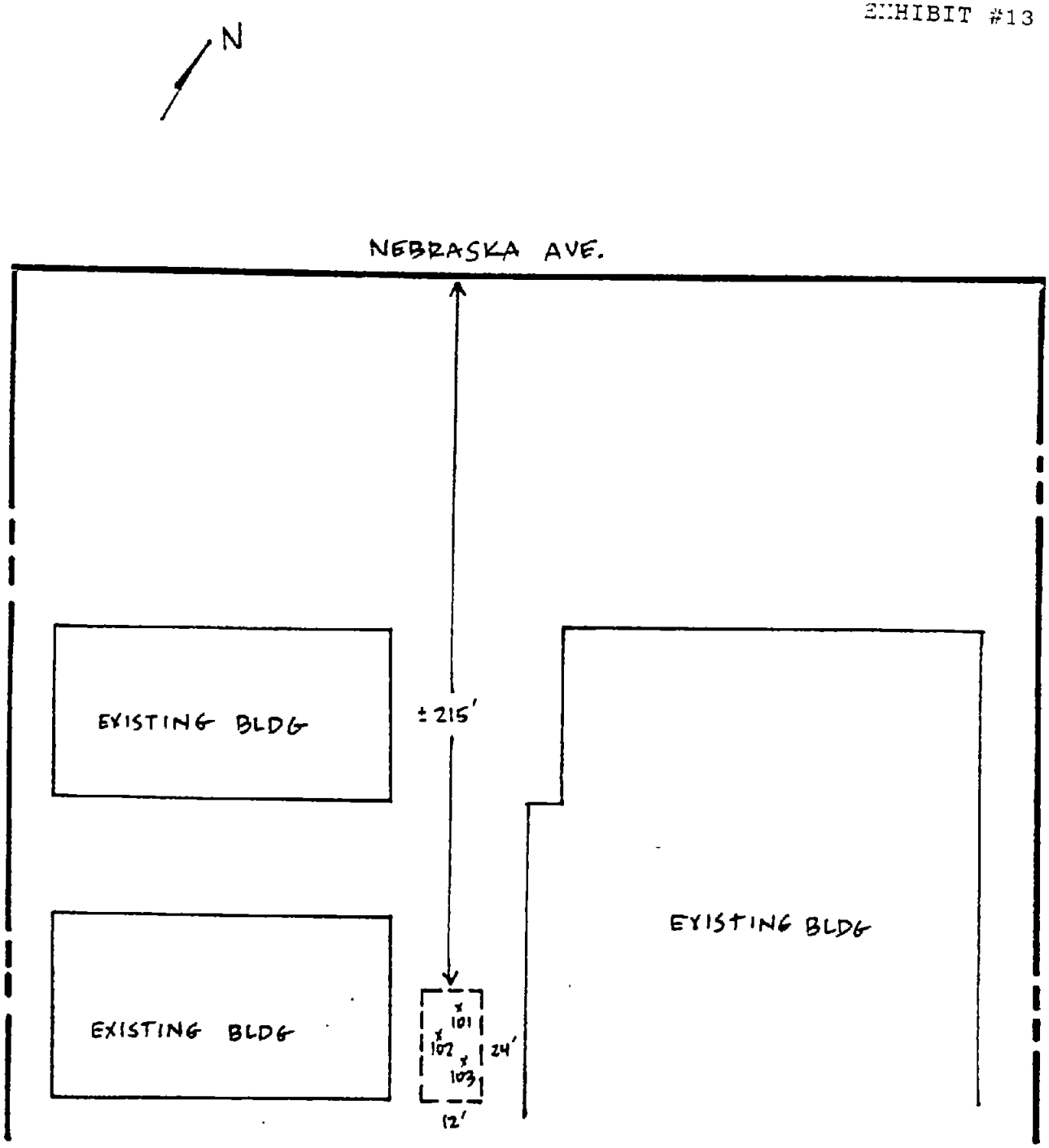
TABLE II

COMPACTION TESTS RESULTS

Test No.	Depth*	Percent Moisture	Unit Wt. lbs/cu.ft.	Relative Compaction	Soil Type
101	1.0-1.5	10.1	109.5	92	I
102	0.0-0.5	9.8	110.7	93	I
103	0.0-0.5	8.5	110.1	92	I

*Depth below finish grade (in feet)

EXHIBIT #13



APPROXIMATE LOCATION OF COMPACTION TEST

X = COMPACTION TEST

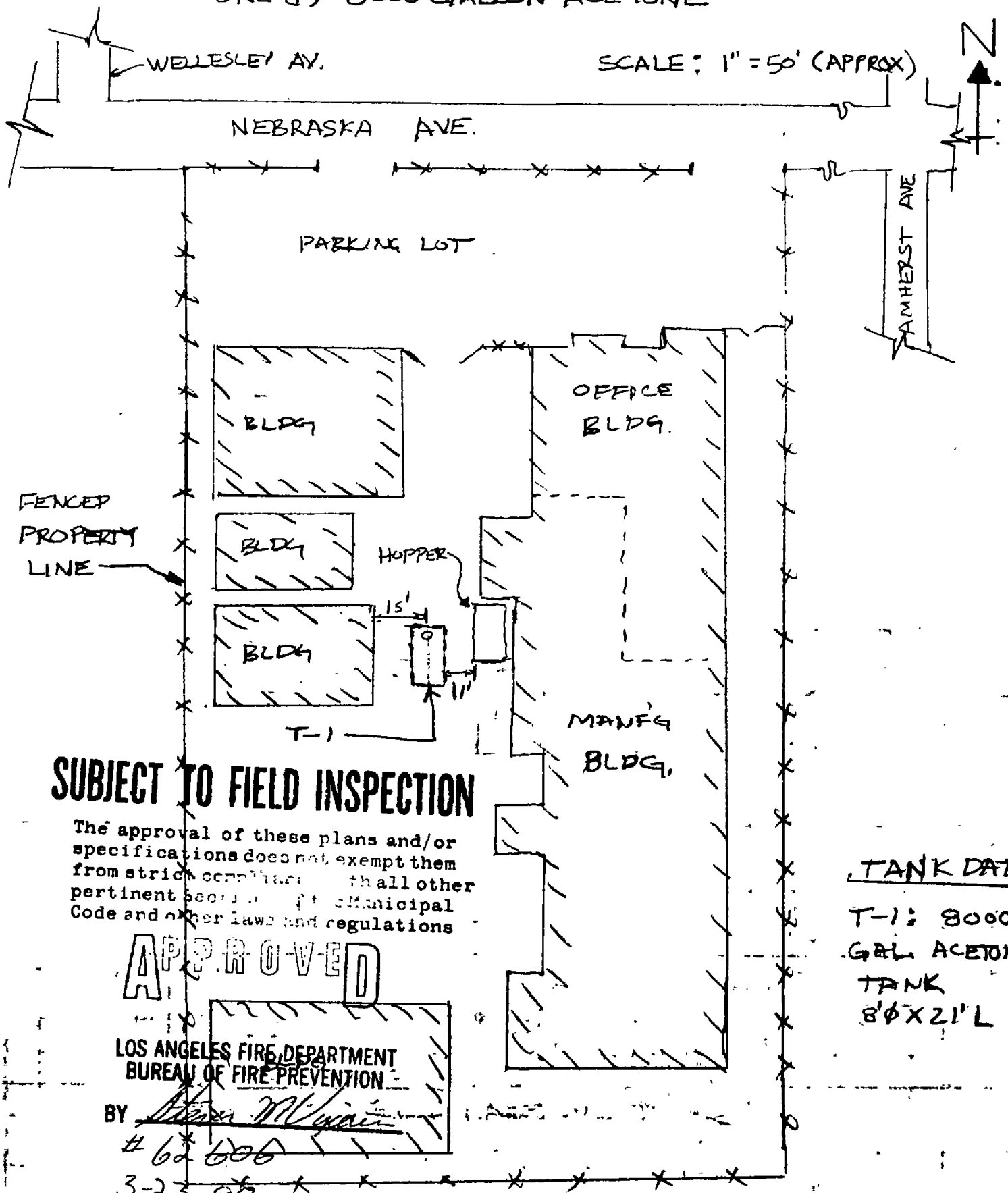
DATE:	5-30-89
SCALE:	N.T.S.
PROJECT NO:	1796-89

AMI ADINI

NorCal ENGINEERI
10571 CALLE LEE, SUITE
LOS ALAMITOS, CA. 90

PLOT PLAN

ADDRESS: 12270 NEBRASKA AVENUE, LOS ANGELES, CA 90025.
OWNER: PLASKON ELECTRONIC MATERIALS, INC.
PROJECT: REMOVAL OF UNDERGROUND SOLVENT STORAGE TANK
ONE (1) 8000 GALLON ACETONE



SUBJECT TO FIELD INSPECTION

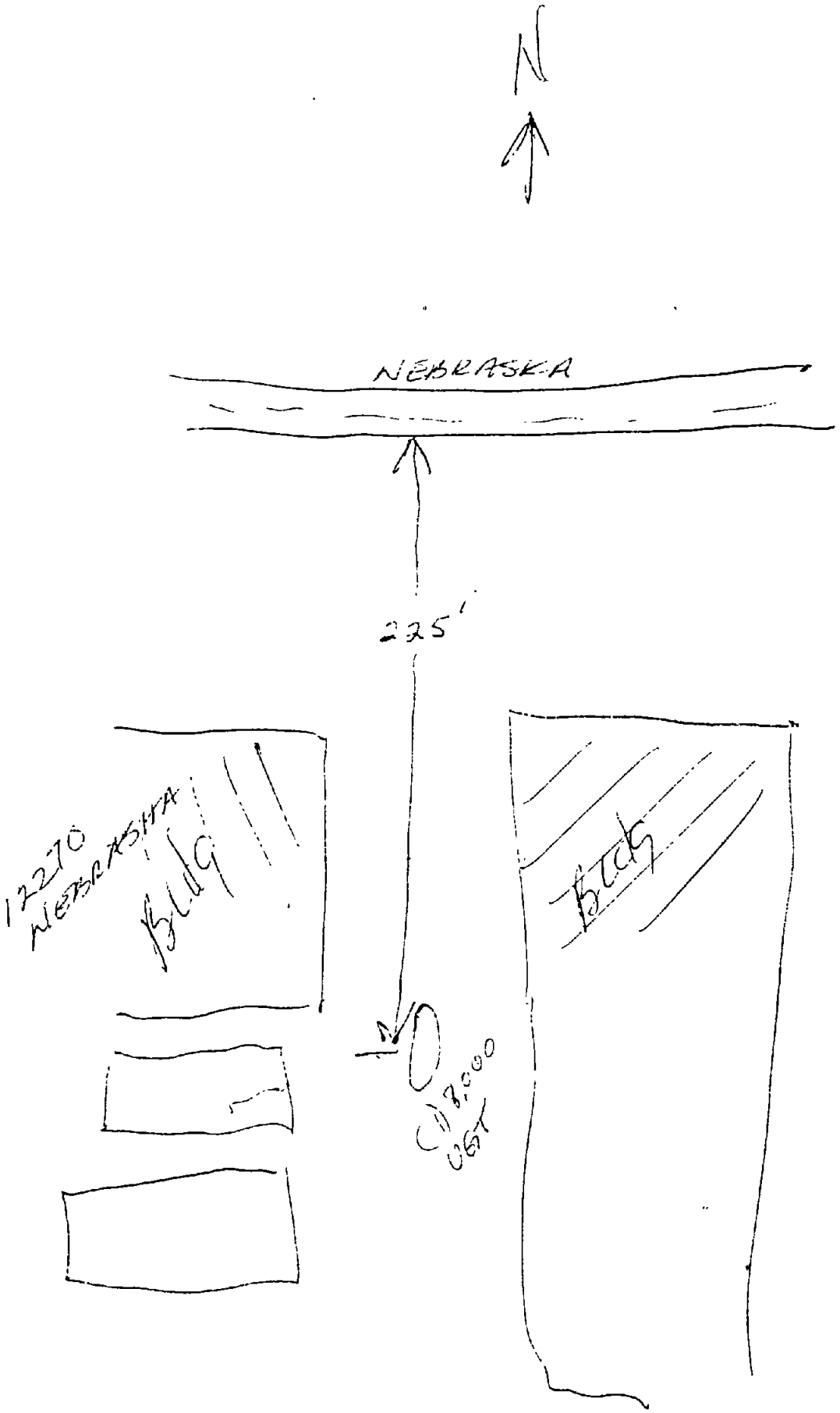
The approval of these plans and/or specifications does not exempt them from strict compliance with all other pertinent sections of the Municipal Code and other laws and regulations

APPROVED

LOS ANGELES FIRE DEPARTMENT
BUREAU OF FIRE PREVENTION
BY [signature]
#62606
3-23-89

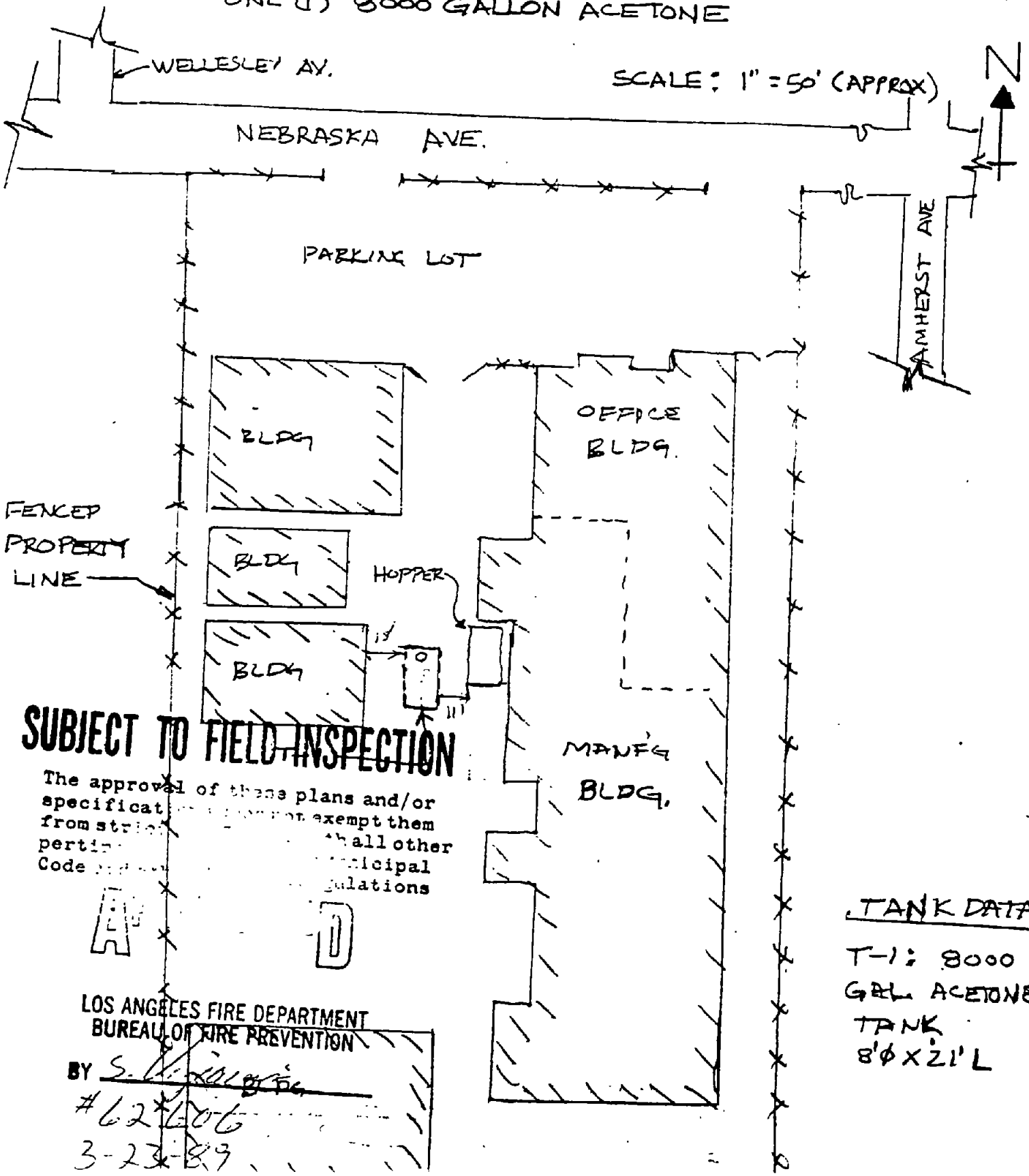
TANK DATA

T-1: 8000 GAL. ACETONE TANK
8'Ø X 21' L


N
NEBRASKA
225'
12270 NEBRASKA
Bldg
Bldg
UST

PLOT PLAN

ADDRESS : 12270 NEBRASKA AVENUE, LOS ANGELES, CA 90025
OWNER: PLASKON ELECTRONIC MATERIALS, INC.
PROJECT : REMOVAL OF UNDERGROUND SOLVENT STORAGE TANK
ONE (1) 8000 GALLON ACETONE



SUBJECT TO FIELD INSPECTION

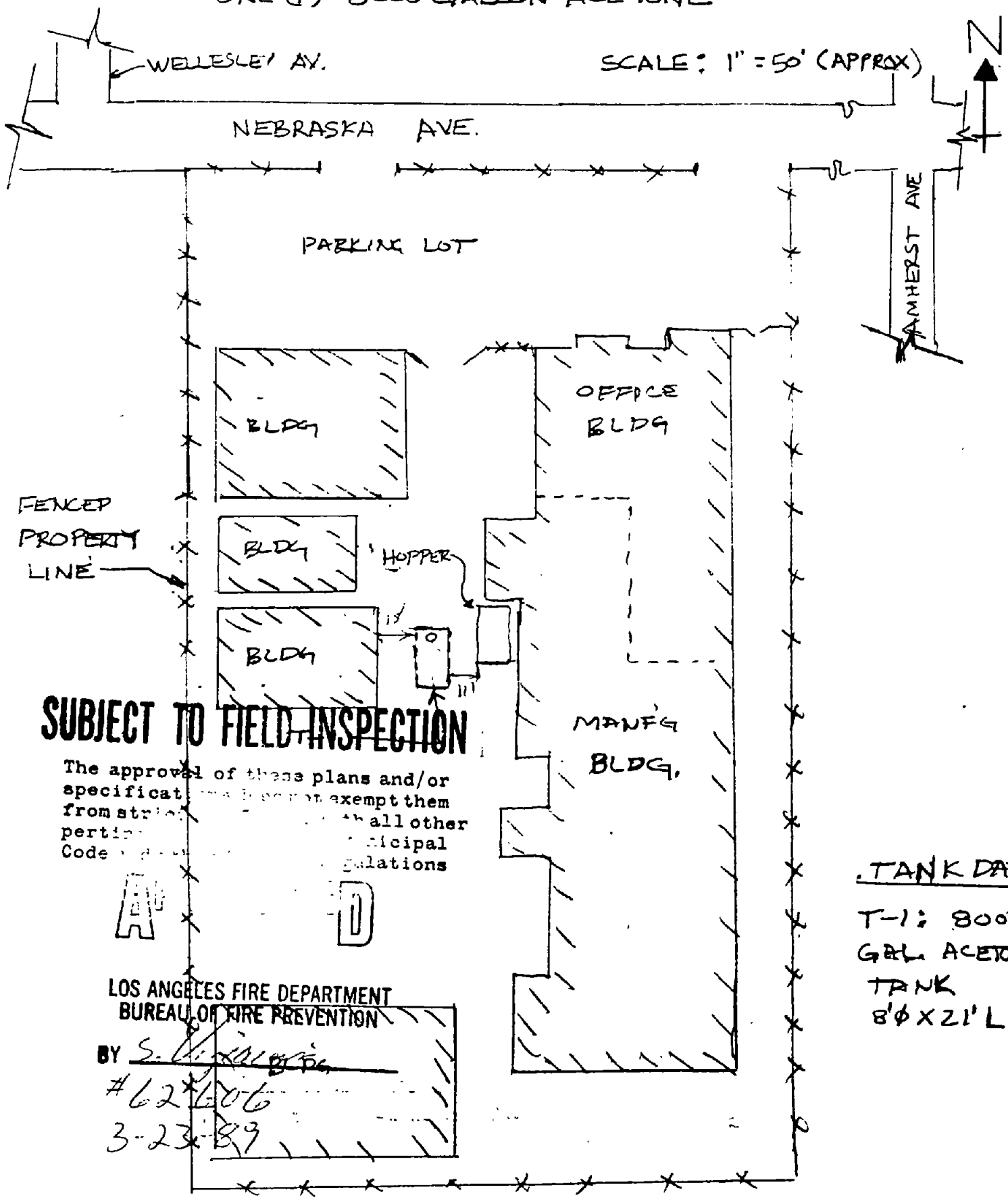
The approval of these plans and/or specifications does not exempt them from strict compliance with all other pertinent provisions of the Municipal Code and regulations

A D

LOS ANGELES FIRE DEPARTMENT
BUREAU OF FIRE PREVENTION
BY S. [illegible]
#62206
3-23-89

PLOT PLAN

ADDRESS: 12270 NEBRASKA AVENUE, LOS ANGELES, CA 90025
OWNER: PLASKON ELECTRONIC MATERIALS, INC.
PROJECT: REMOVAL OF UNDERGROUND SOLVENT STORAGE TANK
ONE (1) 8000 GALLON ACETONE



TANK DATA

T-1: 8000 GAL. ACETONE TANK
8'Ø X 21' L

AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

FINAL CLOSURE REPORT
FOR
UNDERGROUND SOLVENT STORAGE TANK REMOVAL

PREPARED FOR

PLASKON ELECTRONIC MATERIALS, INC.

PERFORMED AT

12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA 90025

SUBMITTED TO

LOS ANGELES CITY FIRE DEPARTMENT
FIRE PREVENTION BUREAU
WEST INDUSTRIAL UNIT

APRIL 17, 1989

AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

April 17, 1989

Los Angeles City Fire Department
Fire Prevention Bureau
West Industrial Unit
7166 West Manchester Avenue
Room B
Los Angeles, California 90045
Attn: Mr. Tom Kinley
Fire Inspector I

Subject: FINAL CLOSURE REPORT FOR UNDERGROUND SOLVENT STORAGE TANK REMOVAL

Gentlemen:

This closure report is in reference to Permit Number 62606 granted on 03-23-89 for one atmospheric underground solvent storage tank permanent removal at 12270 Nebraska Avenue in Los Angeles, California. A copy of the permit and approved Plan is attached.

Reference: Exhibit #1 - L. A. City Fire Dept. Division 5 Permit Granted 03-23-89

Exhibit #2 - L. A. City Fire Dept. Approved Plan, Dated 03-23-89

SITE DESCRIPTION

The site is located at 12270 Nebraska Avenue just west of Bundy Drive in Los Angeles. The site is currently owned and occupied by Plaskon Electronic Materials, Inc. , and consists of several one to two story structures utilized by Plaskon. One underground atmospheric solvent storage tank was located on the site. The tank had a capacity of 8,000 gallons and was used exclusively to store acetone. The tank was of double wall design, with both the primary and secondary tanks of steel construction. The exterior of the outer (secondary) tank was lined with fiberglass for corrosion protection. The tank was installed in the early 1980's according to information obtained from Plaskon.

The attached Site Location Map and Plot Plan detail the location of the site and the underground storage tank.

Reference: Exhibit #3 - Site Location Map

Exhibit #4 - Plot Plan

AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

TANK CLEANING AND REMOVAL PROCEDURES

The 8,000 gallon underground tank was abandoned and removed in accordance with the requirements of the Los Angeles City Fire Department. Prior to removal, the tank contained only a residual amount of product. On March 27, 1989 approximately 400 gallons of remaining acetone liquid was drafted from the tank utilizing a vacuum truck and transported to an appropriate disposal facility. This operation was performed under permit from the Los Angeles City Fire Department. Attached is a copy of the permit.

The residual contents of the acetone storage tank, along with the rinsate used in cleaning the tank was removed and transported under manifest to a legal disposal site on March 27, 1989. All waste material was pumped-out and transported using a vacuum truck. The attached Hazardous Waste Manifest provides documentation of the legal disposal of all waste material removed from the site.

The tank was cleaned on site using high pressure water rinse. The tank was inspected by a Certified Marine Chemist and certified as being clean and vapor free on March 27, 1989. Attached is a copy of the Marine Chemist Certificate.

The tank was removed from the site following on-site inspection and approval by Inspector Tom Kinley of the Los Angeles City Fire Department. Visual inspection of the secondary tank exterior indicated the tank was in excellent condition, with no evidence of corrosion or any holes or cracks in the fiberglass lining. The tank was transported to AMR, located in Ontario, California for disposal on March 27, 1989. Attached is a copy of the certificate of disposal/destruction to document the tank's legal disposal.

Reference:	Exhibit #5	- L. A. City Fire Dept. Permit No. 62607, Granted 03-23-89
	Exhibit #6	- Hazardous Waste Manifest for Disposal of Tank Contents
	Exhibit #7	-Marine Chemist Certificate No. 1117, Dated 03-27-89
	Exhibit #8	- Certificate of Disposal/ Destruction for Tank

AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

SAMPLING/ANALYTICAL METHODS

During the excavation of the tank, the excavated soil was monitored for VOC (Volatile Organic Compounds) using an organic vapor analyzer in accordance with the requirements of the South Coast Air Quality Management District. All readings were found to be less than 5 ppm.

Following the removal of the underground acetone storage tank, grab samples were collected from soil below the tank invert as follows: Two soil samples were collected approximately one foot into natural soil below the tank invert at each end of where the tank was located. All soil samples were collected in previously undisturbed and unexposed natural soil. The soil samples were collected by excavating with a backhoe. The samples were designated as SP-01 (south) and SP-02 (north). The above samples were obtained on March 27, 1989 in the presence and direction of Inspector Tom Kinley of the Los Angeles City Fire Department. The attached Site Sampling Map indicates the location of the soil samples collected.

The soil samples collected by excavation were placed in stainless steel rings measuring 1-1/2 inches in diameter by six inches long. No headspace was allowed in the rings. The ends of the sample tubes were immediately wrapped with Teflon film, and sealed with plastic caps and vinyl tape. Each sample tube was then placed in double ziplock plastic bags. The soil samples were then immediately refrigerated for transport. Soil sampling equipment was cleaned thoroughly between sampling intervals to prevent cross contamination. Samples were handled and transported to a State certified laboratory using chain-of-custody procedures. Copies of the chain-of-custody forms are attached.

The soil samples SP-01 and SP-02 collected were analyzed as follows: Volatile organic solvent compounds (acetone) using EPA method 8015.

Reference: Exhibit #9 - Site Sampling Map

Exhibit #10 - Laboratory Chain-of-Custody Forms

RESULTS OF SOIL SAMPLE ANALYSIS

SOIL CONDITIONS: All soil samples collected were observed to be dry, odorless, and without discoloration.

AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

ANALYTICAL RESULTS: The analyses results for SP-01 collected below the south end of the tank were as follows: Acetone was found to be at a level of 0.56 mg/kg, which is slightly above the analytical detection limit of 0.05 mg/kg.

The analyses results for SP-02 collected below the north end of the tank were as follows: Acetone was found to be at a level of 0.17 mg/kg, which is slightly above the analytical detection limit of 0.05 mg/kg.

The attached laboratory analytical reports indicate the results of all soil sample analyses performed.

Reference: Exhibit #11 - Laboratory Analytical Results

EVALUATION AND CONCLUSIONS

Based on the above results, there is no evidence of contamination in soils adjacent to the underground acetone storage tank to suggest leakage of product has occurred.

CLOSURE

The excavation at the tank was backfilled and recompacted to a minimum of 90 percent relative compaction on March 28, 1989 and March 29, 1989. A Grading Certificate was secured from the City of Los Angeles, Department of Building and Safety, and the excavation was inspected by the department prior to backfilling. Attached is a copy of the Grading Certificate and Inspection Record.

Soil compaction testing was performed on soil backfilled into the excavation. Attached is a report of the results of the soil compaction testing performed.

Reference: Exhibit #12 - Grading Certificate & Inspection Report

Exhibit #13 - Report of Soil Compaction Testing for Backfill of Excavation

AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

Please contact the undersigned if you require any further information on this project.

Respectfully submitted,

AMI ADINI
Registered Environmental Assessor
R.E.A. # 00363

REGISTERED ENVIRONMENTAL ASSESSOR
AMI ADINI
No. 00363
Exp 6/89
STATE OF CALIFORNIA

LSW/lac

cc: Ms. Mandira Simental - Plaskon
Property Owner

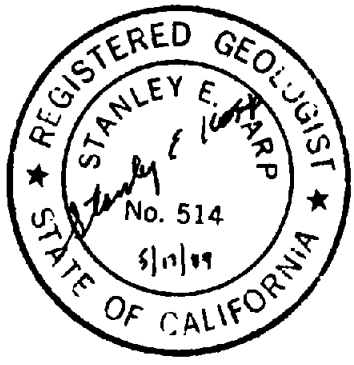
AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

PROFESSIONAL CERTIFICATION

This report (dated April 17, 1989, Permit Number 62606 of the City of Los Angeles Fire Dept.) has been reviewed and approved by the California Registered Geologist whose seal and signature appear hereon.

Stanley E. Karp
California Registered Geologist
No. 514



AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

ATTACHMENTS

Exhibit #1 - L. A. City Fire Dept. Division 5 Permit Granted 03-23-89

Exhibit #2 - L. A. City Fire Dept. Approved Plan, Dated 03-23-89

Exhibit #3 - Site Location Map

Exhibit #4 - Plot Plan

Exhibit #5 - L. A. City Fire Dept. Permit No. 62607, Granted 03-23-89

Exhibit #6 - Hazardous Waste Manifest for Disposal of Tank Contents

Exhibit #7 -Marine Chemist Certificate No. 1117, Dated 03-27-89

Exhibit #8 - Certificate of Disposal/ Destruction for Tank

Exhibit #9 - Site Sampling Map

Exhibit #10 - Laboratory Chain-of-Custody Forms

Exhibit #11 - Laboratory Analytical Results

Exhibit #12 - Grading Certificate & Inspection Report

Exhibit #13 - Report of Soil Compaction Testing for Backfill of Excavation

EXHIBIT #1
L. A. CITY FIRE DEPT. DIVISION 5 PERMIT GRANTED 03-23-89
12270 NEBRASKA AVENUE PROPERTY

F-350

WEST ICU

Granted 03 23 89
Expires 03 23 90

Fire Department
City of Los Angeles
PERMIT

Reg. No. 62606
Fee Paid EXEMPT 714

In accordance with terms of the application on file with the Fire Prevention Bureau, permission is granted to: MUST COMPLY WITH FPB REQUIREMENT NO. 41

Name
PLASKON ELECTRONIC MATERIALS, INC.

Mail to
AMI ADINI & ASSOCIATES
1837 N. BERENDO ST.
LOS ANGELES, CA 90027

Permit to: Abandon 1 atmospheric tank(s) as per plans and specifications submitted to the FIRE Prevention Bureau & subject to the FIELD INSPECTOR'S approval at the site.

Location
12270 NEBRASKA AVE.
LOS ANGELES, 90025

BY ORDER OF CHIEF ENGINEER

By: C. V. Drummond
Fire Marshal

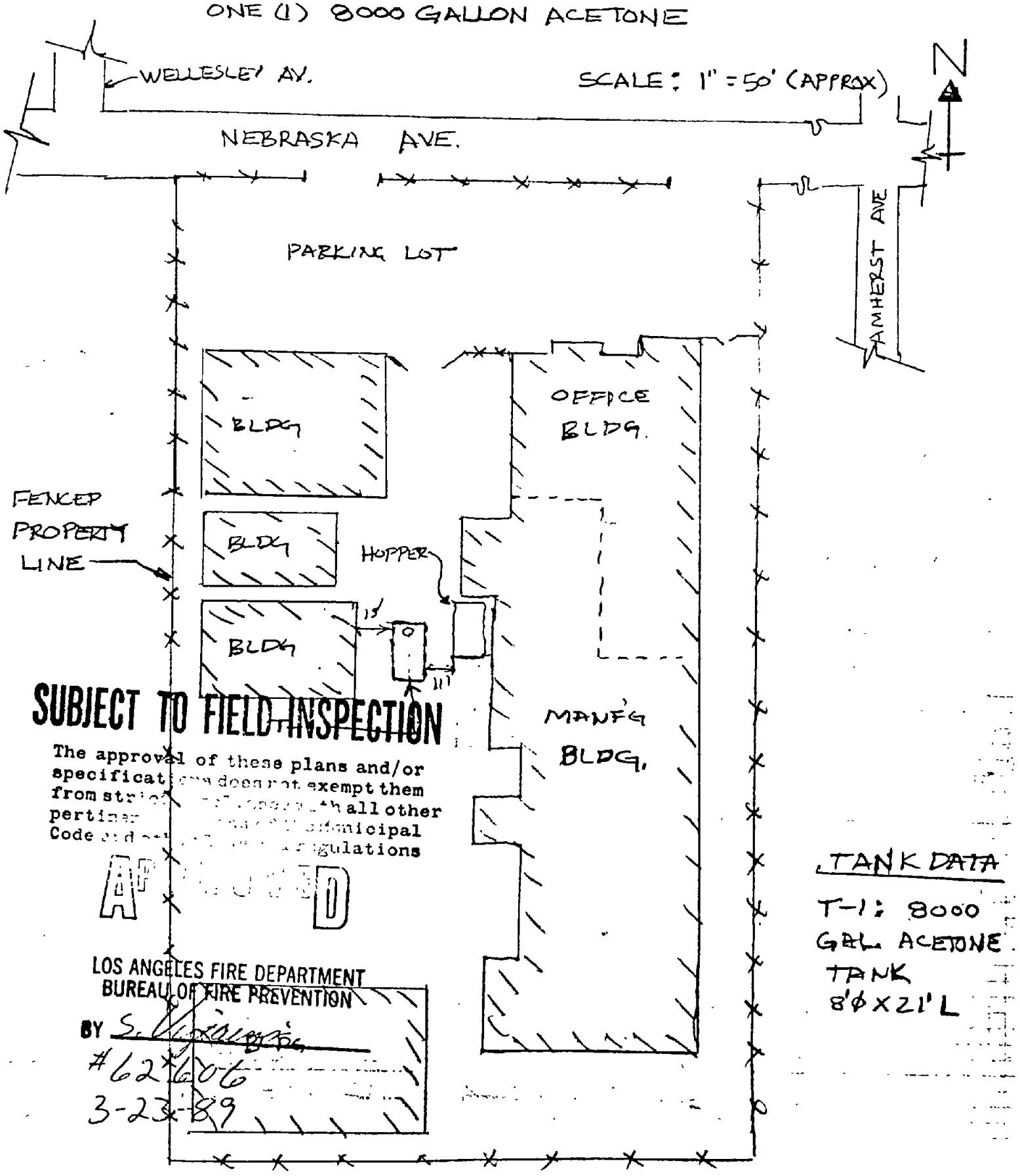
SMV

EXHIBIT #2
L. A. CITY FIRE DEPT. APPROVED PLAN, DATED 03-23-89
12270 NEBRASKA AVENUE PROPERTY

PLOT PLAN

EXHIBIT #2

ADDRESS: 12270 NEBRASKA AVENUE, LOS ANGELES, CA 90025
OWNER: PLASKON ELECTRONIC MATERIALS, INC.
PROJECT: REMOVAL OF UNDERGROUND SOLVENT STORAGE TANK
ONE (1) 8000 GALLON ACETONE



SUBJECT TO FIELD INSPECTION

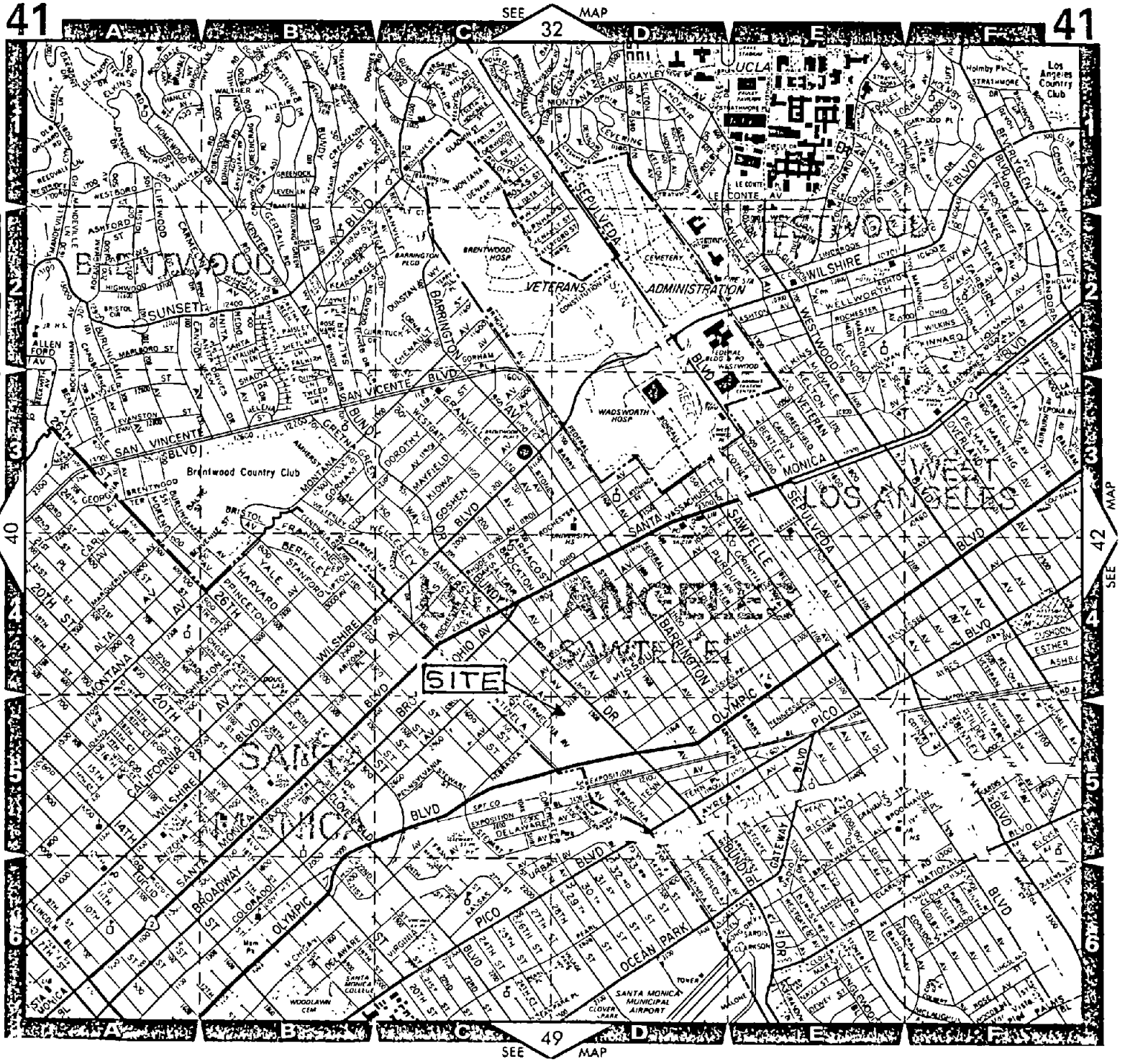
The approval of these plans and/or specifications does not exempt them from strict compliance with all other pertinent [illegible] municipal Code and [illegible] regulations

APPROVED

LOS ANGELES FIRE DEPARTMENT
BUREAU OF FIRE PREVENTION

BY S. [illegible]
#62606
3-23-89

EXHIBIT #3
SITE LOCATION MAP
12270 NEBRASKA AVENUE PROPERTY

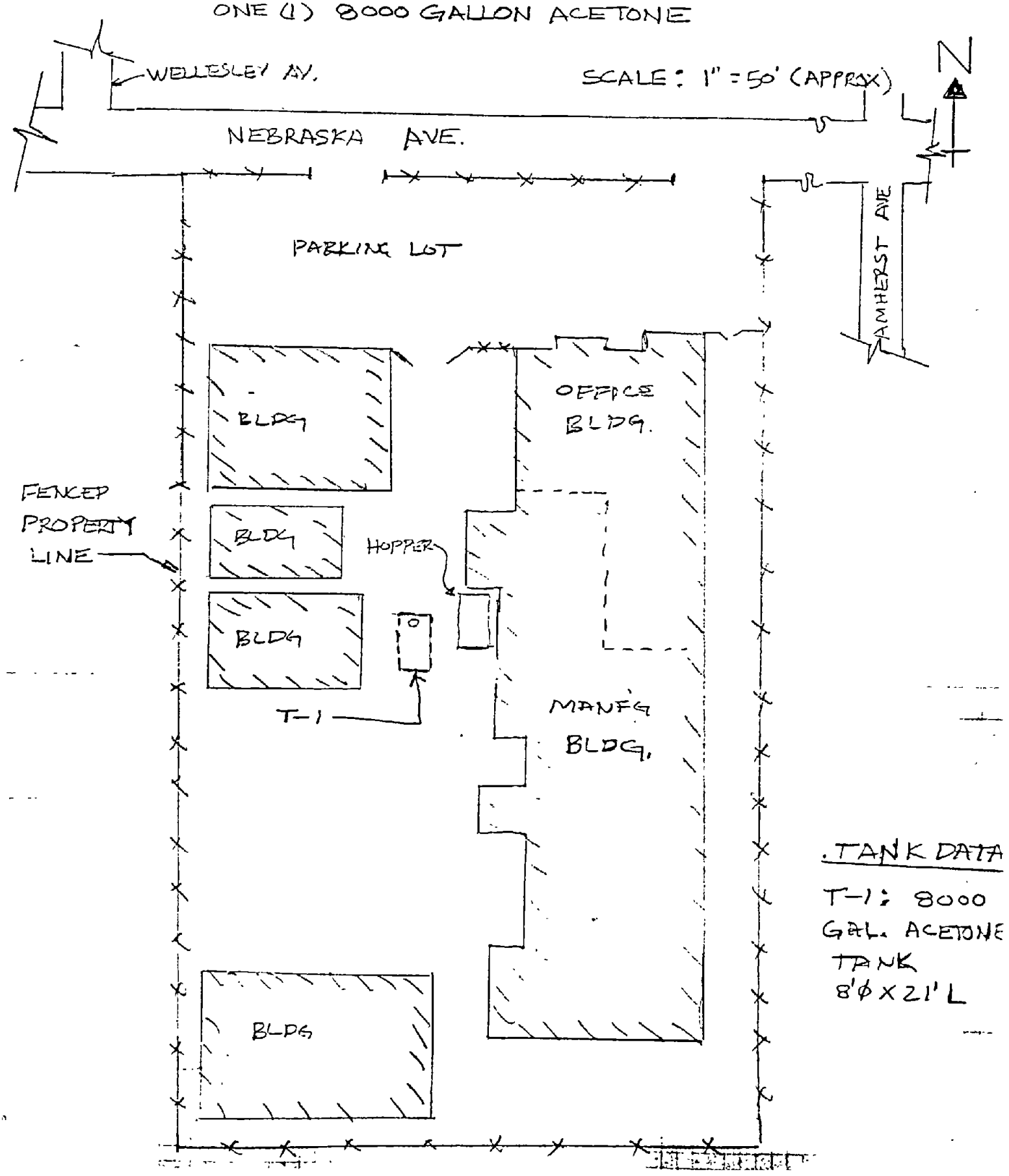


REFERENCE: THE THOMAS GUIDE, LOS ANGELES COUNTY, PAGE 41, SECTION D5, 1988

PLOT PLAN

EXHIBIT #4

ADDRESS: 12270 NEBRASKA AVENUE, LOS ANGELES, CA 90025
OWNER: PLASKON ELECTRONIC MATERIALS, INC.
PROJECT: REMOVAL OF UNDERGROUND SOLVENT STORAGE TAN
ONE (1) 8000 GALLON ACETONE



TANK DATA

T-1: 8000 GAL. ACETONE TANK 8'ϕ X 21' L

EXHIBIT #5
L. A. CITY FIRE DEPT. PERMIT NO. 62707, GRANTED 03-23-89
12270 NEBRASKA AVENUE PROPERTY

F-350

Granted 3-23-89
Expires 3-23-90

Fire Department
City of Los Angeles
PERMIT

Reg. No. 62607
Fee Paid $140.00

In accordance with terms of the application on file with the Fire Prevention Bureau, permission is granted to:

Name PLASKON ELECTRONIC MATERIALS, INC.

Mail to 12270 Nebraska Avenue
Los Angeles, CA 90025

Permit to: Transfer of flammable liquids in a manner not otherwise regulated by this article.

Location 12270 Nebraska Ave.

BY ORDER OF CHIEF ENGINEER

By: _____
Fire Marshal

EXHIBIT #6
HAZARDOUS WASTE MANIFEST FOR DISPOSAL OF TANK CONTENTS
12270 NEBRASKA AVENUE PROPERTY

State of California—Health and Welfare Agency
Form Approved OMB No 2050—0039 (Expires 9-30 91)
Please print or type (Form designed for use on elite (12-pitch typewriter)

EXHIBIT #6

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CAD008375487 | Manifest Document No: 601138

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address: PLASKON ELECTRONIC MATERIALS, INC 00002
12270 NEBRASKA AVE., LOS ANGELES 9002

4. Generator's Phone (213) 272-4471

A. State Manifest Document Number: 88000132

B. State Generator's ID: [illegible]

5. Transporter 1 Company Name: Oil & Solvent Process Co.

6. US EPA ID Number: [illegible]

C. State Transporter's ID: 906353

D. Transporter's Phone: 818/334-5117

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address:
Oil & Solvent Process Co.
1704 W. First St.
Azusa, CA 91702

10. US EPA ID Number: [illegible]

G. State Facility's ID: [illegible]

H. Facility's Phone: (818) 334-5117

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No
a. Waste Acetone, Solution of UN1090 Flammable Liquid, ~~Waste~~ WASTE (F003) (DOT #7476)	[illegible]	[illegible]	00450	G	State 213 / EPA/Other F003
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Waste acetone, water
Profile: LAX H18219

K. Handling Codes for Wastes Listed Above
a. b.
c. d.

15. Special Handling Instructions and Additional Information
Wear gloves and goggles

BC# 124-29

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford

Printed/Typed Name	Signature	Month Day Year
Mandira Simental	Mandira Simental	[illegible]

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
RUDY J LOERA	Rudy J Loera	03 27 89

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name	Signature	Month Day Year

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

Blue GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95812-0400

EXHIBIT #7
MARINE CHEMIST CERTIFICATE NO. 1117, DATED 03-27-89
12270 NEBRASKA AVENUE PROPERTY

EDWIN S. WYNKOOP, P.E. and ASSOCIATES
CERTIFIED SAFETY PROFESSIONAL
LICENSE NO. 2960
(818) 333-0873

EXHIBIT #7

15241 Valdemar Dr.
Hacienda Heights, CA 91745

CERTIFICATE SERIAL No 1117

Nieto & Son's	Plascon	3-27-89
Survey Requested by	Vessel Owner or Agent	Date
Tank	Steel	12270 Nebraska- Los Angeles
Vessel	Type of Vessel	Specific Location of Vessel
Acetone	LEL- O_2 - Visual	155 PM
Last Three (3) Cargoes	Tests Performed	Time Survey Completed

This underground Tank identified with Red Paint - 1117 - LAFD - 62603

Tank Tested 0% LEL / 20.9% Oxygen

*1 - Tank 6000 gal. Cap. UL J-227538

Safe For Hot Work

Not Safe For Workers To Enter

Not Tested For Specific Toxics

This Tank has been Washed "on-site" and Certified as Clean and Vapor Free (zero percent of The Lower Explosive Limit) This Cleaned Tank is No longer a hazard waste and may Be Transported For either disposal, material recycling or Salvage

In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned.

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS (partial list, paraphrased form NFPA 306 Subsections 1-6.1 through 1-6 4, and Subsection 5-3.2).

SAFE FOR WORKERS Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19 5 percent by volume, and that, (b) toxic materials in the atmosphere are within permissilbe concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Certificate

NOT SAFE FOR WORKERS Means that in the compartment or space so designated, the requirements of Safe for Workers have not been met.

ENTER WITH RESTRICTIONS. Means that in any compartment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing, and time are as specified

SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19 5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of the fuel tanks or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the requirements.

NOT SAFE FOR HOT WORK Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.

SAFE FOR REPAIR YARD ENTRY Means that the compartments and spaces of the flammable cryogenic liquid carrier so designated (a) have been tested by sampling at remote sampling stations, and results indicate the atmosphere tested to be above 19 5 percent oxygen, and less than 10 percent of the lower flammable limit, or b) are inerted.

CERTIFIED SAFETY PROFESSIONAL'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards in tanks, etc., have been found the condition of each to be in accordance with the assigned designation.

"The undersigned acknowledges receipt of this Certificate under Section 2-3 of NFPA 306 and understands conditions and limitations under which it was issued."

Signed [illegible] 3-27-89
Name Date

Company

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions

Signed [illegible] For

Edwin Wynkoop 2960
Certified Safety Professional Certificate No

1988 Edition

EXHIBIT #8
CERTIFICATE OF DISPOSAL/DESTRUCTION FOR TANK
12270 NEBRASKA AVENUE PROPERTY

AMERICAN FUEL TANK METAL RECYCLING, INC.

2202 South Milliken Avenue
Ontario, CA 91761
(714) 947-2888

No. 30477

TANK DISPOSAL FORM

Date: 3-23 ,19 89
Job #
P. O. #

CONTRACTOR: Ami Adini + Assoc
ADDRESS: 1837 N. Berendo St. L.A., CA 90027
JOB SITE: Plaskon
ADDRESS: 12270 Nebraska Av. L.A., CA
DESTINATION: A.M.R. 2202 S. Milliken Ave., Ontario, CA 91761

DATE	TIME	PROJECTED TANKS	ORDERED BY	LIC NO
3-27-89	12:00	1-8,000		6

SPECIAL INSTRUCTIONS: One Truck

TIME IN: 11:45 Am
TIME OUT: 3:45 Pm

3 Hrs. 45 min. loading time

✓	Services Rendered	Cost
✓	Disposal Fee	200 00
✓	Extensive Loading Time	150 00
	Disposal Fee with Permit	300 00
	Fiberglass Tank Disposal Fee Per Tank	400 00
	Delivered	200 00
	Bobtail Disposal Fee	250 00
	Cancellation Fee	250.00
	TOTAL CHARGES	$350.00

All fees incurred are per load unless specified. Terms are net 30 days from date of invoice. Contractor's signature represents acceptance of terms for payment, and confirms that tank removal complies with State laws.

Larry S Witmer
CONTRACTOR'S SIGNATURE

TANKS RECEIVED

QTY.	GALLONS	TYPE F*	TYPE S*	NET TONS	TOTAL
	280	☐	☐	.14	
	500	☐	☐	.21	
	550	☐	☐	.24	
	1000 - 12 ft	☐	☐	.44	
	1000 - 6 ft	☐	☐	.61	
	1500	☐	☐	.87	
	2000	☐	☐	97	
	2500	☐	☐	1.14	
	3000	☐	☐	1 32	
	4000	☐	☐	1 64	
	5000	☐	☐	2 42	
	6000	☐	☐	2.84	
	7500	☐	☐	3 26	
1	8000	☐	☐	3 44	3.44
	9000	☐	☐	3 82	
	10000	☐	☐	4 33	
	12000	☐	☐	4 93	

NO. OF TANKS: 1 TOTAL NET TONS: 3.44

*F — FIBERGLASS *S — STEEL 105

CERTIFICATE OF TANK DISPOSAL / DESTRUCTION

THIS IS TO CERTIFY THE RECEIPT AND ACCEPTANCE OF THE TANK(S) AS SPECIFIED ABOVE ALL MATERIALS SPECIFIED HAVE BEEN COMPLETELY DESTROYED FOR SCRAP PURPOSES ONLY

K. Patton
AUTHORIZED REP

3-27-89
DATE

CONTRACTOR COPY

SITE SAMPLING MAP

EXHIBIT #9

ADDRESS: 12270 NEBRASKA AVENUE, LOS ANGELES, CA 90025
OWNER: PLASKON ELECTRONIC MATERIALS, INC.
PROJECT: REMOVAL OF UNDERGROUND SOLVENT STORAGE TANK
ONE (1) 8000 GALLON ACETONE

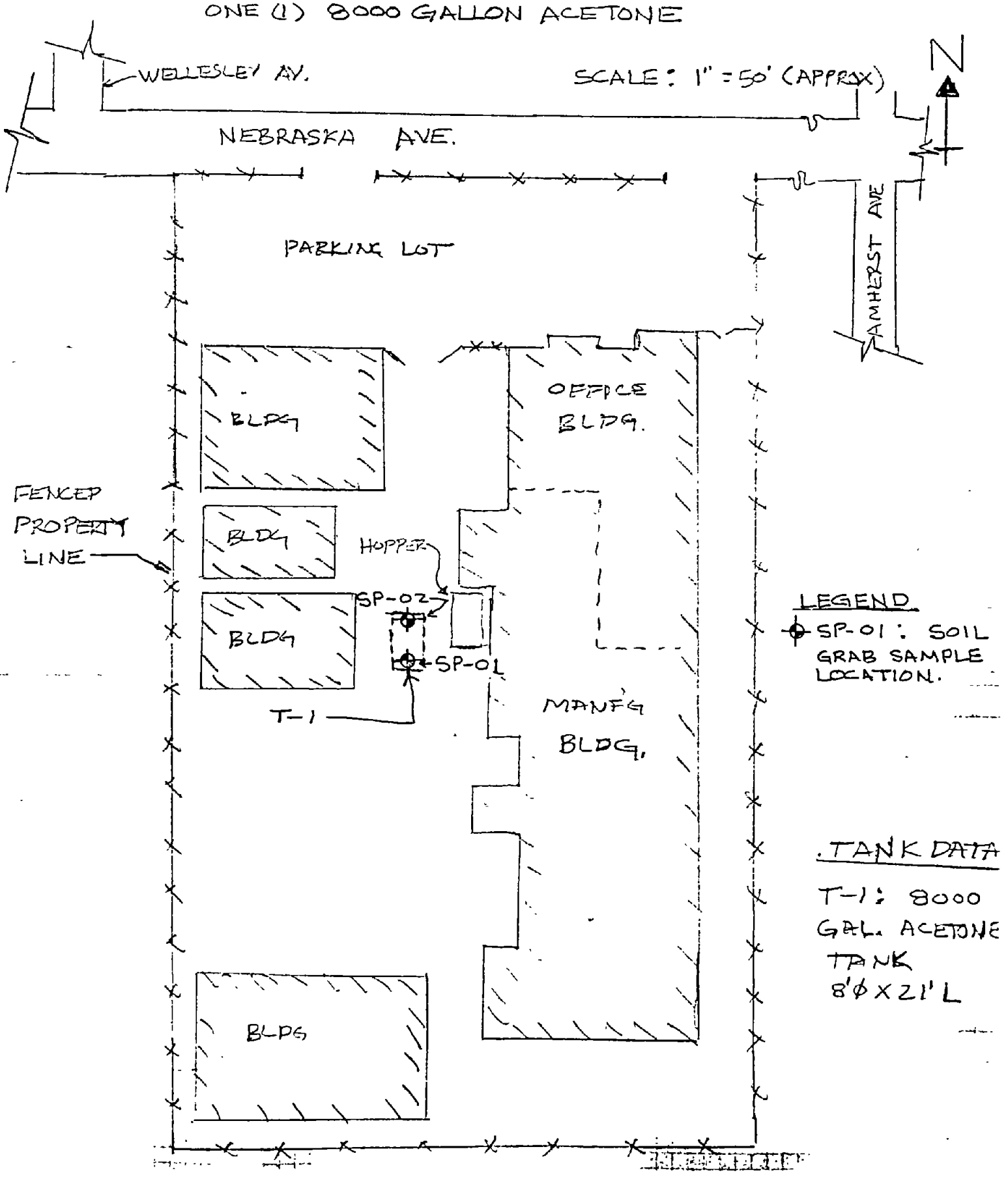


EXHIBIT #10
LABORATORY CHAIN-OF-CUSTODY FORMS
12270 NEBRASKA AVENUE PROPERTY

Burmah

Burmah Technical Services, Inc.
Analytical Laboratories Division

408 Auburn Avenue, Pontiac, Michigan 48058 ☐
700 S. Flower St., Burbank, CA 91502 ☐
☐

CHAIN OF CUSTODY

Client: AMI ADINI & ASSOCIATES
Address: 1837 N. BERENDO ST.
LOS ANGELES, CA 90027

Contact person: AMI ADINI
Phone # (213) 667-2087
PO # VERBAL
Project: PLASKON ELECTRONIC MATERIALS, INC
12270 NEBRASKA AVE., LOS ANGELES

Special Handling Request
☒ Rush (2-1 HR)
☒ Verbal
☐ Other

Sample ID	Date	Time	Grab	Comp	No. of Containers	Waste Type	Preservation	Analysis request
SP-01 (SOUTH)	3-27-89	3:15 PM	X		1	SOIL	ICE CHEST	ACETONE VIA 8015
SP-02 (NORTH)	3-27-89	3:35 PM	X		1	SOIL	ICE CHEST	ACETONE VIA 8015
								(ok/cold)

Collected by: Larry S Wittner 3-27-89 3:15 PM
Received by: Date Time
Received by: Date Time
Received for laboratory by: [illegible] Date 3-27-89 Time 4:27 PM
Final disposition:

Delivery by: Larry S Wittner Date 3-27-89 Time 4:27 PM
Relinquished by: Larry S Wittner Date 3-27-89 Time 4:27 PM
Relinquished by: Date Time
Comments (Precautions/hazards)

EXHIBIT #10

EXHIBIT #11
LABORATORY ANALYTICAL RESULTS
12270 NEBRASKA AVENUE PROPERTY

EXHIBIT #11

Burmah

Burmah Technical Services, Inc
Analytical Laboratories Division

700 South Flower Street
Burbank, California 91502

213-849-6591

ANALYTICAL REPORT

Date Received: 03/27/89

Date Reported: 03/29/89

Client : Ami Adini Associates
1837 N. Berendo St.
Los Angeles CA 90027
Attn: Larry Witwer

Sample Description: Soil Samples

Investigation : Plaskon Electronic Materials
2270 Nebraska Ave. LA

Lab. No.	Sample No.	mg/kg Acetone
BSS-5881	SP-01 South	0.56
BSS-5882	SP-02 North	0.17
Detection Limit		0.05

< - Less than detection limit

Acetone - Analyzed by EPA-8015

Harold Vernon
Manager Analytical Services

QUALITY CONTROL DATA

REPORT DATE: 03/29/89

Procedure - 8015
Samples Analyzed in this QC Set

Parameter - Units (mg/kg)
Blank
Lab #: BSS-5881
0/0 Recovery
Relative 0/0 Difference
Surrogate - 0/0 Recovery Chlorobenzene 93

Parameter - Units (mg/kg)
Blank
Lab #: BSS-5882
0/0 Recovery
Relative 0/0 Difference
Surrogate - 0/0 Recovery Chlorobenzene 94

EXHIBIT #12
GRADING CERTIFICATE & INSPECTION REPORT
12270 NEBRASKA AVENUE PROPERTY

EXHIBIT #12

G APPLICATION FOR INSPECTION — CITY OF LOS ANGELES — DEPT OF BUILDING AND SAFETY — OF GRADING AND FOR GRADING CERTIFICATE

INSTRUCTIONS: 1. Applicant to Complete Numbered Items Only. 2. Plot Plan Required on Back of Original.

1. LEGAL DESCR.	LOT: 21	BLK:	TRACT: Santa Monica Sawtelle St	COUNCIL DIST NO.: 11	DIST MAP: 123-145 / CENSUS TRACT: 2575
2. PURPOSE OF GRADING: 60) Backfill Excavation from Tank Removal					ZONE: M2-1
3. JOB ADDRESS: 12270 Nebraska Avenue					FIRE DIST.: II
4. BETWEEN, CROSS STREETS: Centinela	AND: Bundy Dr				LOT (TYPE): Int
5. OWNER'S NAME: Plaskon Electronic Materials, Inc	PHONE: 213-272-4471				LOT SIZE: Irreg
6. OWNER'S ADDRESS: 12270 Nebraska Ave	CITY: L.A.	ZIP: 90025			
7. PLANS BY CIVIL ENGR	BUS LIC. NO.	ACTIVE STATE LIC. NO.	PHONE		ALLEY
8. CIVIL ENGR. ADDRESS	CITY	ZIP			BLDG LINE
9. ENGR. GEOLOGIST	BUS. LIC NO	ACTIVE STATE LIC. NO /CERT NO.	PHONE		AFFIDAVITS: ZI 1449
10. SOIL ENGR —TESTING AGENCY: Norcal Eng	BUS LIC NO.: 10036	ACTIVE STATE LIC NO: RGE841	PHONE: 213-267-0125		
11. CONTRACTOR: Ami Adini & Assoc	BUS LIC NO: G99560	ACTIVE STATE LIC NO: 523230	PHONE: 213-667-2087		
12. CONTRACTOR'S ADDRESS: 1837 N. Berendo Street L.A.	CITY	ZIP: 90027			P C REQ'D
G 13. JOB ADDRESS: 12270 Nebraska Avenue			STREET GUIDE		DIST OFFICE: WLA
14. NUMBER OF CUBIC YARDS	CUT	FILL			SEISMIC STUDY ZONE

15. MAXIMUM SLOPE CUT FILL	RETAINING WALL REQUIRED YES (NO)	BOARD FILE NO	GRADING	FLOOD
FILL DENSITY TESTS & CERTIFICATION ☒ 90% REQUIRED ☐ NOT REQUIRED			HWY DED: yes	CONS
		IMPORT/EXPORT REQ.	ZONED BY: C. Lea	
CALIF. ENVIRONMENTAL QUALITY ACT REQUIREMENTS (EXEMPT) COMPLETED		YARDAGE APPROVED	FILE WITH	
		PLANS CHECKED	TYPIST: R. Moore	
BOND ☐ CASH ☐ SURETY — AMOUNT / DATE POSTED / CA #		APPLICATION APPROVED	INSPECTOR	

B & S B-100 (R 2/87)

PC	GPI	GPI INSPECTOR
SPC	IF	Claims for refund of fees paid on permits must be filed 1 Within one year from date of payment of fee, or 2 Within one year from date of expiration of extension for building or grading permits granted by the Dept of B & S SECTIONS 22 12 & 22 13 LAMC
GP	OSS	
DIST OFFICE	SOSS	
PC NO		

Unless a shorter period of time has been established by an official action, plan check approval expires one year after the fee is paid and this permit expires two years after the fee is paid or 180 days after the fee is paid if construction is not commenced

CASHIER'S USE ONLY

EXHIBIT #12

DEPARTMENT OF BUILDING AND SAFETY

INSPECTION RECORD

CITY OF LOS ANGELES

ADDRESS OF JOB

0 2 7 4 0 0 MAR 23 '89

NATURE OF WORK

LA

BLDG. PERMIT NO.

OWNER

Inspections	Date	Inspector
GRADING INSPECTIONS		
Initial Grading		
Toe or Bottom		
DO NOT PLACE FILL UNTIL ABOVE IS SIGNED		
Excavation		
Fill		
Drainage Devices		
Rough Grading		
BUILDING AND MECHANICAL INSPECTIONS		
Footing Excavation		
Forms		
Reinforcing Steel		
OK to Place Footings		
DO NOT PLACE CONCRETE UNTIL ABOVE IS SIGNED		
Heating & Refrig. Groundwork		
Electrical Groundwork		
Plumbing Groundwork		
Gas Piping Groundwork		
OK to Place Slab Floor		
DO NOT PLACE CONCRETE SLAB FLOOR UNTIL ABOVE IS SIGNED		

Do Not Call for Framing Inspection Until Electrical, Plumbing & Heating Approvals have been Obtained.

Inspections	Date	Inspector
Rough Electrical		
Rough Plumbing		
Rough Heating & Refrig		
Rough Handicapped		
Rough Framing		
Rough Fire Sprinklers		
Insulation		
OK to Cover		
DO NOT COVER UNTIL ABOVE IS SIGNED		
Exterior Lathing		
Interior Lathing		
OK to Plaster		
DO NOT PLASTER UNTIL ABOVE IS SIGNED		
WORK OUTSIDE BUILDING		
Sewer		
Gas		
Heating & Refrigeration		
Electrical Underground		
FINAL INSPECTIONS		
Final Electrical		
Final Gas		
Final Plumbing		
Final Heating & Refrigeration		
Final Fire Sprinklers		
Final L.A.F.D OK Title 19 Jobs Only		
Final Handicapped		
Final Grading		
Final		

EXHIBIT #13
REPORT OF SOIL COMPACTION TESTING FOR BACKFILL OF EXCAVATION
12270 NEBRASKA AVENUE PROPERTY

NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS
10571 CALLE LEE SUITE 155 LOS ALAMITOS, CA 90720
(714) 826-4231 (213) 267-0125
FAX (714) 826-2514

EXHIBIT #13

May 31, 1989

Project Number 1796-89

Ami Adini and Associates
1837 N. Berendo Street
Los Angeles, California 90027

Re: Inspection and Testing of Grading Operations - Tank Excavation Backfill - Located at 12270 Nebraska Avenue, in the City of Los Angeles, California

Dear Sirs:

Pursuant to your request, compaction tests were obtained at the above-referenced location.

Results of the compaction tests are attached and locations of these tests are shown on the accompanying plot plan.

All work was performed in accordance with the requirements of the City of Los Angeles, and with all present day standards of the Soils Engineering Industry.

All vegetation and demolition debris was stripped and removed from the fill area prior to the placement of any fill soils.

The existing low density soils were removed to competent natural ground, the exposed surface scarified, moisture conditioned and then recompacted to a minimum of 90% relative compaction.

The excavation ± 12.0 feet in depth was backfilled to within 2.0 feet of grade with 3/4" gravel. The top 2.0 feet was capped off with compacted fill soils to a minimum of 90% relative compaction.

The relative compaction was determined by Sand Cone Method (ASTM:D-1556-64) and by the Drive Tube Method. The maximum density of the fill soils was obtained by the laboratory standard (ASTM:D-1557-78) and results are shown on Table I. Tests were performed a minimum of every 500 cubic yards placed and every 2.0 feet in depth of fill placed.

A backhoe was utilized for compaction control. A water hose provided moisture control.

We appreciate this opportunity to be of service to you. If you have any further questions, please do not hesitate to contact the undersigned.

Respectfully submitted,
NORCAL ENGINEERING

Keith D. Tucker
Project Engineer
R.G.E. 841

REGISTERED PROFESSIONAL ENGINEER
KEITH D. TUCKER
No. 841
Exp. 12-31-92
GEOTECHNICAL
STATE OF CALIFORNIA

Troy D. Norrell
President

Project Number 1796-89

TABLE I
MAXIMUM DENSITY TESTS
(ASTM:D-1557-78)

Soil Type	Classification	Optimum Moisture	Maximum Dry Density (lbs./cu.ft.)
I	SAND, fine to medium grained	10.5	119.0

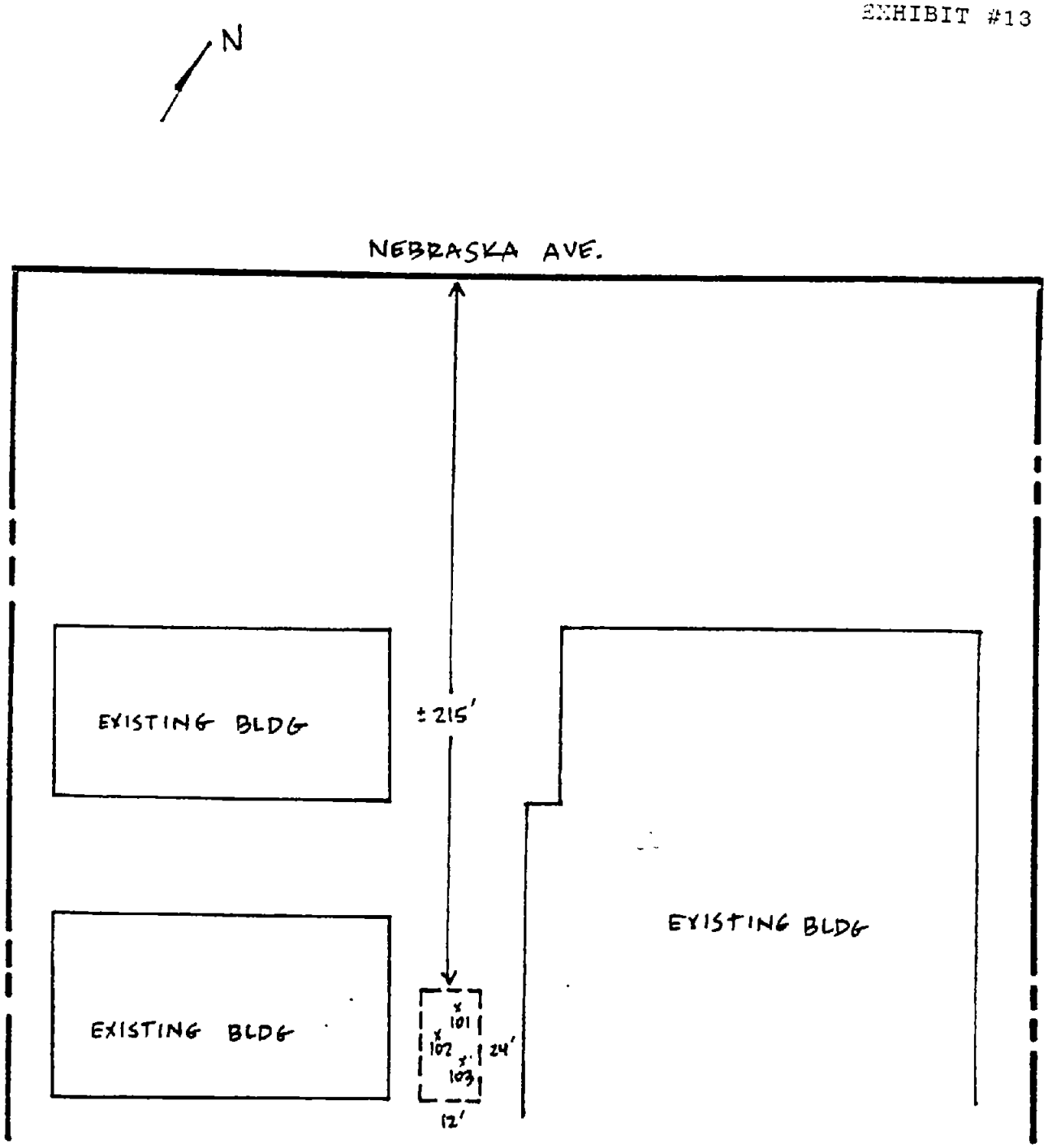
TABLE II

COMPACTION TESTS RESULTS

Test No.	Depth*	Percent Moisture	Unit Wt. lbs/cu.ft.	Relative Compaction	Soil Type
101	1.0-1.5	10.1	109.5	92	I
102	0.0-0.5	9.8	110.7	93	I
103	0.0-0.5	8.5	110.1	92	I

*Depth below finish grade (in feet)

EXHIBIT #13



APPROXIMATE LOCATION OF COMPACTION TEST

X = COMPACTION TEST

DATE:	5-30-89
SCALE:	N.T.S.
PROJECT NO:	1796-89

AMI ADINI

NorCal ENGINEERI
10571 CALLE LEE, SUITE
LOS ALAMITOS, CA. 90

AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

FINAL CLOSURE REPORT
FOR
UNDERGROUND SOLVENT STORAGE TANK REMOVAL

PREPARED FOR

PLASKON ELECTRONIC MATERIALS, INC.

PERFORMED AT

12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA 90025

SUBMITTED TO

LOS ANGELES CITY FIRE DEPARTMENT
FIRE PREVENTION BUREAU
WEST INDUSTRIAL UNIT

APRIL 17, 1989

AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

April 17, 1989

Los Angeles City Fire Department
Fire Prevention Bureau
West Industrial Unit
7166 West Manchester Avenue
Room B
Los Angeles, California 90045
Attn: Mr. Tom Kinley
Fire Inspector I

Subject: FINAL CLOSURE REPORT FOR UNDERGROUND SOLVENT STORAGE TANK REMOVAL

Gentlemen:

This closure report is in reference to Permit Number 62606 granted on 03-23-89 for one atmospheric underground solvent storage tank permanent removal at 12270 Nebraska Avenue in Los Angeles, California. A copy of the permit and approved Plan is attached.

Reference: Exhibit #1 - L. A. City Fire Dept. Division 5 Permit Granted 03-23-89

Exhibit #2 - L. A. City Fire Dept. Approved Plan, Dated 03-23-89

SITE DESCRIPTION

The site is located at 12270 Nebraska Avenue just west of Bundy Drive in Los Angeles. The site is currently owned and occupied by Plaskon Electronic Materials, Inc. , and consists of several one to two story structures utilized by Plaskon. One underground atmospheric solvent storage tank was located on the site. The tank had a capacity of 8,000 gallons and was used exclusively to store acetone. The tank was of double wall design, with both the primary and secondary tanks of steel construction. The exterior of the outer (secondary) tank was lined with fiberglass for corrosion protection. The tank was installed in the early 1980's according to information obtained from Plaskon.

The attached Site Location Map and Plot Plan detail the location of the site and the underground storage tank.

Reference: Exhibit #3 - Site Location Map

Exhibit #4 - Plot Plan

AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

TANK CLEANING AND REMOVAL PROCEDURES

The 8,000 gallon underground tank was abandoned and removed in accordance with the requirements of the Los Angeles City Fire Department. Prior to removal, the tank contained only a residual amount of product. On March 27, 1989 approximately 400 gallons of remaining acetone liquid was drafted from the tank utilizing a vacuum truck and transported to an appropriate disposal facility. This operation was performed under permit from the Los Angeles City Fire Department. Attached is a copy of the permit.

The residual contents of the acetone storage tank, along with the rinsate used in cleaning the tank was removed and transported under manifest to a legal disposal site on March 27, 1989. All waste material was pumped-out and transported using a vacuum truck. The attached Hazardous Waste Manifest provides documentation of the legal disposal of all waste material removed from the site.

The tank was cleaned on site using high pressure water rinse. The tank was inspected by a Certified Marine Chemist and certified as being clean and vapor free on March 27, 1989. Attached is a copy of the Marine Chemist Certificate.

The tank was removed from the site following on-site inspection and approval by Inspector Tom Kinley of the Los Angeles City Fire Department. Visual inspection of the secondary tank exterior indicated the tank was in excellent condition, with no evidence of corrosion or any holes or cracks in the fiberglass lining. The tank was transported to AMR, located in Ontario, California for disposal on March 27, 1989. Attached is a copy of the certificate of disposal/destruction to document the tank's legal disposal.

Reference:	Exhibit #5	- L. A. City Fire Dept. Permit No. 62607, Granted 03-23-89
	Exhibit #6	- Hazardous Waste Manifest for Disposal of Tank Contents
	Exhibit #7	-Marine Chemist Certificate No. 1117, Dated 03-27-89
	Exhibit #8	- Certificate of Disposal/ Destruction for Tank

AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

SAMPLING/ANALYTICAL METHODS

During the excavation of the tank, the excavated soil was monitored for VOC (Volatile Organic Compounds) using an organic vapor analyzer in accordance with the requirements of the South Coast Air Quality Management District. All readings were found to be less than 5 ppm.

Following the removal of the underground acetone storage tank, grab samples were collected from soil below the tank invert as follows: Two soil samples were collected approximately one foot into natural soil below the tank invert at each end of where the tank was located. All soil samples were collected in previously undisturbed and unexposed natural soil. The soil samples were collected by excavating with a backhoe. The samples were designated as SP-01 (south) and SP-02 (north). The above samples were obtained on March 27, 1989 in the presence and direction of Inspector Tom Kinley of the Los Angeles City Fire Department. The attached Site Sampling Map indicates the location of the soil samples collected.

The soil samples collected by excavation were placed in stainless steel rings measuring 1-1/2 inches in diameter by six inches long. No headspace was allowed in the rings. The ends of the sample tubes were immediately wrapped with Teflon film, and sealed with plastic caps and vinyl tape. Each sample tube was then placed in double ziplock plastic bags. The soil samples were then immediately refrigerated for transport. Soil sampling equipment was cleaned thoroughly between sampling intervals to prevent cross contamination. Samples were handled and transported to a State certified laboratory using chain-of-custody procedures. Copies of the chain-of-custody forms are attached.

The soil samples SP-01 and SP-02 collected were analyzed as follows: Volatile organic solvent compounds (acetone) using EPA method 8015.

Reference: Exhibit #9 - Site Sampling Map

Exhibit #10 - Laboratory Chain-of-Custody Forms

RESULTS OF SOIL SAMPLE ANALYSIS

SOIL CONDITIONS: All soil samples collected were observed to be dry, odorless, and without discoloration.

AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

ANALYTICAL RESULTS: The analyses results for SP-01 collected below the south end of the tank were as follows: Acetone was found to be at a level of 0.56 mg/kg, which is slightly above the analytical detection limit of 0.05 mg/kg.

The analyses results for SP-02 collected below the north end of the tank were as follows: Acetone was found to be at a level of 0.17 mg/kg, which is slightly above the analytical detection limit of 0.05 mg/kg.

The attached laboratory analytical reports indicate the results of all soil sample analyses performed.

Reference: Exhibit #11 - Laboratory Analytical Results

EVALUATION AND CONCLUSIONS

Based on the above results, there is no evidence of contamination in soils adjacent to the underground acetone storage tank to suggest leakage of product has occurred.

CLOSURE

The excavation at the tank was backfilled and recompacted to a minimum of 90 percent relative compaction on March 28, 1989 and March 29, 1989. A Grading Certificate was secured from the City of Los Angeles, Department of Building and Safety, and the excavation was inspected by the department prior to backfilling. Attached is a copy of the Grading Certificate and Inspection Record.

Soil compaction testing was performed on soil backfilled into the excavation. Attached is a report of the results of the soil compaction testing performed.

Reference: Exhibit #12 - Grading Certificate & Inspection Report

Exhibit #13 - Report of Soil Compaction Testing for Backfill of Excavation

AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

Please contact the undersigned if you require any further information on this project.

Respectfully submitted,

AMI ADINI
Registered Environmental Assessor
R.E.A. # 00363

REGISTERED ENVIRONMENTAL ASSESSOR
AMI ADINI
No. 00363
Exp 6/89
STATE OF CALIFORNIA

LSW/lac

cc: Ms. Mandira Simental - Plaskon
Property Owner

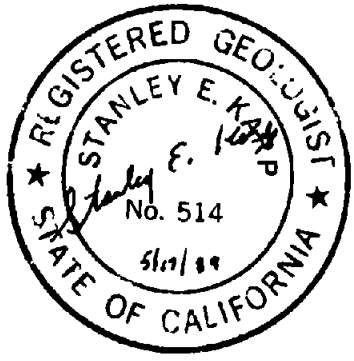
AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

PROFESSIONAL CERTIFICATION

This report (dated April 17, 1989, Permit Number 62606 of the City of Los Angeles Fire Dept.) has been reviewed and approved by the California Registered Geologist whose seal and signature appear hereon.

Stanley E. Karp
California Registered Geologist
No. 514



AMI ADINI & ASSOCIATES

1837 N. BERENDO ST • LOS ANGELES, CALIFORNIA 90027 • TELEPHONE 213/667-2087

ATTACHMENTS

Exhibit #1 - L. A. City Fire Dept. Division 5 Permit Granted 03-23-89

Exhibit #2 - L. A. City Fire Dept. Approved Plan, Dated 03-23-89

Exhibit #3 - Site Location Map

Exhibit #4 - Plot Plan

Exhibit #5 - L. A. City Fire Dept. Permit No. 62607, Granted 03-23-89

Exhibit #6 - Hazardous Waste Manifest for Disposal of Tank Contents

Exhibit #7 -Marine Chemist Certificate No. 1117, Dated 03-27-89

Exhibit #8 - Certificate of Disposal/ Destruction for Tank

Exhibit #9 - Site Sampling Map

Exhibit #10 - Laboratory Chain-of-Custody Forms

Exhibit #11 - Laboratory Analytical Results

Exhibit #12 - Grading Certificate & Inspection Report

Exhibit #13 - Report of Soil Compaction Testing for Backfill of Excavation

EXHIBIT #1
L. A. CITY FIRE DEPT. DIVISION 5 PERMIT GRANTED 03-23-89
12270 NEBRASKA AVENUE PROPERTY

F-350

WEST ICU

Granted 03 23 89
Expires 03 23 90

Fire Department
City of Los Angeles
PERMIT

Reg. No. 62606
Fee Paid EXEMPT 714

In accordance with terms of the application on file with the Fire Prevention Bureau, permission is granted to: MUST COMPLY WITH FPB REQUIREMENT NO. 41

Name
PLASKON ELECTRONIC MATERIALS, INC.

Mail to
AMI ADINI & ASSOCIATES
1837 N. BERENDO ST.
LOS ANGELES, CA 90027

Permit to: Abandon 1 atmospheric tank(s) as per plans and specifications submitted to the FIRE Prevention Bureau & subject to the FIELD INSPECTOR'S approval at the site.

Location
12270 NEBRASKA AVE.
LOS ANGELES, 90025

BY ORDER OF CHIEF ENGINEER

By: C. V. Drummond
Fire Marshal

SMV

EXHIBIT #2

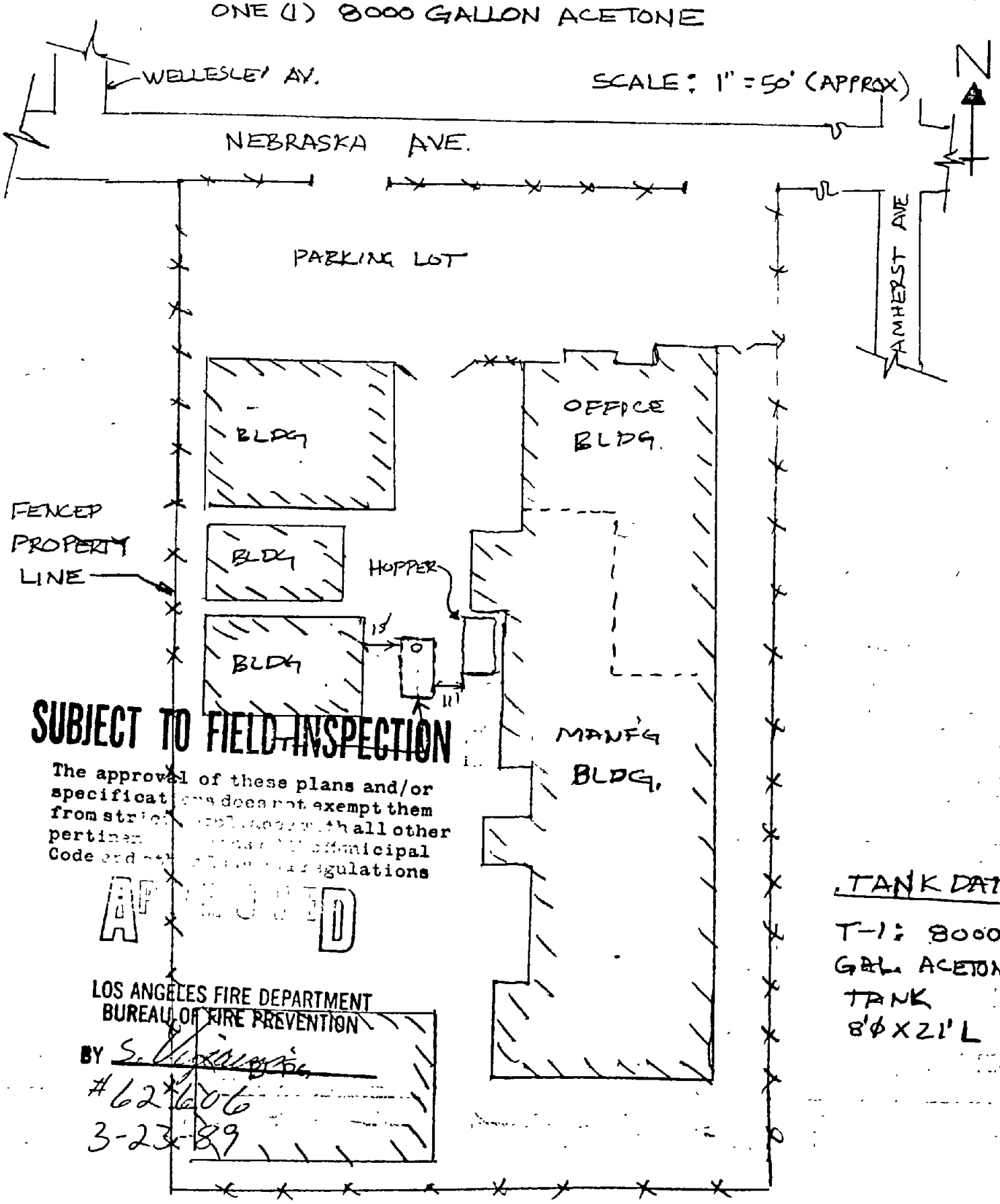
L. A. CITY FIRE DEPT. APPROVED PLAN, DATED 03-23-89

12270 NEBRASKA AVENUE PROPERTY

PLOT PLAN

EXHIBIT #2

ADDRESS: 12270 NEBRASKA AVENUE, LOS ANGELES, CA 90025
OWNER: PLASKON ELECTRONIC MATERIALS, INC.
PROJECT: REMOVAL OF UNDERGROUND SOLVENT STORAGE TANK
ONE (1) 8000 GALLON ACETONE



SUBJECT TO FIELD INSPECTION

The approval of these plans and/or specifications does not exempt them from strict compliance with all other pertinent [illegible] Municipal Code and [illegible] regulations

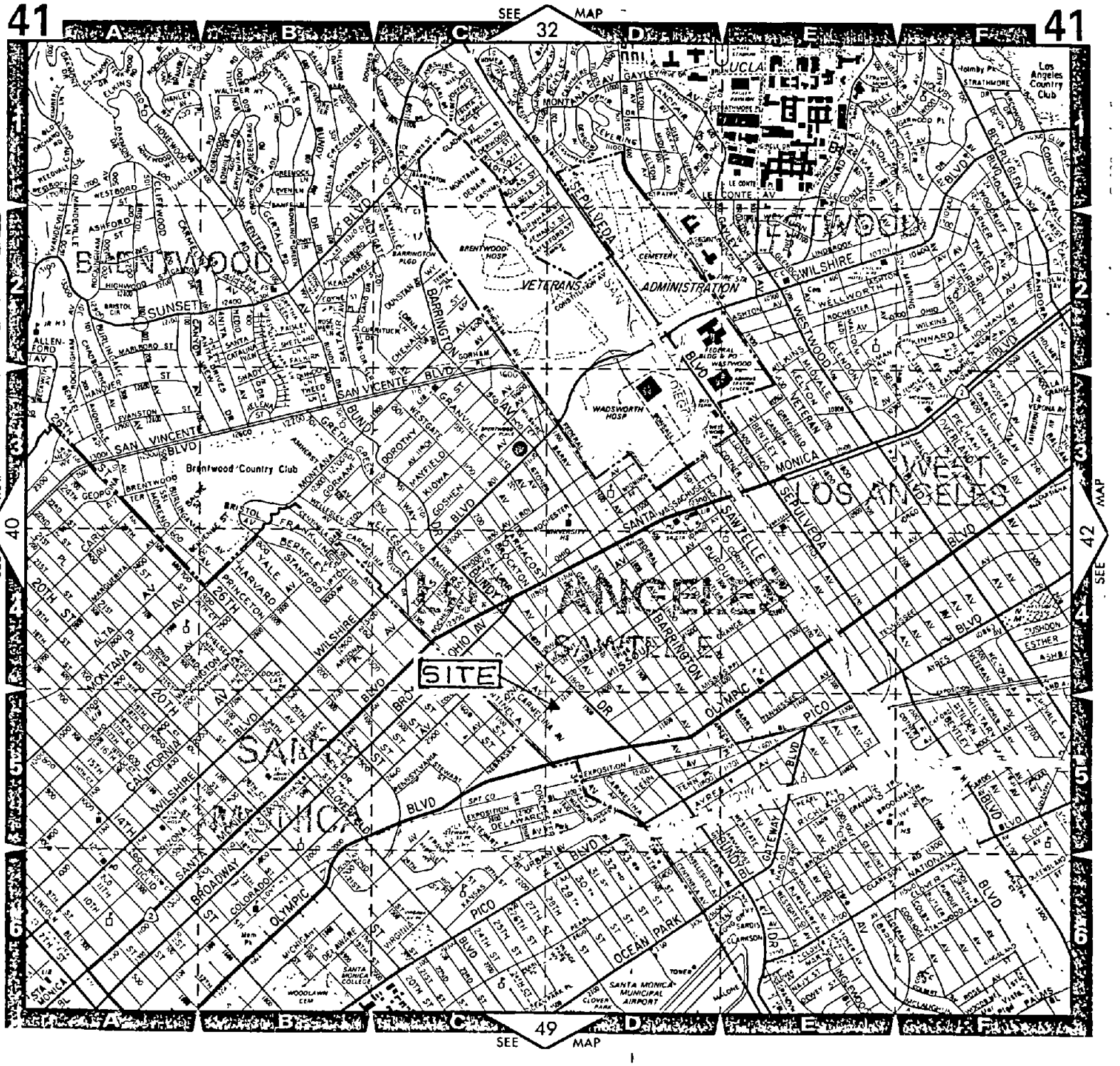
APPROVED

LOS ANGELES FIRE DEPARTMENT
BUREAU OF FIRE PREVENTION
BY S. [illegible]
#62606
3-23-89

TANK DATA

T-1: 8000 GAL. ACETONE TANK
8'Ø X 21' L

EXHIBIT #3
SITE LOCATION MAP
12270 NEBRASKA AVENUE PROPERTY

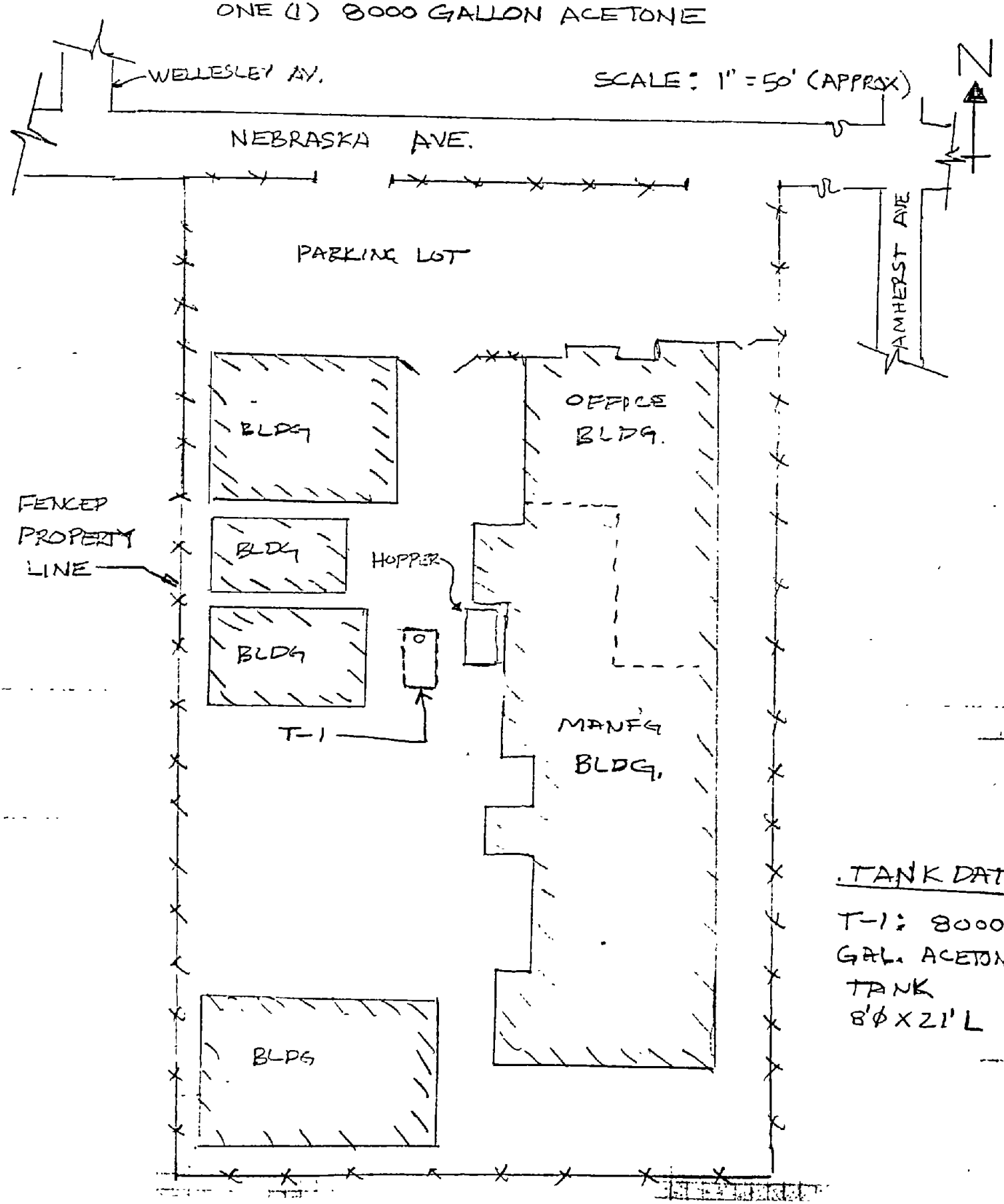


REFERENCE: THE THOMAS GUIDE, LOS ANGELES COUNTY, PAGE 41, SECTION D5, 1988

PLOT PLAN

EXHIBIT #4

ADDRESS: 12270 NEBRASKA AVENUE, LOS ANGELES, CA 90025
OWNER: PLASKON ELECTRONIC MATERIALS, INC.
PROJECT: REMOVAL OF UNDERGROUND SOLVENT STORAGE TANK
ONE (1) 8000 GALLON ACETONE



TANK DATA

T-1: 8000 GAL. ACETONE TANK 8'Ø X 21' L

EXHIBIT #5
L. A. CITY FIRE DEPT. PERMIT NO. 62707, GRANTED 03-23-89
12270 NEBRASKA AVENUE PROPERTY

F-350

Granted 3-23-89
Expires 3-23-90

Fire Department
City of Los Angeles
PERMIT

Reg. No. 62607
Fee Paid $140.00

In accordance with terms of the application on file with the Fire Prevention Bureau, permission is granted to:

Name PLASKON ELECTRONIC MATERIALS, INC.

Mail to 12270 Nebraska Avenue
Los Angeles, CA 90025

Permit to: Transfer of flammable liquids in a manner not otherwise regulated by this article.

Location 12270 Nebraska Ave.

BY ORDER OF CHIEF ENGINEER

By: _____
Fire Marshal

EXHIBIT #6
HAZARDOUS WASTE MANIFEST FOR DISPOSAL OF TANK CONTENTS
12270 NEBRASKA AVENUE PROPERTY

State of California—Health and Welfare Agency
Form Approved OMB No 2050—0039 (Expires 9-30-91)
Please print or type (Form designed for use on elite (12-pitch typewriter)

EXHIBIT #6

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CAD008137548 Manifest Document No: 76011318

2. Page 1 of 1

Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
PLASKON ELECTRONIC MATERIALS, INC
12270 NEBRASKA AVE, LOS ANGELES 9002

4. Generator's Phone (213) 272-4471

A. State Manifest Document Number: 88C00130

B. State Generator's ID

5. Transporter 1 Company Name: Oil & Solvent Process Co.
6. US EPA ID Number

C. State Transporter's ID: 906353

D. Transporter's Phone: 818/334-5117

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Oil & Solvent Process Co.
1704 W. First St.
Azusa, CA 91702
10. US EPA ID Number

G. State Facility's ID: CAD041329101

H. Facility's Phone: (818) 334-5117

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Acetone, Solution of UN1090 Waste Flammable Liquid, (F003) (DOT 87476)	01	DR	00450	G	State 213; EPA/Other F003
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
Waste acetone, water
Profile: LAX H18219

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
Wear gloves and goggles

RCH 124-29

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford

Printed/Typed Name: Mandira Sinenta
Signature: Mandira Sinenta
Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: RUDY J LOERA
Signature: Rudy J Loera
Month Day Year: 10 31 89

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
Printed/Typed Name
Signature
Month Day Year

GENERATOR

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/88)
EPA 8700—22
(Rev 9 88) Previous editions are obsolete.

Do Not Write Below This Line

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95812-0100

EXHIBIT #7
MARINE CHEMIST CERTIFICATE NO. 1117, DATED 03-27-89
12270 NEBRASKA AVENUE PROPERTY

EDWIN S. WYNKOOP, P.E. and ASSOCIATES
CERTIFIED SAFETY PROFESSIONAL
LICENSE NO. 2960
(818) 333-0873

EXHIBIT #7

15241 Valdemar Dr.
Hacienda Heights, CA 91745

CERTIFICATE SERIAL No 1117

Nieto & Son's	Plascon	3-27-89
Survey Requested by	Vessel Owner or Agent	Date
Tank	Steel	12270 Nebraska Los Angeles
Vessel	Type of Vessel	Specific Location of Vessel
Acetone	LEL - O_2 - Visual	155 PM
Last Three (3) Cargoes	Tests Performed	Time Survey Completed

This underground Tank identified with Red Paint - 1117 - LAFD - 62603

Tank Tested 0% LEL / 20.9% Oxygen

*1 - Tank 6000 gal. Cap. UL J-227538

Safe For Hot Work

Not Safe For Workers To Enter

Not Tested For Specific Toxics

This Tank has been Washed "on-site" and Certified as Clean and Vapor Free (zero percent of The Lower Explosive Limit) This Cleaned Tank is No longer a hazard waste and may Be Transported For either disposal, material recycling or Salvage

In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned.

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS (partial list, paraphrased form NFPA 306 Subsections 1-6.1 through 1-6 4, and Subsection 5-3 2).

SAFE FOR WORKERS: Means that in the compartment or space so designated (a) the oxygen content of the atmosphere is at least 19 5 percent by volume, and that, (b) toxic materials in the atmosphere are within permissilbe concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Certificate.

NOT SAFE FOR WORKERS Means that in the compartment or space so designated, the requirements of Safe for Workers have not been met.

ENTER WITH RESTRICTIONS Means that in any compartment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing, and time are as specified.

SAFE FOR HOT WORK Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of the fuel tanks or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the requirements.

NOT SAFE FOR HOT WORK Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.

SAFE FOR REPAIR YARD ENTRY Means that the compartments and spaces of the flammable cryogenic liquid carrier so designated: (a) have been tested by sampling at remote sampling stations, and results indicate the atmosphere tested to be above 19.5 percent oxygen, and less than 10 percent of the lower flammable limit, or b) are inerted

CERTIFIED SAFETY PROFESSIONAL'S ENDORSEMENT This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards in tanks, etc., have been found the condition of each to be in accordance with the assigned designation.

"The undersigned acknowledges receipt of this Certificate under Secun 2-3 of NFPA 306 and understands conditions and limitations under which it was issued."

Signed [illegible] 3-27-89
Name Date

Company

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed [illegible] For

Edwin Wynkoop 2960
Certified Safety Professional Certificate No

1988 Edition

EXHIBIT #8
CERTIFICATE OF DISPOSAL/DESTRUCTION FOR TANK
12270 NEBRASKA AVENUE PROPERTY

AMERICAN FUEL TANK METAL RECYCLING, INC.

2202 South Milliken Avenue
Ontario, CA 91761
(714) 947-2888

No. 30477

TANK DISPOSAL FORM

Date: 3-23 ,19 89
Job #
P. O. #

CONTRACTOR: Ami Adini + Assoc.
ADDRESS: 1837 N. Berendo St. L.A., CA 90027
JOB SITE. Plaskon
ADDRESS: 12270 Nebraska Av. L.A., CA
DESTINATION: A.M.R. 2202 S. Milliken Ave., Ontario, CA 91761

DATE	TIME	PROJECTED TANKS	ORDERED BY	LIC NO
3-27-89	12:00	1-8,000		6

SPECIAL INSTRUCTIONS: One Truck

TIME IN: 11:45 AM
TIME OUT. 3:45 PM

3 Hrs. 45 min. loading time

✓	Services Rendered	Cost
✓	Disposal Fee	200.00
✓	Extensive Loading Time	150.00
	Disposal Fee with Permit	300.00
	Fiberglass Tank Disposal Fee Per Tank	400.00
	Delivered	200.00
	Bobtail Disposal Fee	250.00
	Cancellation Fee	250.00
	TOTAL CHARGES	$350.00

All fees incurred are per load unless specified. Terms are net 30 days from date of invoice. Contractor's signature represents acceptance of terms for payment, and confirms that tank removal complies with State laws.

Larry S Witten
CONTRACTOR'S SIGNATURE

TANKS RECEIVED

QTY.	GALLONS	TYPE F*	TYPE S*	NET TONS	TOTAL
	280	☐	☐	.14	
	500	☐	☐	21	
	550	☐	☐	24	
	1000 - 12 ft	☐	☐	.44	
	1000 - 6 ft	☐	☐	.61	
	1500	☐	☐	.87	
	2000	☐	☐	97	
	2500	☐	☐	1.14	
	3000	☐	☐	1 32	
	4000	☐	☐	1.64	
	5000	☐	☐	2 42	
	6000	☐	☐	2.84	
	7500	☐	☐	3 26	
1	8000	☐	☐	3.44	3.44
	9000	☐	☐	3 82	
	10000	☐	☐	4 33	
	12000	☐	☐	4 93	

NO. OF TANKS: 1 TOTAL NET TONS: 3.44

*F — FIBERGLASS *S — STEEL 105

CERTIFICATE OF TANK DISPOSAL / DESTRUCTION

THIS IS TO CERTIFY THE RECEIPT AND ACCEPTANCE OF THE TANK(S) AS SPECIFIED ABOVE. ALL MATERIALS SPECIFIED HAVE BEEN COMPLETELY DESTROYED FOR SCRAP PURPOSES ONLY

K. Patton
AUTHORIZED REP

3-27-89
DATE

CONTRACTOR COPY

SITE SAMPLING MAP

EXHIBIT #9

ADDRESS: 12270 NEBRASKA AVENUE, LOS ANGELES, CA 90025
OWNER: PLASKON ELECTRONIC MATERIALS, INC.
PROJECT: REMOVAL OF UNDERGROUND SOLVENT STORAGE TANK
ONE (1) 8000 GALLON ACETONE

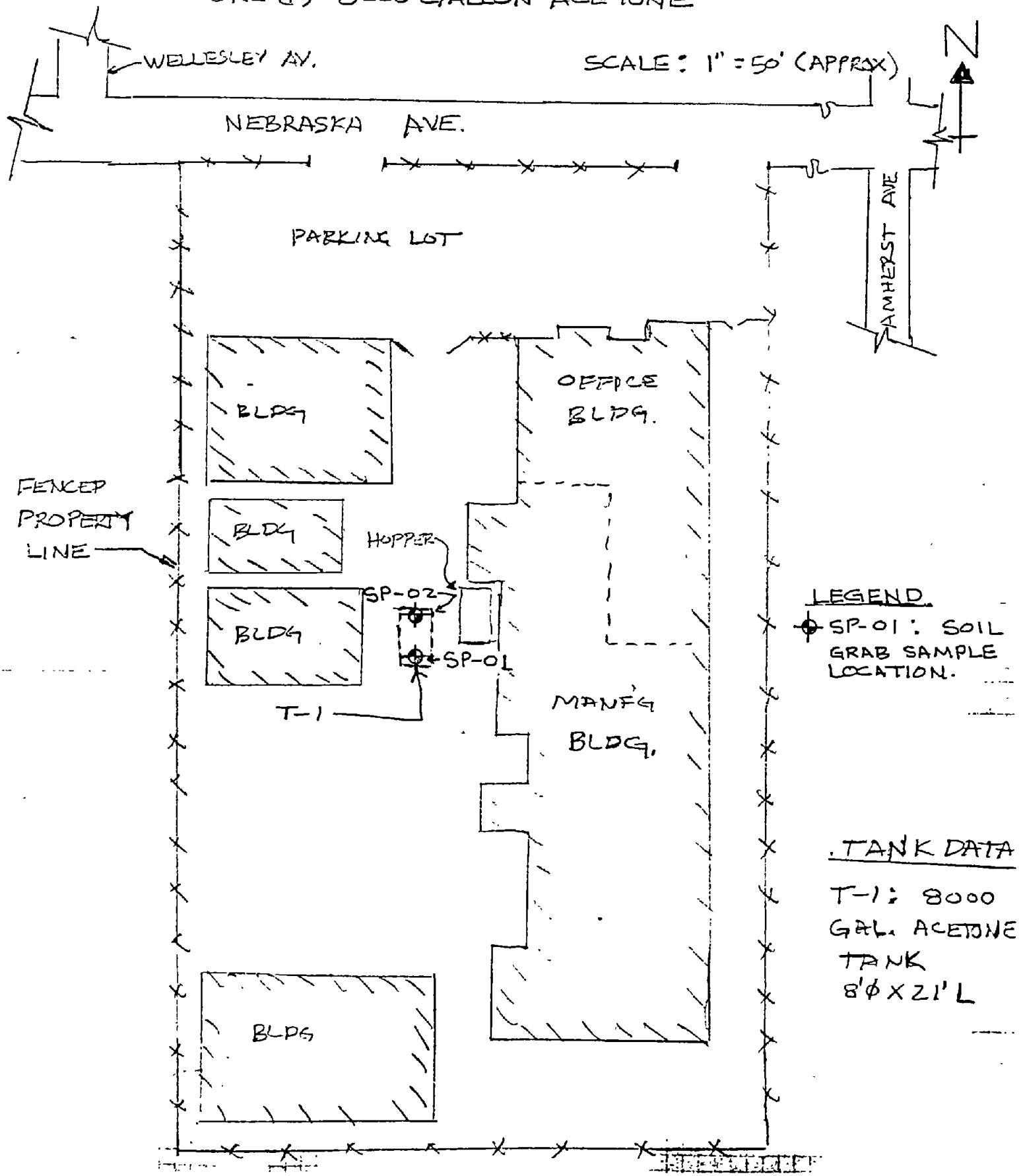


EXHIBIT #10
LABORATORY CHAIN-OF-CUSTODY FORMS
12270 NEBRASKA AVENUE PROPERTY

Burmah

Burmah Technical Services, Inc.
Analytical Laboratories Division

408 Auburn Avenue, Pontiac, Michigan 48058 ☐
700 S. Flower St., Burbank, CA 91502 ☐
☐

CHAIN OF CUSTODY

Client: AMI ADINI & ASSOCIATES
Address: 1837 N. BERENDO ST.
LOS ANGELES, CA 90027

Contact person: AMI ADINI
Phone # (213) 667-2087
PO # VERBAL
Project: PLASKON ELECTRONIC MATERIALS, INC
12270 NEBRASKA AVE., LOS ANGELES

Special Handling Request
☒ Rush (2-1 HR)
☒ Verbal
☐ Other

Sample ID	Date	Time	Grab	Comp	No. of Containers	Waste Type	Preservation	Analysis request
SP-01 (SOUTH)	3-27-89	3:15 PM	X		1	SOIL	ICE CHEST	ACETONE VIA 8015
SP-02 (NORTH)	3-27-89	3:35 PM	X		1	SOIL	ICE CHEST	ACETONE VIA 8015
								(ok/cold)

Collected by: Larry S Witten 3-27-89 3:15 PM
Received by: Date Time
Received by: Date Time
Received for laboratory by: Date 3-27-89 Time 4:27 PM
Final disposition:

Delivery by: Larry S Witten Date 3-27-89 Time 4:27 PM
Relinquished by: Larry S Witten Date 3-27-89 Time 4:27 PM
Relinquished by: Date Time
Comments (Precautions/hazards)

EXHIBIT #10

AL-6

EXHIBIT #11
LABORATORY ANALYTICAL RESULTS
12270 NEBRASKA AVENUE PROPERTY

EXHIBIT #11

Burmah

Burmah Technical Services, Inc.
Analytical Laboratories Division

700 South Flower Street
Burbank, California 91502

213-849-6591

ANALYTICAL REPORT

Date Received: 03/27/89

Date Reported: 03/29/89

Client : Ami Adini Associates
1837 N. Berendo St.
Los Angeles CA 90027
Attn: Larry Witwer

Sample Description: Soil Samples

Investigation : Plaskon Electronic Materials
12270 Nebraska Ave. LA

Lab. No.	Sample No.	mg/kg Acetone
BSS-5881	SP-01 South	0.56
BSS-5882	SP-02 North	0.17
Detection Limit		0.05

< - Less than detection limit

Acetone - Analyzed by EPA-8015

Harold Vernon
Manager Analytical Services

QUALITY CONTROL DATA

REPORT DATE: 03/29/89

Procedure - 8015
Samples Analyzed in this QC Set

Parameter - Units (mg/kg)
Blank
Lab #: BSS-5881
0/0 Recovery
Relative 0/0 Difference
Surrogate - 0/0 Recovery Chlorobenzene 93

Parameter - Units (mg/kg)
Blank
Lab #: BSS-5882
0/0 Recovery
Relative 0/0 Difference
Surrogate - 0/0 Recovery Chlorobenzene 94

EXHIBIT #12
GRADING CERTIFICATE & INSPECTION REPORT
12270 NEBRASKA AVENUE PROPERTY

EXHIBIT #12

G APPLICATION FOR INSPECTION — CITY OF LOS ANGELES — DEPT OF BUILDING AND SAFETY — OF GRADING AND FOR GRADING CERTIFICATE

INSTRUCTIONS: 1. Applicant to Complete Numbered Items Only. 2. Plot Plan Required on Back of Original.

1. LEGAL DESCR.	LOT: 21	BLK.	TRACT: Santa Monica Sawtelle St	COUNCIL DIST. NO.: 11	DIST. MAP: 123-145 / CENSUS TRACT: 2675
2. PURPOSE OF GRADING: 60) Backfill Excavation from Tank Removal					ZONE: M2-1
3. JOB ADDRESS: 12270 Nebraska Avenue					FIRE DIST.: II
4. BETWEEN CROSS STREETS: Centinela	AND: Bundy Dr				LOT (TYPE): Int
5. OWNER'S NAME: Plaskon Electronic Materials, Inc	PHONE: 213-272-4471				LOT SIZE: Irreg
6. OWNER'S ADDRESS: 12270 Nebraska Ave	CITY: L.A.	ZIP: 90025			
7. PLANS BY CIVIL ENGR.	BUS. LIC. NO.	ACTIVE STATE LIC. NO.	PHONE		ALLEY
8. CIVIL ENGR. ADDRESS	CITY	ZIP			BLDG. LINE
9. ENGR GEOLOGIST	BUS. LIC NO	ACTIVE STATE LIC. NO./CERT. NO	PHONE		AFFIDAVITS
10. SOIL ENGR.—TESTING AGENCY: Norcal Eng	BUS. LIC NO.: 10036	ACTIVE STATE LIC. NO: RGE841	PHONE: 213-267-0125		ZI 1449
11. CONTRACTOR: Ami Adini & Assoc	BUS. LIC. NO: G99560	ACTIVE STATE LIC. NO.: 523230	PHONE: 213-667-2087		
12. CONTRACTOR'S ADDRESS: 1937 N. Berendo Street L.A.	CITY	ZIP: 90027			P C REQ'D
G 13. JOB ADDRESS: 12270 Nebraska Avenue			STREET GUIDE		DIST OFFICE: LA
14. NUMBER OF CUBIC YARDS CUT	FILL				SEISMIC STUDY ZONE
15. MAXIMUM SLOPE CUT FILL	RETAINING WALL REQUIRED YES (NO)		BOARD FILE NO.		GRADING / FLOOD
FILL DENSITY TESTS & CERTIFICATION ☒ 90% REQUIRED ☐ NOT REQUIRED					HWY DED: yes / CONS
			IMPORT/EXPORT REQ.		ZONED BY: C. Lee
CALIF. ENVIRONMENTAL QUALITY ACT REQUIREMENTS (EXEMPT)	COMPLETED		YARDAGE APPROVED		FILE WITH
			PLANS CHECKED		TYPIST: R. Moore
BOND ☐ CASH ☐ SURETY	AMOUNT	DATE POSTED	APPLICATION APPROVED		INSPECTOR

B & S B-100 (R 2/87)

PC	GPI	GPI INSPECTOR
SPC.	IF	Claims for refund of fees paid on permits must be filed 1 Within one year from date of payment of fee, or 2 Within one year from date of expiration of extension for building or grading permits granted by the Dept of B & S SECTIONS 22 12 & 22 13 LAMC
GP	OSS	
DIST OFFICE	SOSS	
PC NO		

CA #

CASHIER'S USE ONLY

Unless a shorter period of time has been established by an official action, plan check approval expires one year after the fee is paid and this permit expires two years after the fee is paid or 180 days after the fee is paid if construction is not commenced

EXHIBIT #12

DEPARTMENT OF BUILDING AND SAFETY

INSPECTION RECORD

CITY OF LOS ANGELES

ADDRESS OF JOB

0274 0 MAR 23 '89

NATURE OF WORK

LA

BLDG. PERMIT NO.

OWNER

Inspections	Date	Inspector
GRADING INSPECTIONS		
Initial Grading		
Toe or Bottom		
DO NOT PLACE FILL UNTIL ABOVE IS SIGNED		
Excavation		
Fill		
Drainage Devices		
Rough Grading		
BUILDING AND MECHANICAL INSPECTIONS		
Footing Excavation		
Forms		
Reinforcing Steel		
OK to Place Footings		
DO NOT PLACE CONCRETE UNTIL ABOVE IS SIGNED		
Heating & Refrig. Groundwork		
Electrical Groundwork		
Plumbing Groundwork		
Gas Piping Groundwork		
OK to Place Slab Floor		
DO NOT PLACE CONCRETE SLAB FLOOR UNTIL ABOVE IS SIGNED		

Do Not Call for Framing Inspection Until Electrical, Plumbing & Heating Approvals have been Obtained.

Inspections	Date	Inspector
Rough Electrical		
Rough Plumbing		
Rough Heating & Refrig		
Rough Handicapped		
Rough Framing		
Rough Fire Sprinklers		
Insulation		
OK to Cover		
DO NOT COVER UNTIL ABOVE IS SIGNED		
Exterior Lathing		
Interior Lathing		
OK to Plaster		
DO NOT PLASTER UNTIL ABOVE IS SIGNED		
WORK OUTSIDE BUILDING		
Sewer		
Gas		
Heating & Refrigeration		
Electrical Underground		
FINAL INSPECTIONS		
Final Electrical		
Final Gas		
Final Plumbing		
Final Heating & Refrigeration		
Final Fire Sprinklers		
Final L.A.F.D. OK Title 19 Jobs Only		
Final Handicapped		
Final Grading		
Final		

EXHIBIT #13
REPORT OF SOIL COMPACTION TESTING FOR BACKFILL OF EXCAVATION
12270 NEBRASKA AVENUE PROPERTY

NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS
10571 CALLE LEE SUITE 155 LOS ALAMITOS, CA 90720
(714) 826-4231 (213) 267-0125
FAX (714) 826-2514

EXHIBIT #13

May 31, 1989

Project Number 1796-89

Ami Adini and Associates
1837 N. Berendo Street
Los Angeles, California 90027

Re: Inspection and Testing of Grading Operations - Tank Excavation Backfill - Located at 12270 Nebraska Avenue, in the City of Los Angeles, California

Dear Sirs:

Pursuant to your request, compaction tests were obtained at the above-referenced location.

Results of the compaction tests are attached and locations of these tests are shown on the accompanying plot plan.

All work was performed in accordance with the requirements of the City of Los Angeles, and with all present day standards of the Soils Engineering Industry.

All vegetation and demolition debris was stripped and removed from the fill area prior to the placement of any fill soils.

The existing low density soils were removed to competent natural ground, the exposed surface scarified, moisture conditioned and then recompacted to a minimum of 90% relative compaction.

The excavation ± 12.0 feet in depth was backfilled to within 2.0 feet of grade with 3/4" gravel. The top 2.0 feet was capped off with compacted fill soils to a minimum of 90% relative compaction.

The relative compaction was determined by Sand Cone Method (ASTM:D-1556-64) and by the Drive Tube Method. The maximum density of the fill soils was obtained by the laboratory standard (ASTM:D-1557-78) and results are shown on Table I. Tests were performed a minimum of every 500 cubic yards placed and every 2.0 feet in depth of fill placed.

A backhoe was utilized for compaction control. A water hose provided moisture control.

We appreciate this opportunity to be of service to you. If you have any further questions, please do not hesitate to contact the undersigned.

Respectfully submitted,
NORCAL ENGINEERING

Keith D. Tucker
Project Engineer
R.G.E. 841

REGISTERED PROFESSIONAL ENGINEER
KEITH D. TUCKER
No. 841
Exp. 12-31-92
GEOTECHNICAL
STATE OF CALIFORNIA

Troy D. Norrell
President

Project Number 1796-89

TABLE I
MAXIMUM DENSITY TESTS
(ASTM:D-1557-78)

Soil Type	Classification	Optimum Moisture	Maximum Dry Density (lbs./cu.ft.)
I	SAND, fine to medium grained	10.5	119.0

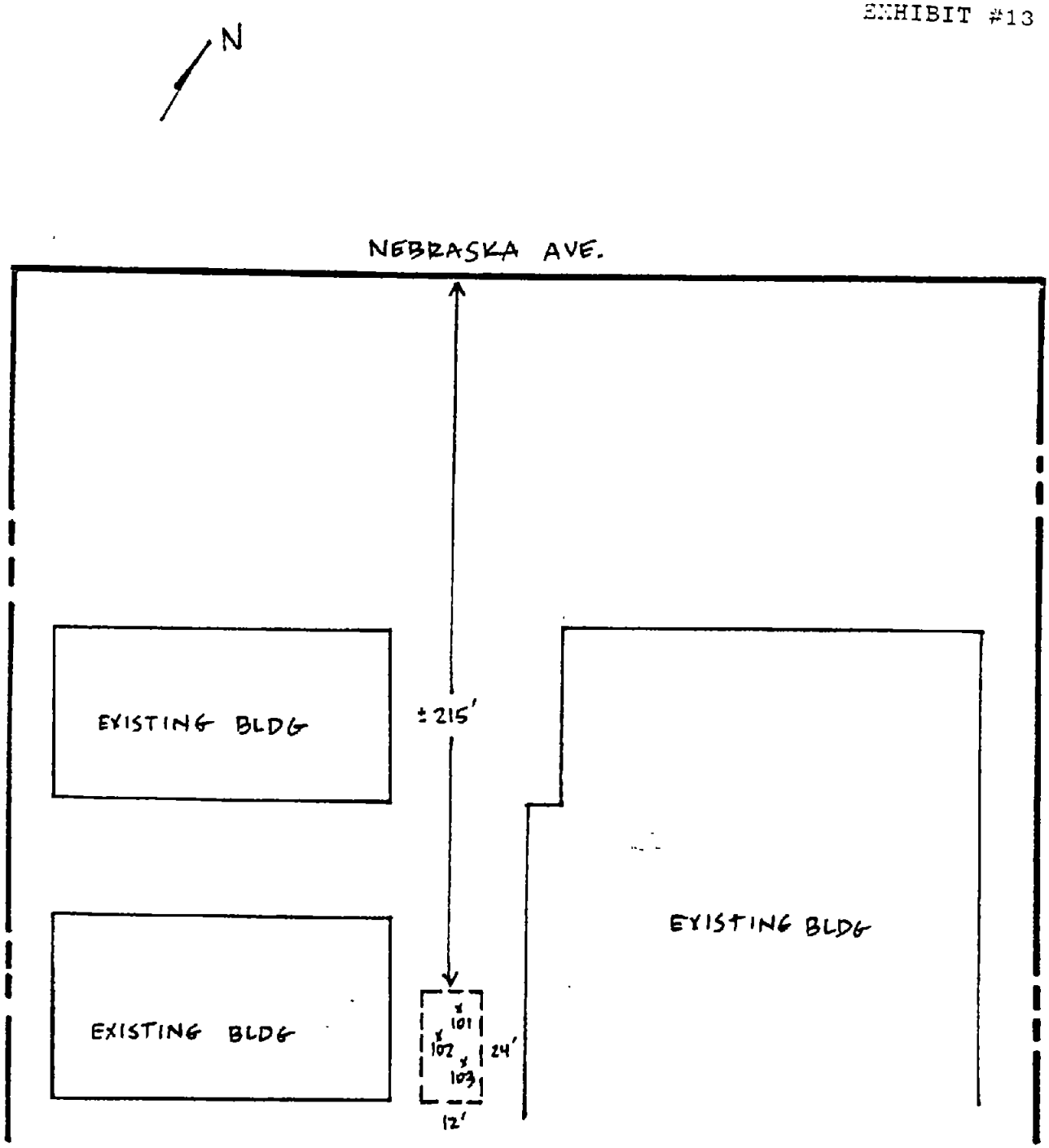
TABLE II

COMPACTION TESTS RESULTS

Test No.	Depth*	Percent Moisture	Unit Wt. lbs/cu.ft.	Relative Compaction	Soil Type
101	1.0-1.5	10.1	109.5	92	I
102	0.0-0.5	9.8	110.7	93	I
103	0.0-0.5	8.5	110.1	92	I

*Depth below finish grade (in feet)

EXHIBIT #13



APPROXIMATE LOCATION OF COMPACTION TEST

X = COMPACTION TEST

DATE:	5-30-89
SCALE:	N.T.S.
PROJECT NO:	1796-89

AMI ADINI

NorCal ENGINEERI
10571 CALLE LEE, SUITE
LOS ALAMITOS, CA. 90

NAME Mesa Plastics — ADDRESS 12270 Nebraska Ave

DBA Mesa Plastics DATE April 21, 1959

ON No. Side of Street—between Bundy Dr. and Centinela Ave

No.

Code

BOARD OF FIRE COMMISSIONERS, CITY OF LOS ANGELES:

In conformance with the Ordinances of the City of Los Angeles and under the supervision of the Chief Engineer of the Fire Department or his duly authorized representative, application is hereby made for

AN ORIGINAL PERMIT ☒ A RENEWAL OF PERMIT ☐ A TRANSFER OF PERMIT ☐ to install or maintain

PORTABLE ACETYLENE GENERATOR ☐ GRAVITY TANK ☐ PORTABLE BUGGY ☐ UNDERGROUND STORAGE TANK ☒

Applicant is a ~~CORPORATION~~—~~ASSOCIATION~~—~~PARTNERSHIP~~—INDIVIDUAL (Indicate by placing an X above type of organization.)

Signature Lewis & Sweasy By Don Peterson Title Pipe Fitter Applicant's Phone RI-82134

Mail Address 3131 S. Flower L.A. —

MAIL PERMIT TO: — MESA PLASTICS 12270 NEBRASKA AVE. LOS ANGELES 25,

SPACE BELOW THIS LINE FOR DEPARTMENTAL USE ONLY

Type of Container	No.	Capacity	Contents	Manufacturer and Approval No.	Location of Container
U.G. Tank	1	7500	Acetone	National LAFC 1967-50	225' So. of No. P/L 80' E of W P/L

to be used in connection with

First Inspection Date 4-20-59 Last Inspection Date 4-21-59 Inspector Anthony Bogni

Recommendation: APPROVAL—DISAPPROVAL—CANCELLATION—Violation of Ordinance No. Section

Previous Permit Granted (date) To Detail (date) By

Former Permittee (for use on transfer of permit only) Inspector Completed (date)

Prepared for Comm. (date) By Raymond M. Hall 4-30-59

Remarks:

F-331—2M—6-51

CHECK SHEET

Height of Bldg. ..... Class of Bldg. .....

Open lot only .....

Distance from other buildings .....

Electric wiring and equipment .....

Separating partitions — .....

Metal receptacles for combustible waste — .....

Housekeeping OK .....

Location of pit — .....

Condition of pit — .....

Vent pipes OK ..... Fill pipes OK .....

Suction pipe lines OK .....

Return pipe lines OK .....

Curb pipe fill lines — .....

Type of burner — .....

Standpipe and hose — .....

Fireproof room — .....

Fire doors — .....

REMARKS

There is to be an occupancy change at this address - To be changed to "E" occupancy.

A. Zoin

DIV. 4 - 714 / 715 # 120548-47 LAFD # 1046 Fire Station District # ~~62~~ 59 Field Office W-INDUSTRIAL

F-280

FIRE DEPARTMENT—CITY OF LOS ANGELES

APPLICATION FOR PERMIT—ATMOSPHERIC UNDERGROUND TANK(S)

Reg. No. 62606

Date 3-23-89

PLEASE TYPE OR PRINT:

Name of Owner	Doing Business As
PLASKON ELECTRONIC MATERIALS, INC.	SAME

Address of Owner	Owner's Phone
12270 NEBRASKA AVENUE, LA 90025	(213) 272-4471
Address of Site	**Phone at Installation**
12270 NEBRASKA AVENUE, LA 90025	(213) 272-4471

Contractor's Name: AMI ADINI & ASSOCIATES

Address: 1837 N. BERENDO ST., LA State: CA Zip: 90027 Contact: AMI ADINI

Signature of Applicant	Title	Contractor's Phone
Larry S. Wilson	PROJECT MANAGER	(213) 667-2087

QTY.	ITEM	I.D. NO(S)	FEE
[1] 8000 GAL	UGT/S ABANDONMENT BY REMOVAL	EPA # CAD 008375487 State Contractor Type / # A 523288 City Business # 699566	Exempt—Div. 4 - 714 / 715
[ ]	UGT/S ABANDONMENT IN PLACE		
[ ]	UGT/S INSTALLATION		
[ ]	UGT/S ADD TO / ALTER: MONITORING		
[ ]	UGT/S ADD TO / ALTER: PIPING		

SUBJECT TO FIELD INSPECTION

The approval of these plans and/or specifications does not exempt them from strict compliance with all other pertinent Sect... Municipal Code and other laws and regulations

APPROVED

LOS ANGELES FIRE DEPARTMENT
BUREAU OF FIRE PREVENTION

BY [signature]

Total Fee	Approved	Disapproved	Date	Inspector
EXEMPT	[X]	[ ]	3-23-89	VIZCAINO

UNDERGROUND TANK TIME SURVEY

62606

1. Facility Address: 12270 NEBRASKA Zip Code: 90025
2. Inspector: _____ # _____ Unit: West 3.UL # _____
4. Installation [ ] Closure [ ] Add To/Alter [ ] Monitoring [ ] Other [ ]
5. Private [ ] City [ ] County [ ] State [ ] Federal [ ]
6. Remarks: REMOVE 1 UGT 8,000 GAL ACETONE

7	8	9	10	11	12
te/ Name	Time At Site	Travel Time To/From Site	Time In Office	Time Totals	Remarks/ Round Trip Mileage
VIZCAINO			.5	.5	PLAN CHECK
KINLEY 3/27/89	3.5	.5	—	4.0	CLEANED & REMOVED 1 8,000 UGT
KINLEY 4/7/89	.3	—	—	.3	REVIEW OF CLOSURE REPORT → FORWARD LOT
.3 TOTALS					Division 5 Stub

:OTE: INCLUDE UL#'s AND TANK SIZES UNDER REMARKS (6). (These should also be indicated on the plans.)

All time increments should be calculated in 1/10 hour increments. (i.e., 6 minutes - 1.)

:PB-66A

EDWIN S. WYNKOOP, P.E nd ASSOCIATES
CERTIFIED SAFETY PRO. SIONAL
LICENSE NO. 2960
(818) 333-0873

15241 Valdemar Dr.
Hacienda Heights, CA 91745

CERTIFICATE SERIAL № 1117

Nieto & Son's	Plascon	3-27-89
Survey Requested by	Vessel Owner or Agent	Date
Tank	Steel	12270 Nebraska Los Angeles
Vessel	Type of Vessel	Specific Location of Vessel
Acetone	LEL-O_2-Visual	155 PM
Last Three (3) Cargoes	Tests Performed	Time Survey Completed

This underground Tank identified with Red Paint - 1117 - LAFD - 62603

Tank Tested 0% LEL \ 20.9% Oxygen

#1 - Tank 6000 gal. Cap. UL J-227538

Safe For Hot Work

Not Safe For Workers To Enter

Not Tested For Specific Toxics

This Tank has been Washed "on-site" and Certified as Clean and Vapor Free (zero percent of The Lower Explosive Limit) This Cleaned Tank is No longer a hazard waste and May Be Transported For either disposal, material recycling or Salvage

In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS (partial list, paraphrased form NFPA 306 Subsections 1-6.1 through 1-6 4, and Subsection 5-3.2).

SAFE FOR WORKERS: Means that in the compartment or space so designated (a) the oxygen content of the atmosphere is at least 19 5 percent by volume, and that, (b) toxic materials in the atmosphere are within permissilbe concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Certificate.

NOT SAFE FOR WORKERS Means that in the compartment or space so designated, the requirements of Safe for Workers have not been met.

ENTER WITH RESTRICTIONS Means that in any compartment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing, and time are as specified.

SAFE FOR HOT WORK Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19 5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed, and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit, and that, (c) the residues are not capable of producing a higher concentration permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Certificate, and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of the fuel tanks or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the requirements.

NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met

SAFE FOR REPAIR YARD ENTRY: Means that the compartments and spaces of the flammable cryogenic liquid carrier so designated: (a) have been tested by sampling at remote sampling stations, and results indicate the atmosphere tested to be above 19 5 percent oxygen, and less than 10 percent of the lower flammable limit, or b) are inerted.

CERTIFIED SAFETY PROFESSIONAL'S ENDORSEMENT This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards in tanks, etc., have been found the condition of each to be in accordance with the assigned designation.

"The undersigned acknowledges receipt of this Certificate under Sectin 2-3 of NFPA 306 and understands conditions and limitations under which it was issued."

Signed Larry S Witwer 3-27 89
Name Date

Am I Appl & Assoc.
Company

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions

Signed Lisa L. Cosby For

Edwin Wynkoop 2960
Certified Safety Professional Certificate No

1988 Edition

PLASKON

PLASKON ELECTRONIC MATERIALS, INC.
Subsidiary of Rohm and Haas Company

DATE: April 17, 1989

Los Angeles City Fire Department
7166 West Manchester Ave., Room 5
Los Angeles, CA 90045

REF: Underground Storage Tank Permit 120548-47

Gentlemen:

This is to inform you that Plaskon Electronic Materials, Inc. stopped manufacturing at its plant at 12270 Nebraska Avenue, Los Angeles, CA 90025 on 3/1/89. The buildings are going to be demolished. Our 8,000 gallon underground acetone storage tank was removed on 3/27/89.

Please cancel our Fire Permit on this tank with the number 120548-47.

If you have any questions, please contact Don Isabelle at Plaskon Electronic Materials, Inc., Toledo, Ohio, at 419/389-5600.

Very truly yours,

Mandira Simental

Mandira Simental
Supervisor Environmental Services

cc: J. Carlyle
D. Isabelle
W. Mauter
B. Master
J. Mausteller

12270 Nebraska Avenue • Los Angeles, CA 90025-3698 • (213) 272-4471

NOTIFICATION OF UNDERGROUND TANK ABANDONMENT

MAR. 27, 1989
(Date)

City of Los Angeles Fire Department
Fire Prevention Bureau
200 North Main Street, Room 920
Los Angeles, California 90012

Attention: Records Office

Gentlemen:

This letter is to comply with Fire Department regulations regarding underground tank abandonment. (57.31.16).

The tank(s) was/were located at the following street address:

12270 NEBRASKA AVE.

The tank(s) was/were located from 2 property lines as follows:

SEE REVERSE (ATTACHED SHEET

(Show sketch on reverse side.)

The number of tank(s) 1 and total capacity in gallons

each 8,000

WHEN REMOVED:

The label numbers (or other tank designation numbers) were as

follows: UL J227538

The tank(s), prior to transporting was/were degassed, using CERTIFIED CLEAN pounds of carbon dioxide (dry ice). (One pound CO_2 per hundred gallons capacity of tank).

The tank(s) was/were removed to: A.M.R, Ontario

WHEN FILLED:

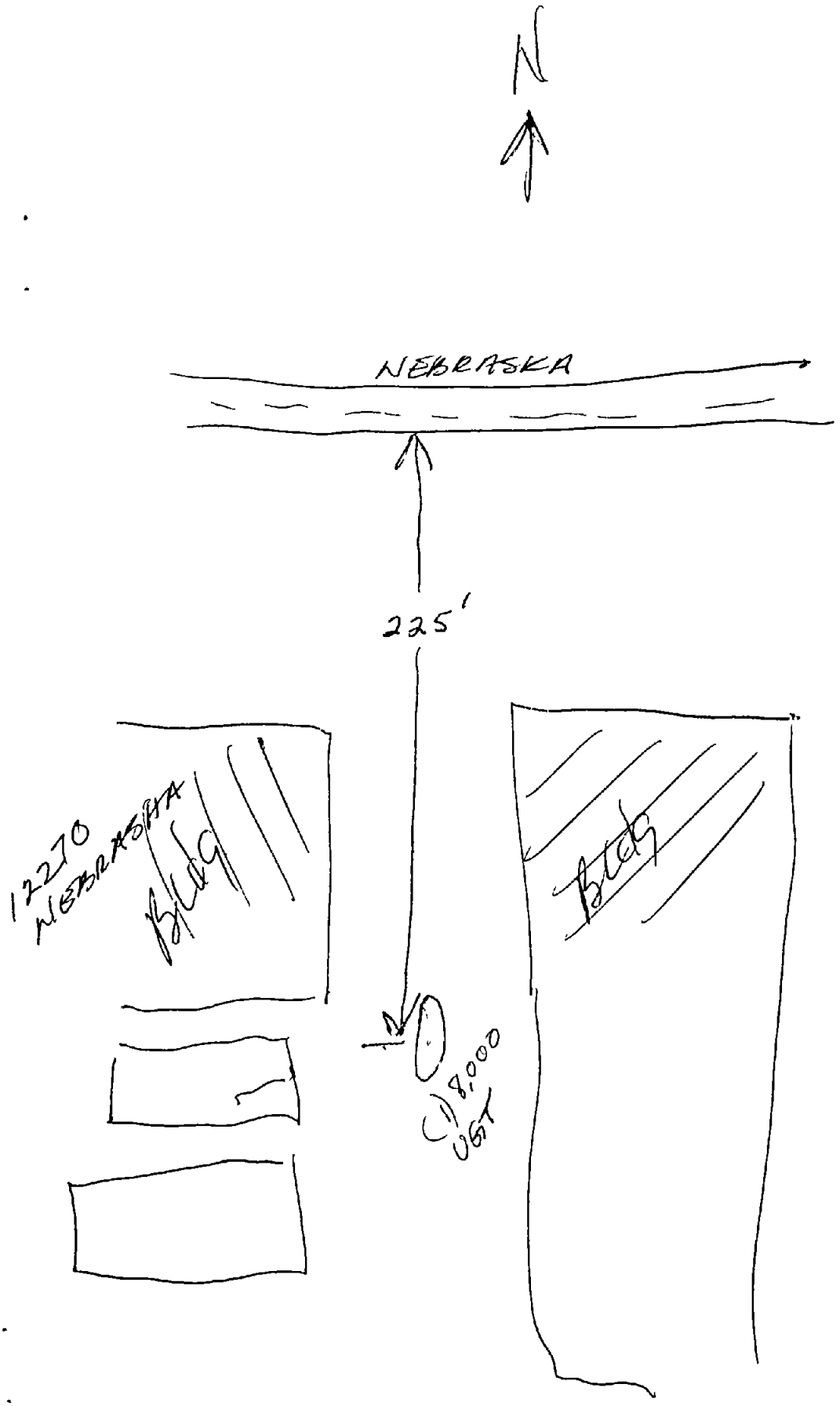
Approved mixture type _____, using _____ cu. yards

total. The material was supplied by: _____

The abandonment work was inspected by: Thomas L. Kirby
Fire Inspector

Signature of Responsible Person

FPB #66


N
NEBRASKA
225'
12270 NEBRASKA
Bldg
Bldg
8,000 UGT

ROUTING
1st CAPT __
2nd QAQC __
3rd DATA __
4th FILE __

UNDERGROUND TANK ENFORCEMENT UNIT

ABANDONMENT INFORMATION SHEET

Site Address: 12270 NEBRASKA AVE. Div. 5 No: 62606

Insp. Name: KINLEY Insp. No.: W.I.C.U. Date: 3/27/89

Contractor: AMI ADING + ASSOC. Responsible Person: _____

TANK INFORMATION

	Tank ID # (UGT)	Size & Metal or FRP	Product	UL # and LAFD G.A.#	Abandonmt Method (Circle)
1.		8,000 (M)/(F)	ACETONE	J-227538	(Wash)→HazWast-Fill
2.		M/F			Wash-HazWast-Fill
3.		M/F			Wash-HazWast-Fill
4.		M/F			Wash-HazWast-Fill
5.		M/F			Wash-HazWast-Fill

	Tank locations from property lines or sketch on plans	# lbs dry ice	Destination or location of tanks
1.	SEE PLANS		A.M.R
2.			
3.			
4.			
5.			

CHECK OFF LIST - WHEN FORWARDING A COMPLETED PACKAGE

Arrange the following items in the order that they are listed below.

- [x] This form and a Xeroxed copy
- [ ] Underground Tank Time Log (site specific invoice)
- [x] Permit Information (stamped application and lot plan)
- [x] Cleaning Certificate
- [x] Certificate of Disposal Form (for washed tank)
- [x] Uniform Manifest for: (rinse) tank (hazardous waste), or soil
- [x] Chain of Custody (with site address printed on the form)
- [x] Soil Results
  - a. Contamination above action levels, per soils analysis...(Yes/(No))
  - b. Highest reported reading per soils analysis (in ppm).... .56 MG/KG

Number of tanks remaining onsite..... _____

a. Are abandoned tanks being replaced (Yes/No), # of tanks. _____

EWM/1267w/Revised 12-14-89 (Use additional sheets as necessary)

ROUTING
1st CAPT ___
2nd QAQC ___
3rd DATA ___
4th FILE ___

UI GROUND TANK ENFORCEMENT T

ABANDONMENT INFORMATION SHEET

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2.		M/F			Wash-HazWast-Fill
3.		M/F			Wash-HazWast-Fill
4.		M/F			Wash-HazWast-Fill
5.		M/F			Wash-HazWast-Fill

	Tank locations from property lines or sketch on plans	# lbs dry ice	Destination or location of tanks
1.	SEE PLANS		A.M.R
2.			
3.			
4.			
5.			

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EWM/1267w/Revised 12-14-89 (Use additional sheets as necessary)

ROUTING
1st CAPT ___
2nd QAQC ___
3rd DATA ___
4th FILE ___

UNDERGROUND TANK ENFORCEMENT

ABANDONMENT INFORMATION SHEET

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4.		M/F			Wash-HazWast-Fill
5.		M/F			Wash-HazWast-Fill

	Tank locations from property lines or sketch on plans	# lbs dry ice	Destination or location of tanks
1.	SEE PLANS		A.M.R
2.			
3.			
4.			
5.			

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- [x] Uniform Manifest for: (rinse) tank (hazardous waste), or soil
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- [x] Soil Results
  - a. Contamination above action levels, per soils analysis...(Yes)(No)
  - b. Highest reported reading per soils analysis (in ppm).... .56 MG/KG

Number of tanks remaining onsite.....

a. Are abandoned tanks being replaced (Yes/No), # of tanks.

EWM/1267w/Revised 12-14-89 (Use additional sheets as necessary)

UNDERGROUND TANK TIME SUR'

#67606

1. Facility Address: 12270 NEBRASKA Zip Code: 90025
2. Inspector: _____ # _____ Unit: West 3.UL # _____
4. Installation ☐ Closure ☐ Add To/Alter ☐ Monitoring ☐ Other ☐
5. Private ☐ City ☐ County ☐ State ☐ Federal ☐
6. Remarks: REMOVE 1 UGT 8,000 GAL ACETONE

7	8	9	10	11	12
te/ Name	Time At Site	Travel Time To/From Site	Time In Office	Time Totals	Remarks/ Round Trip Mileage
VIZCAINO			.5	.5	PLAN CHECK
KINLEY 3/27/89	3.5	.5	—	4.0	CLEANED & REMOVED 1 8,000 UGT
KINLEY 4/7/89	.3	—	—	.3	REVIEW OF CLOSURE REPORT → FORWARD UGT
.3 TOTALS					Division 5 Stub

:OTE: INCLUDE UL#'s AND TANK SIZES UNDER REMARKS (6). (These should also be indicated on the plans.)

All time increments should be calculated in 1/10 hour increments. (i.e., 6 minutes - 1.)

:PB-66A

F-293 (REV. 5-75)

City of Los Angeles
DEPARTMENT OF FIRE
HAZARDOUS MATERIALS INFORMATION

PERMIT NUMBER
190012-55

PLAN CHECK NO.

New .....
Add. .....
Alt. .....
ANNUAL ..X.....

No change as of 1-31-84 KCU

Job Address 90025
12270 Nebraska Ave., Los Angeles, CA

Owner
Plaskon Products, Inc.

D.B.A.

Size of New Building, Addition or Yard Area

Use of New Building, Addition or Yard Area

Present Use of Existing Building Areas — Since (year)

Raw Material Storage-Manufacture of Plastic Molding Compounds — 1959

1. Indicate by a "Yes" or "No" for each of the following hazardous materials whether they are to be used, processed or stored in this building or yard area. (See back for definition)

FLAMMABLE LIQUIDS A Yes B No C No D No
FLAMMABLE GASES Yes DUSTS No FIBERS No
COMBUSTIBLE LIQUID Yes
COMBUSTIBLE DUST Yes FIBERS No

EXPLOSIVE AND UNSTABLE Yes (Dust)
CORROSIVE Yes
TOXIC No
OXIDIZERS Yes

2. Indicate equipment or process involving any of the above material:

Hydraulic Equipment	☒	Dust Collectors	☒	Drying Rooms (air)	☒
Indust./Medical Gas	☐	Electro Plating	☐	Flow Coaters	☐
Picking or Garnetting	☐	Spray Painting	☐	Dip Tanks	☐
Magnesium Processing	☐	Ovens, Process	☐	Baler or Shredder	☐
Molten Salt Baths	☐	Welding/Cutting	☒	Others (Mixers, Grinders, Roll Mills)	☒

3. List separately on reverse side any hazardous materials indicated in item 1. Show max. quantities in use, storage or processing and show class of flammable and combustible liquids.

PERSON TO CONTACT FOR HAZARDOUS MATERIAL INFORMATION

Name J. W. Carlyle Phone 213-272-4471

FIRE DEPARTMENT USE

Classification ..... Date ..... Occupancy Classification .....

By ..... By ..... Date .....

Comments ..... Comments .....

BUILDING DEPARTMENT USE

(OVER)

PROCESS LOCATION OR STORAGE LOCATION	TYPE OF HAZARDOUS MATERIALS	MAX QUANTITY USE LBS, ,ETC.	MAX QUANTITY IN STORAGE LBS,CAL,ETC.	CLASS OF FLAMMABLE LIQUIDS
Underground Storage Tank Outside drum storage	Acetone	75 gal.	7500 gal.	A
Raw Material Warehouse	Dapon Resin	6000 lbs.	80,000 lbs.	
" " "	Dicup R	10 lbs.	550 lbs.	
" " "	Silane	20 lbs.	800 lbs.	
" " "	DMP-30	40 lbs.	120 lbs.	
Catalyst Pit	T.B.P.	25 lbs.	2000 lbs.	
" "	t-butyl Peroxy-2-ethylhexanote 50% in DOP	25 lbs.	2000 lbs.	
" "	Dicup R	-0-	3300 lbs.	
Outside Diked Area	Oil (Lubricating & Hyd)	400 lbs.	4000 lbs.	
Outside - (Near Boiler)	Mogul Water Treatment	5 lbs.	700 lbs.	
Outside Restricted Area	Propane Gas	5 gal.	50 gal.	
Outside Restricted Area	Acetylene Gas	1 cylinder	5 cylinders	
" " "	Oxygen Gas	1 cylinder	2 cylinders	

IN CASE OF ANY TYPE EMERGENCY, IMMEDIATELY CALL FIRE DEPARTMENT

I hereby certify that the use, storage or process of hazardous materials in this building or premises will be limited to quantity as indicated above.

Signature J. W. Carlyle Date 12-8-81

Owner or Responsible Agent

HAZARDOUS MATERIAL DEFINITIONS (brief)

AIR REACTIVE MATERIAL — Any material which will ignite spontaneously in contact with air.

COMBUSTIBLE MATERIALS — Liquids with a flash point of 150° F. or above and other materials which ignite and actively support combustion when exposed to an environmental temperature of 1500° F. for a period of not less than 5 minutes.

CORROSIVE MATERIAL — Solids, liquids or gases which can damage living tissue or cause fire.

EXPLOSIVE MATERIAL — Any compound which is classed as an A, B, or C Explosive.

OXIDIZING MATERIALS — Any element or compound which yields oxygen or reacts when subjected to water, heat or fire conditions.

TOXIC MATERIALS — Gases, liquids or solids which may create a hazard to life by ingestion, inhalation, etc., under fire conditions.

UNSTABLE MATERIALS — Those materials which react from heat, shock, friction, contamination, etc., and which are capable of violent decomposition or auto reaction, but which are not designed primarily as an explosive.

WATER REACTIVE MATERIAL — React violently or dangerously upon exposure to water or moisture.

OTHER MATERIALS — Indicate any material of which you are in doubt as to proper classification.

FLAMMABLE LIQUIDS AND MATERIALS — Gases, liquefied gases, liquids, dusts, fibers, or other materials which are flamable. (57.02 or 91.1005 of the L. A. M. C.)

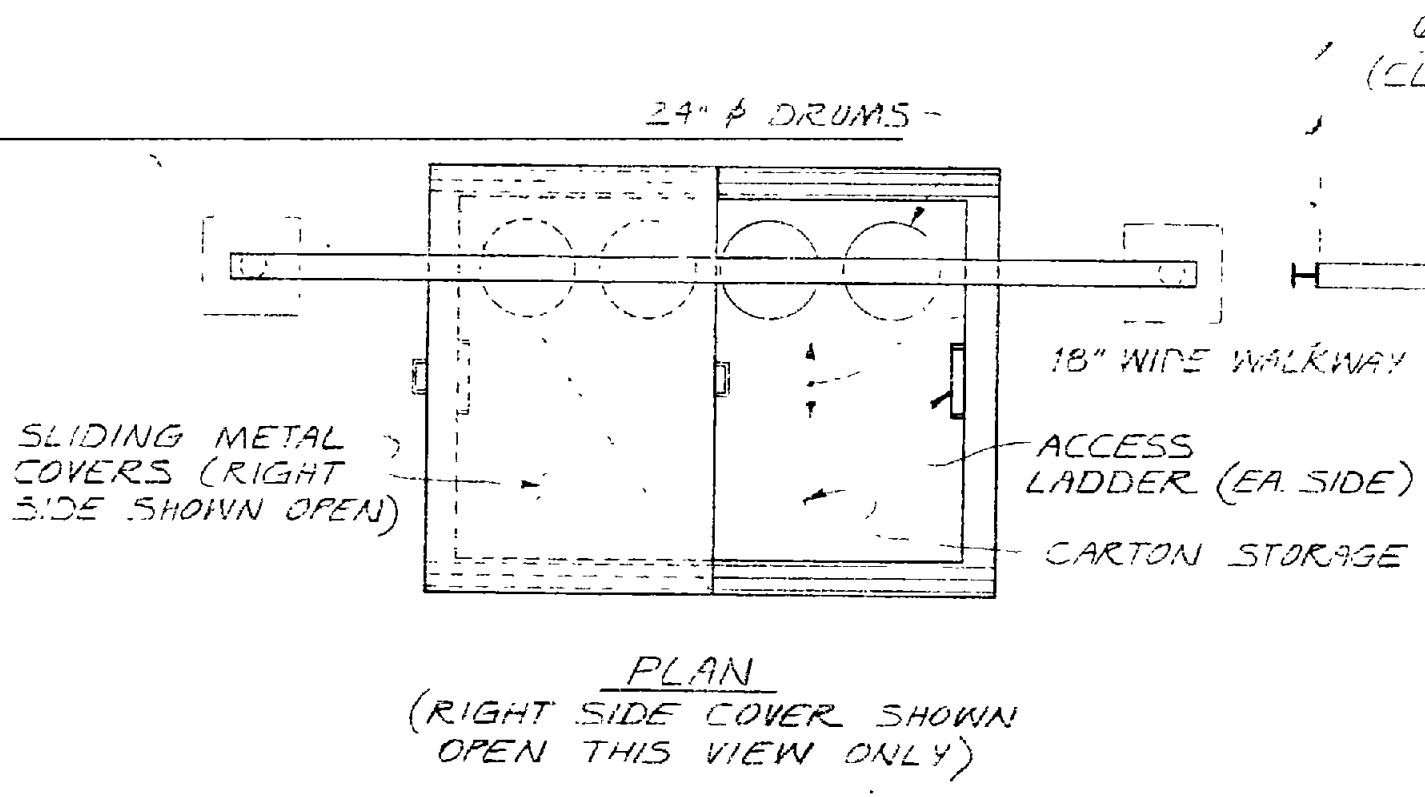
FLAMMABLE LIQUID — Any liquid having a flash point below 150° F. and a vapor pressure not greater than 27 psi (absolute) at 100° F. Flammable liquids shall be divided into four classes as follows:

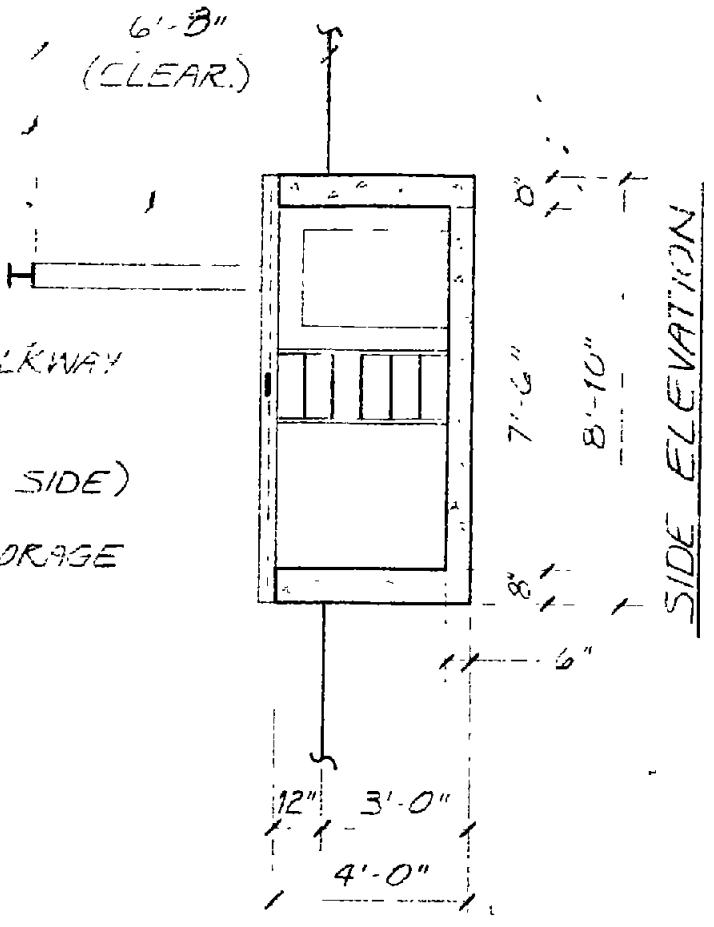
CLASS A — Flammable liquids having a flash point below 70° F. and a vapor pressure greater than 14.7 psi (absolute) but not greater than 27 psi (absolute) at 100° F.

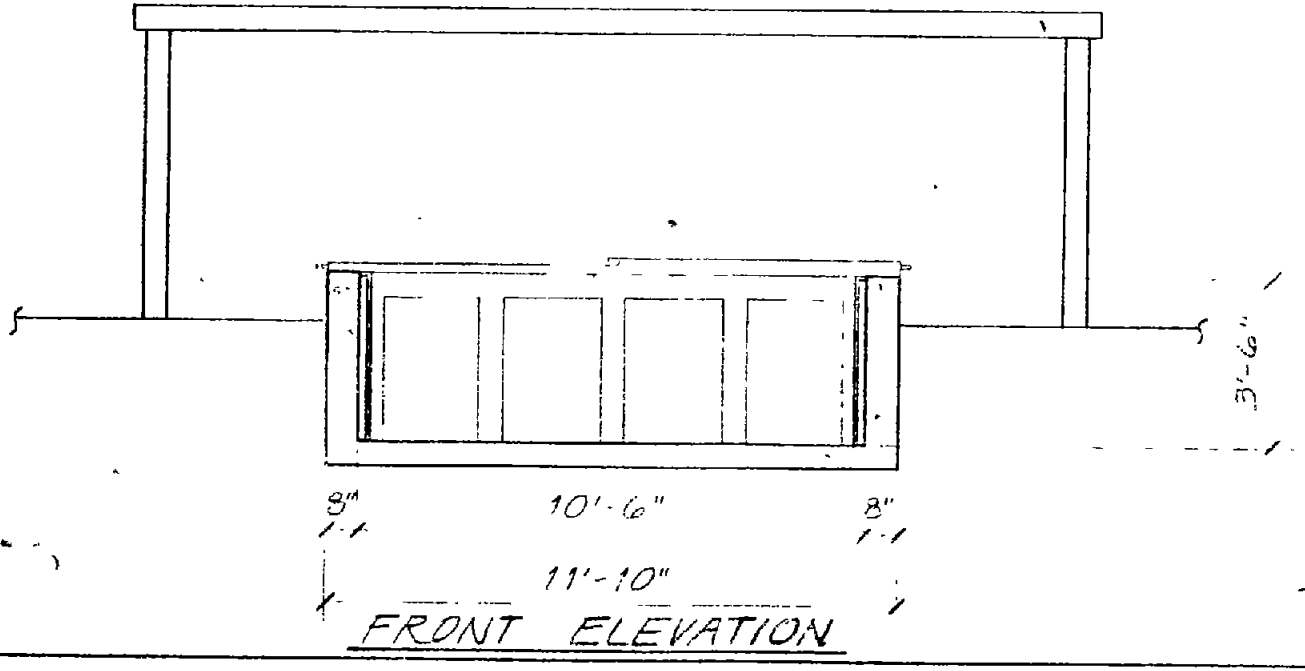
CLASS B — Flammable liquids having a flash point below 70° F. and a vapor pressure not greater than 14.7 psi (absolute) at 100° F.

CLASS C — Flammable liquids having a flash point of 70° F. or greater but less than 100° F.

CLASS D — Flammable liquids having a flash point of 100° F. or greater but less than 150° F.







NORMAL FULL LOAD
WILL HOLD: 72 CONT. TBP = 2880#
4 DR DI CUP = 110'#

MAXIMUM 144 CONT. TBP = 5760#

ALLIED CHEMICAL CO.

UNSTABLE MATERIALS PIT

1-18-78

3/77 DIETERICH-POST CLEARPRINT 1000H

TBP - TERTIARY BUTYL PERBENZOATE
44 # CONTAINERS

DI-CUP-R - DICUMYL PEROXIDE
275 # DRUMS

NOTIFICATION OF UNDERGROUND TANK ABANDONMENT

5/22/85
(Date)

City of Los Angeles Fire Department
Fire Prevention Bureau
200 North Main Street, Room 920
Los Angeles, California 90012

12270 NEBRASKA

Attention: Records Office

Gentlemen:

This letter is to comply with Fire Department regulations regarding underground tank abandonment. (57.31.16).

The tank(s) are/were located from two property lines as follows: OVER.
(Show sketch on reverse side).

The number of tank(s) 1 and total capacity in gallons each 7500 GAL.

WHEN REMOVED:

The label numbers (or other tank designation numbers) were as follows: UL ~~P700~~D703321.

The tank(s), prior to transporting were degassed, using 150 lbs pounds of carbon dioxide (dry ice). (One pound CO_2 per hundred gallons capacity of tank).

The tank(s) were removed to: 522 DECONVREUR WILMINGTON.

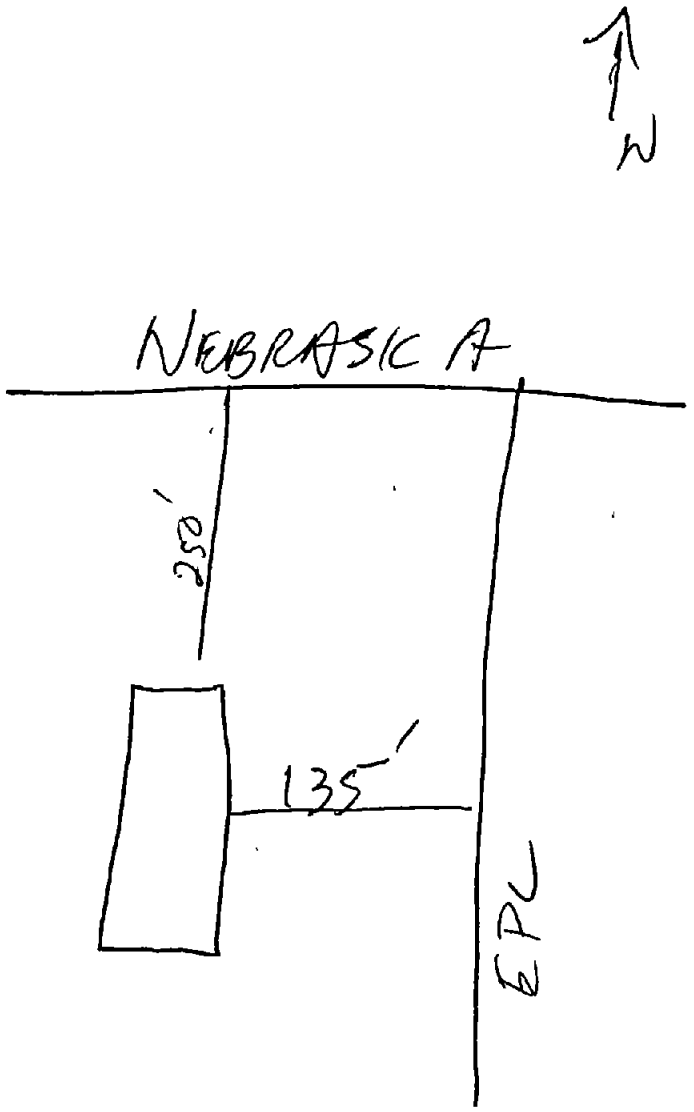
WHEN FILLED:

Approved mixture type _____, using _____ cu. yards total. The material was supplied by: _____.

The abandonment work was inspected by: DON SAWYER.
Fire Inspector

H Potter
Signature of Responsible Person

FPB #66


N
NEBRASKA
250'
135'
EPL

F-280

FIRE DEPARTMENT — CITY OF LOS ANGELES

APPLICATION FOR PERMIT

West Industrial

Reg. No. 48955

Date APR 18 1985

Name of Owner: Plaskon Elect. Materials	Doing Business As:
Address of Owner: 12270 Nebraska Ave.	Owner's Phone:
Address of Installation: Los Angeles, Ca	Phone at Installation:
Mail Permit to: Spencer + Jones 247 N. Covina Ln. Industry 91746	
Signature of Applicant: Shirley Kirkendall	Title: agent
Contractor's Phone: 818) 369-1811	

Do Not Write Below This Line

NO.	ITEM	FEE
ONE	8000 GAL Under Ground Dbl wall Atmo. Tank	174.00

Tank # U.L. J227533

Comp. 5/29/85

Total Fee	Approved	Disapproved	Date	Inspector
174.00	☑	☐	APR 18 1985	[signature]

NOTIFICATION OF UNDERGROUND TANK ABANDONMENT

6 Jan 84
(Date)

City of Los Angeles Fire Department
Fire Prevention Bureau
200 North Main Street, Room 920
Los Angeles, California 90012

Attention: Records Office

Gentlemen:

This letter is to comply with Fire Department regulations regarding underground tank abandonment. (57.31.16).

The tank(s) are/were located from two property lines as follows:

11 Santa Monica Bl West LA.

(Show sketch on reverse side).

The number of tank(s) 4 and total capacity in gallons each (1) 10,000 (2) 10 000 (3) 10000 (4) 19000.

WHEN REMOVED:

The label numbers (or other tank designation numbers) were as follows: (1) UL G188714 (2) UL G188715 (3) UL G188716 (4) UL G188706.

The tank(s), prior to transporting were degassed, using 400 pounds of carbon dioxide (dry ice). (One pound CO_2 per hundred gallons capacity of tank).

The tank(s) were removed to: Carson Ca

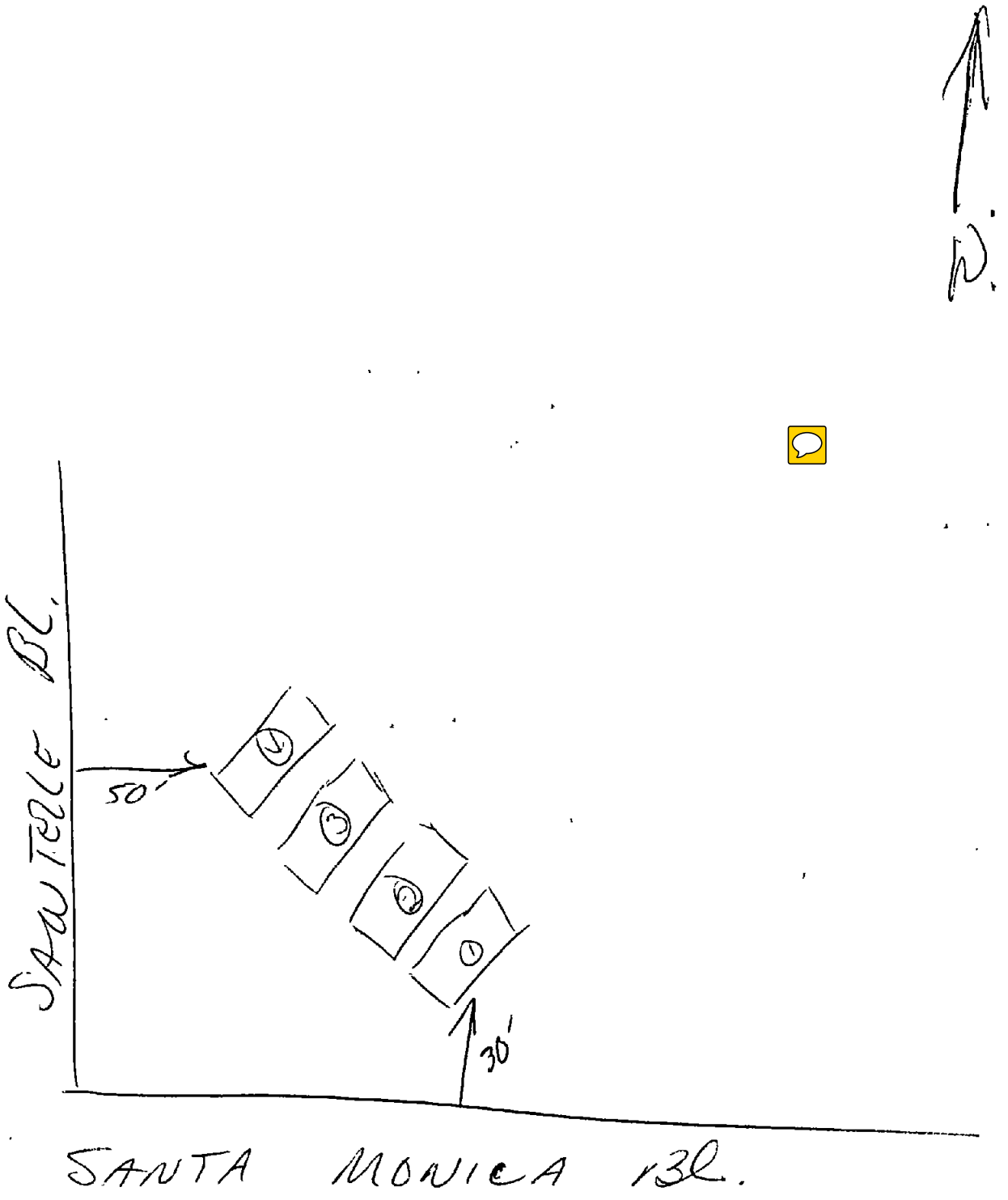
WHEN FILLED:

Approved mixture type _____, using _____ cu. yards total. The material was supplied by: _____.

The abandonment work was inspected by: Robert Vowers.
Fire Inspector

Daniel Moore
Signature of Responsible Person

FPB #66


N.
SAN TERLE BL.
50'
30'
SANTA MONICA BL.

ID 1046

FIRE PERMIT APPLICATION FOR UNDERGROUND TANKS OR ATMOSPHERIC TANK SYSTEMS

INSTRUCTIONS: Complete all items below. Return page with payment. Type or print neatly.

SECTION 1

CITY CLERK USE ONLY	PD DT 05-26-88

CURRENT FIRE PERMIT NO. 120548-47

LEGAL NAME Plaskon Electronic Materials, Inc.

BUSINESS ADDRESS 12270 Nebraska Avenue UNIT #
(Where underground tanks are located) Street No. Full Street Name

CITY CLERK USE ONLY	ED	

CITY Los Angeles STATE CA ZIP 90025

DOING BUSINESS AS

IN CARE OF BUSINESS MAILING ADDRESS see above
P.O. Box, Address, and Street State Zip

NAME OF BUSINESS OWNER Rohm and Haas Company

TELEPHONE NO.: BUSINESS 213/272-4471 24-HOUR EMERGENCY 213/313-3161

NAME OF PROPERTY OWNER Plaskon Elec. Matls MAILING ADDRESS see above

Briefly describe nature of your business (use additional sheet if needed) manufacturer of plastic molding compounds

FOR CITY CLERK USE ONLY	FD F	CLASS 7147	MC 9	PC 21	PERIOD A88	AMOUNT $ 123.00

SECTION 2

FEE CALCULATION

		No. of tanks	Subtotal
Permit for Underground Tanks	$67.00 X	1	= ~~$67.00~~
State of California surchage for Underground Tanks	$56.00 X	1	= ~~$56.00~~

FEE EXEMPTION:

If your establishment is a government agency, check here ____
Do not fill in fee calculation
Government agencies must file an application, however no fee is required.

Please retain a copy for your records

PAY THIS AMOUNT → $123

MAKE ALL CHECKS PAYABLE TO ELIAS MARTINEZ, CITY CLERK

REMIT TO:

CITY OF LOS ANGELES
TAX AND PERMIT DIVISION
P.O. BOX 30626
LOS ANGELES, CA 90030-0626

Mandira Simental Supv. Environmental Services 5/13/88
Signature of Owner or Authorized Representative Title Date

FIRE DEPT USE ONLY	MASTER CODE		Date ____	LAFD Signature ____

COVER LETTER

RECEIVED
JUN 1 3 1989
Underground Tank Unit

ANYTIME correspondence is forwarded to the Underground Tank Unit, this cover letter shall be included.

TO: UNDERGROUND TANK UNIT

FROM: INSPECTOR Kinley UNIT WICU

SITE ADDRESS: 12270 Nebraska Ave.

SITE WITH NO SOIL CONTAMINATION

- [x] Copy FPB 66
- [x] Original time survey sheet (FPB 66-A)
- [x] Copy of soil analysis report

SITE WITH GROUND CONTAMINATION

- [ ] Copy FPB 66
- [ ] Copy of notices written for soils samples and/or site assessment
- [ ] Original time survey sheet (FPB 66-A)
- [ ] Copy of soil analysis
- [ ] Forward two of the three required copies of the site assessment
- [ ] copies of memeos regarding the site

ADDITIONAL COMMENTS

- [x] Site closed-no contamination
- [ ] Site closed-contamination remediation finished
- [ ] Site assessment for review
- [ ] Other

Unit Commander

NOTICE OF UNDERGROUND TANK ABANDONMENT

MAR. 27, 1989
(Date)

City of Los Angeles Fire Department
Fire Prevention Bureau
200 North Main Street, Room 920
Los Angeles, California 90012

Attention: Records Office

Gentlemen:

This letter is to comply with Fire Department regulations regarding underground tank abandonment. (57.31.16)

The tank(s) was/were located at the following street address:

12270 NEBRASKA AVE.

The tank(s) was/were located from 2 property lines as follows:

SEE REVERSE (ATTACHED SHEET
(Show sketch on reverse side.)

The number of tank(s) 1 and total capacity in gallons

each 8,000

WHEN REMOVED:

The label numbers (or other tank designation numbers) were as

follows: NL J227538

The tank(s), prior to transporting was/were degassed, using CERTIFIED CLEAN pounds of carbon dioxide (dry ice). (One pound CO_2 per hundred gallons capacity of tank).

The tank(s) was/were removed to: A.M.R. ONTARIO

WHEN FILLED:

Approved mixture type _____, using _____ cu. yards

total. The material was supplied by: _____

The abandonment work was inspected by: Thomas P. Kuel
Fire Inspector

Signature of Responsible Person

FPB #66

Los Angeles City Fire Department
(LAFD)
12300 Nebraska Avenue

Original Documents

Copies are inside folder.

DO NOT REMOVE

482-7432

(213) 481-6821

EDWARD KING

CIVIL ENGINEERING SECTION
POWER DESIGN AND
CONSTRUCTION DIVISION

DEPARTMENT OF WATER & POWER
CITY OF LOS ANGELES
RM. 1034, 111 NORTH HOPE ST.
LOS ANGELES, CALIF. 90051

HERBERT KAO, MPH

INDUSTRIAL HYGIENIST

• ENVIRONMENTAL CHEMIST

DAN NAPIER & ASSOCIATES

OCCUPATIONAL HEALTH AND
SAFETY CONSULTANTS

15342 HAWTHORNE BOULEVARD, SUITE 207
POST OFFICE BOX 1540
LAWNDALE, CALIFORNIA 90260-6440

TELEPHONE (213) 644-1924
TELEFAX (213) 644-8370
VOICEMAIL (213) 318-1058

F-350

Granted 12-04-90

Expires 12-04

Fire Department
City of Los Angeles
PERMIT

Reg. No. 326

Fee Paid Exempt-714

In accordance with terms of the application on file with the Fire Prevention Bureau, permission is granted to: MUST COMPLY WITH FPB REQUIREMENT NO. 41

Name

Los Angeles Department of Water and Power

Mail to

Los Angeles Department of Water and Power
111 North Hope Street
Los Angeles, CA 900

Permit to:

Abandon 3atmospheric [illegible] plans and specifications submitted to the [illegible] Prevention Bureau and subject to the field inspection [illegible]

Location

12300 Nebraska Avenue
Los Angeles

BY ORDER OF CHIEF ENGINEER

By [illegible]
JG

Fire Marshal

Form 526 1(a)—Rev. 10-68 (M-45, 46)

3

LICATION FOR FIRE PERMIT

OF OF THE CITY CLERK — LOS ANGELES

FEES

NAME OF OWNER(S)	OVERLAND PLUMBING INC	
DOING BUSINESS AS		Permit Fee $
BUSINESS ADDRESS OR LOCATION DESCRIPTION	3332 MOTOR AVE ZN 34	Penalty $
MAILING ADDRESS	SAME	Total $
TYPE OF BUSINESS	FUELING STATION DATE STARTED	TELEPHONE NUMBER

CLASSIFICATION CODE	NEW OR TRANSFER	MAXIMUM CAPACITY	MAX. QUANTITY—HAZARDOUS MATERIAL	OIL WELL, LAFD No.
702				

PERMIT GRANTED

NOTICE TO APPLY: You are hereby directed to apply and pay the required fee to the City Clerk for a Fire Permit on or before ..... or penalty will apply.

Issued by: ..... Date .....
INSPECTOR

APPROVED: [signature] Date 6/15/71

APPLICATION FOR PERMIT: I hereby declare that I am the owner of the above business or authorized representative of the owner and that I am in charge of the business, operation, occupation or premises described herein. I agree to comply with all Regulations, Laws or Ordinances pertaining to or regulating such business that are now in effect or that may be hereafter adopted.

SIGNATURE OF APPLICANT DUPLICATE APP.

Title ..... Date .....

OFFICE COLLECTION	INSPECTOR REPORT	OFFICE BILLING
Fee $ 16.50	Fee $	Fee $
Penalty	Penalty	Penalty
Total 16.50	Total	Total

JUN 18 1971

PERMIT NUMBER	DEPUTY CITY CLERK
F613449-702	LOREDO 6/2/71

TO BILLING UNIT		NO BILLING REQUIRED	
INITIAL	DATE	INITIAL	DATE

Form 526.1(b)—Rev. 10-68 (M-46)

HOW TO FILE YOUR APPLICATION

IF YOU APPLY IN PERSON: Take this form to the City Clerk's Office at one of the following locations:

DOWNTOWN LOS ANGELES, Room 101, City Hall, 201 N. Main St.

HOLLYWOOD, 6501 Fountain Ave.
8 a.m. to 12 noon, 1 p.m. to 5 p.m.

SAN PEDRO CITY HALL, 638 S. Beacon St., Rm. 303
(Monday, Wednesday and Friday only) 8 a.m. to 12 noon, 1 p.m. to 5 p.m.

VAN NUYS, 14401 Erwin St.

WATTS CITY HALL, Rm. 4, 1513 E. 103rd St.
(Tues. & Thurs. only) 1 p.m. to 4 p.m.

WESTCHESTER, MUNICIPAL BUILDING, Room 1, 7166 Manchester Ave.
(Tues. & Thurs. only) 8 a.m. to 12 noon, 1 p.m. to 5 p.m.

WEST LOS ANGELES, 1650 Purdue Ave., Room 104

IF YOU APPLY BY MAIL: Sign the application and mail with your remittance.

Make check payable to Rex E. Layton, City Clerk

All mail applications must be addressed to:

CITY CLERK'S OFFICE
Room 101, City Hall
Los Angeles, Calif. 90012

DEPARTMENT OF WATER & POWER
OF THE CITY OF LOS ANGELES
POWER SYSTEM

RECEIVED
MAY 2 - 1991
UNDERGROUND TANK
ENFORCEMENT UNIT

CHEMISTRY LABORATORY DATA REPORT

Soil Test
Gasoline Tank Removal, 12300 Nebraska Avenue

Nine soil samples, taken on February 20, 1991, from four excavation sites of underground tanks at 12300 Nebraska Avenue, Los Angeles, were submitted to the Chemistry Laboratory for determination of their Total petroleum hydrocarbons (TPH), volatile petroleum hydrocarbons (VPH) and BTEX. The BTEX are benzene (BEN), toluene (TOL), ethyl benzene (EBZ), and xylenes (XYL).

The methods used for measuring the TPH, VPH and BTEX contents were USEPA methods 418.1, 8015 and 8020 as listed in the California LUFT Manual. The method practical quantitation limits (PQL) are 10 milligrams per kilogram (ppm) for TPH and VPH, and 10 micrograms per kilogram (ppb) for BTEX. The test results are attached.

If you have any questions or if further information is required, please contact Mr. Stanley Kung at (213) 481-6607.

Date Completed: 3/18/91
Work Order No.: MKC55
Job Card No.: J83000C
Copies to: E. I. King (3)
W. W. Glauz
H. W. Rupp
T. B. Hemming
S. M. Kung
91 CCC145

Test Made by: TMH, LNK
Report by: SMK
Checked by: AEC
Approved: T. B. Hemming
T. B. Hemming,
Director of
Chemistry Laboratory

Gasoline Tank Removal Site

Log No	Sample	Date Analyzed	ppm VPH	ppb BEN	TOL	EBZ	XYL
G13387	#1, NW End, 3' below	2/25/90	nd*	nd	nd	nd	nd
G13388	#2, SE End, 3' below	2/25/90	nd	nd	nd	nd	nd
G13389	#3, Tank, 3' below	2/25/90	nd	nd	nd	nd	nd

* nd - not detected.

White Gasoline Tank Removal Site

Log No	Sample	Date Analyzed	ppm VPH	ppb BEN	TOL	EBZ	XYL
G13390	#1, NW End, 3' below	2/25/90	nd	nd	nd	nd	nd
G13391	#2, SE End, 3' below	2/25/90	nd	nd	nd	nd	nd

* nd - not detected.

Waste Oil Tank Removal Site

Log No	Sample	Date Analyzed	ppm TPH	ppm VPH	ppb BEN	TOL	EBZ	XYL
G13392	#1, Tank, 3' below	2/25/90	nd	nd	nd	nd	nd	26.[illegible]

* nd - not detected.

Gasoline Island and Pipe Trench Site

Log No	Sample	Date Analyzed	ppm VPH	ppb BEN	TOL	EBZ	XYL
G13393	#1, Pipe Trench, 12" below Subsurface	2/25/90	nd	nd	nd	nd	1[illegible]
G13394	#2, Gasoline Island 3' below Subsurface	2/25/90	nd	nd	12.2	nd	20.[illegible]
G13395	#3, Gasoline Island 3' below Subsurface	2/25/90	nd	nd	nd	nd	nd

* nd - not detected.

Lab Data.

Two Week Turnaround

ab and Technical Services
hemistry Laboratory
630 N. Main Street, Bldg 7
os Angeles, CA. 90051
213) 481-6692
213) 482-7259 (fax)

CHAIN OF CUSTODY RECORD

Department of Water and Power
City of Los Angeles

CHEM LAB USE ONLY
CHEM LAB LOG NOs. G13387-95
PAGE 1 OF 1 C# _____ SHELF _____

SAMPLE LOCATION / ADDRESS: 12300 NEBRASKA AVE.

Chem Lab use only CHEMISTRY LOG NUMBERS	SAMPLE DATE	SAMPLE TIME	SAMPLE DESCRIPTION	#/TYPE CONTAINER	SAMPLE TYPE	ANALYSIS REQUIRED
1.	2/20/91		WLA DISTRIBUTION HEADQUARTER			
2.			GASOLINE TANK REMOVAL	GLASS JAR	SOIL	EPA #8015 & 8020
3. G13387 (1)		1:40PM	#1, NW END, 3' BELOW TANK	"	"	DO " "
4. 13388 (2)		1:55PM	#2, SE END, 3' BELOW TANK	"	"	DO " "
5. 13389 (3)		1:50PM	#3 ℄ TANK, 3' BELOW TANK			
6.						
7.			WHITE GASOLINE TANK REMOVAL			EPA #8015 & 8020
8. 13390 (4)		1:45PM	#1, NW END, 3' BELOW TANK	"	"	DO " "
9. 13391 (5)		1:30PM	#2, SE END, 3' BELOW TANK	"	"	DO " "
0. 13392 (6)			WASTE OIL TANK REMOVAL			EPA #418.1
		11:20AM	#1, 3' BELOW ℄ OF TANK	"	"	
			GASOLINE ISLAND & PIPE TRENCH			EPA #8015 & 8020
3. 13393 (7)		2:00PM	#1, PIPE TRENCH, 12" BELOW SUBBASE	"	"	DO " "
4. 13394 (8)		2:15PM	#2, GASOLINE ISLAND, 3' BELOW SUBBASE	"	"	DO " "
5. 13395 (9)		2:10PM	#3, GASOLINE ISLAND, 3' BELOW SUBBASE			

REQUESTED BY WAYNE BAMOSSY ORGANIZATION PD&C CIVIL ENGG
REQUESTOR'S ADDRESS 1029 GOB TEL # 481-5516 FAX # 481-8701

PRINTED NAME	SIGNATURE	DATE	TIME
SAMPLED BY: EDWARD KING	Edward King	2/20/91	3:25PM
RECEIVED BY:			
RELINQUISHED BY: EDWARD KING	Edward King	2/20/91	3:25PM
RECEIVED FOR LABORATORY BY:			

LABORATORY SERVICES ... 91 FEB 20 ... CHEMISTRY LABORATORY

OMP3 C:\FI\CHAIN1 (REVISED 04/18/90)

DISTRIBUTION: SIGNED ORIGINAL ACCOMPANIES SHIPMENT, A FIELD COPY WILL BE SIGNED AND HANDED BACK TO FIELD CREW

AMERICAN METAL RECYCLING, INC. FUEL TANK

2202 South Milliken Avenue
Ontario, CA 91761
(714) 988-8000

No. 36290

TANK DISPOSAL FORM

Date: 2-27, 1991
Job #
P.O. #

CONTRACTOR: ERICKSON, Inc.
ADDRESS: 13738 Slover Ave., Fontana, CA 92335
JOB SITE: ERICKSON
ADDRESS: 13738 Slover Ave., Fontana, Calif.
DESTINATION: A.M.R. 2202 S. Milliken Ave., Ontario, CA 91761

DATE	TIME	PROJECTED TANKS	ORDERED BY:	LIC NO.

SPECIAL INSTRUCTIONS:

TIME IN: 31298/819
TIME OUT: 31305/839
31296/764
31303/831,832,833,834,835,836
31306/840
31309/846

✓	Services Rendered	Cost
	Disposal Fee	200.00
	Extensive Loading Time	150.00
	Disposal Fee with Permit	300.00
	Fiberglass Tank Disposal Fee Per Tank	400.00
	Fiberglass Tank Delivered	200.00
	Bobtail Disposal Fee	250.00
	Cancellation Fee	250.00

TOTAL CHARGES $ 0

All fees incurred are per load unless specified. Terms are net 30 days from date of invoice. Contractor's signature represents acceptance of terms for payment, and confirms that tank removal complies with State laws.

CONTRACTOR'S SIGNATURE

TANKS RECEIVED

QTY	GALLONS	TYPE F*	TYPE S*	NET TONS	TOTAL
	550	☐	☐	.14	
2	500	☐	☑	.21	
	550	☐	☐	.24	
1	1000 - 1.5 ft.	☐	☑	.44	
	1000 - 6 ft.	☐	☐	.51	
	1000	☐	☐	.57	
	5000	☐	☐	.97	
	5000	☐	☐	1.14	
5	5000	☐	☑	1.58	
	5000	☐	☑	1.84	
	5000	☐	☐	2.48	
	6000	☐	☐	2.84	
	7000	☐	☐	3.26	
1	8000	☐	☑	3.44	
	8000	☐	☐	3.92	
	10000	☐	☑	4.33	
	12000	☐	☐	4.93	

NO. OF TANKS	TOTAL	NET TONS
11		0

*F — FIBERGLASS *S — STEEL 105

CERTIFICATE OF TANK DISPOSAL / DESTRUCTION

THIS IS TO CERTIFY THE RECEIPT AND ACCEPTANCE OF THE TANK(S) AS SPECIFIED ABOVE. ALL MATERIALS SPECIFIED HAVE BEEN COMPLETELY DESTROYED FOR SCRAP PURPOSES ONLY.

Cheryl Rorie
AUTHORIZED REP

February 27, 1991
DATE

PAYMENT RECEIVED BY CONTRACTOR COPY

MAR-26-'91 12:45 ID:HYDRO-FLUENT INC TEL NO:714-999-1341
03-25-91 MON 16:30

© Copyright 1982 & Published by J. J. KELLER & ASSOCIATES, INC., P.O. Box 548 • Neenah, Wisconsin 54957-0548

STRAIGHT BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

Shipper's No. _____

Carrier's No. _____

CARRIER: American Metal Recycling, Inc. SCAC Date 2/26/91

TO:
Consignee American Metal Recycling, Inc.
Street 2202 S. Milliken Ave.
Destination Ontario, CA Zip 91761

FROM:
Shipper Erickson, Inc.
Street 13738 Slover Ave.
Origin Fontana, CA Zip 92335

Route:

Vehicle Number

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (for exception)
		Non-Dot regulated material gas free, decontaminated underground tanks for scrap	None	N/A	N/A	N/A	None
		31303/836 500					
		31306/840 500					
		31309/846 1,000					

Remit C.O.D. to:
Address:
City: State: Zip:

COD Amt: $

C.O.D. FEE:
Prepaid ☐
Collect ☐ $

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
(Signature of Consignor)

FREIGHT CHARGES
☐ PREPAID ☐ COLLECT

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
for _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO — FURNISHED BY CARRIER
DRIVER SIGNATURE:

SHIPPER: Erickson, Inc.
PER: [signature]
DATE:

CARRIER: American Metal Recycling, Inc.
PER: [signature]
DATE:

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge

8-BLE-A3
(Rev 8/80)

D. W. RUSSELL CO.
412 West "B" Street
Wilmington, CA 90744

(213) 775-1666 (213) 651-4220

Tank Disposal Form. _____ Date: 2/20/91
Contractor: A.M. [illegible]
Address: 933 G St. Wilmington
Generator: D.W. [illegible]
Address: 12300 NEBRASKA AVE. L.A.
Destination: D.W. Russell Co. 412 W. B St. Wilmington, Ca. 90744

Date Received 2/20/91 Projected Tanks: 1

QTY.	GALLONS	Tanks Received TYPE	NET. TONS.
	280		.14
	500		.21
	550		.24
	1,000 -12'		.61
	1,000 - 6'		.61
	1,500		.87
	2,000		.97
	2,500		1.14
	3,000		1.32
	4,000		1.64
	5,000		2.42
	6,000		2.84
1	7,500	Gas Tank	3.26
	8,000		3.44
	9,000		3.82
	10,000		4.33
	12,000		4.93
	15,000		6.71
	20,000		8.64
	25,000		10.16
	50,000		26.19

Certifiace of Tank Disposal

This is to certify the receipt and acceptance of the tank(s) as specified above.
All materials specified have been completely destroyed for scrap purposes only.

[signature]
Authorized Rep.

2/20/91
Date.

D.W. RUSSELL CO.
412 West "B" Street
Wilmington, CA 90744

(213) 775-1666 (213) 661-4820

Tank Disposal Form. Date: 2/20/91
Contractor: [illegible]
Address: [illegible]
Generator: D.W.R.
Address: [illegible]
Destination: D.W. Russell Co. 412 W. B St. Wilmington, Ca. 90744

Date Received 3/20/91 Projected Tanks: 1

Tanks Received

QTY.	GALLONS	TYPE	NET. TONS.
	200		.14
	500		.21
	550		.24
	1,000 =12'		.61
	1,000 = 6'		.61
	1,500		.87
1	2,000	Bad Tank	.97
	2,500		1.14
	3,000		1.32
	4,000		1.64
	5,000		1.42
	6,000		2.84
	7,500		3.26
	8,000		3.44
	9,000		3.82
	10,000		4.33
	12,000		4.93
	15,000		6.71
	20,000		8.64
	25,000		10.16
	50,000		26.19

Certifiace of Tank Disposal

This is to certify the receipt and acceptance of the tank(s) as specified above.
All materials specified have been completely destroyed for scrap purposes only.

Authorized Rep. 2/20/91
Date.

91072588

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR

3. Generator's Name and Mailing Address: West L.A. District Ctr. LA Dept. of Water and Power 12300 Nebraska Ave, Los Angeles, CA

4. Generator's Phone: (213) 820-1014

A. State Generator's ID: CAL000014311277

5. Transporter 1 Company Name: A.M. Pumping Inc.

6. US EPA ID Number: CAT080012776

C. State Transporter's ID: 104945

D. Transporter's Phone: 213-522-1800

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: Gibson Oil & Refining Rd. END of Commercial Rd. Bakersfield Ca. 93308

10. US EPA ID Number: CAD980885177

G. State Facility's ID: CAD980883177

H. Facility's Phone: 805-327-0413

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. NON R.C.R.A. Hazardous Waste Liquid.	001	TT		G	State 223 / EPA/Other EXEMPT
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: UNDERGROUND RINSATE TNK.

K. Handling Codes for Wastes Listed Above: a. b. c. d.

15. Special Handling Instructions and Additional Information

Acct. # 9236-3
IN CASE OF SPILL, 213
CONTACT: A-M-PUMPING. 522-18

USE Gloves & Goggles when Handling.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Russell D. Wilson — Signature: Russell D. Wilson — Month Day Year: 10 21 2091

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: DANIEL ZUMAYA — Signature: Daniel Zumaya — Month Day Year: 10 21 2091

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name — Signature — Month Day Year

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800 424-8802, WITHIN CALIFORNIA CALL 1 800 852-7550

GENERATOR

3. Generator's Name and Mailing Address: L.A. D.W.P. WEST L.A. DISTRIBUTION HQ; 12300 NEBRASKA AVE L.A., CA

4. Generator's Phone: (213) 820-1014

A. State Manifest Document Number: 88430422

B. State Generator's ID: HYH03600814 6

5. Transporter 1 Company Name: L.A. DEPT. OF WATER & POWER

6. US EPA ID Number: CAD 010063999

C. State Transporter's ID: 110873

D. Transporter's Phone: (213) 481-6561

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: ERICKSON, 13738 SLOVERAY, FONTANA, CA. 92335

10. US EPA ID Number: CAD 982484933

G. State Facility's ID

H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. NON RCRA HAZARDOUS SOLID EMPTY UNDERGROUND STORAGE TANK	1	TP		P	State 572 / EPA/Other NONE
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: 1- EMPTY U/G STORAGE TANK - 500 GAL

K. Handling Codes for Wastes Listed Above: a. b. c. d.

15. Special Handling Instructions and Additional Information: EMERGENCY PHONE - ENERGY CONTROL CENTER (818) 352-7864

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: DAVID L WINSTON FOR RUSS WILSON — Signature: David L Winston FOR Russ Wilson — Month Day Year: 02 09 1

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JAMES R. JOYCE — Signature: James R Joyce — Month Day Year: 02 09 1

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

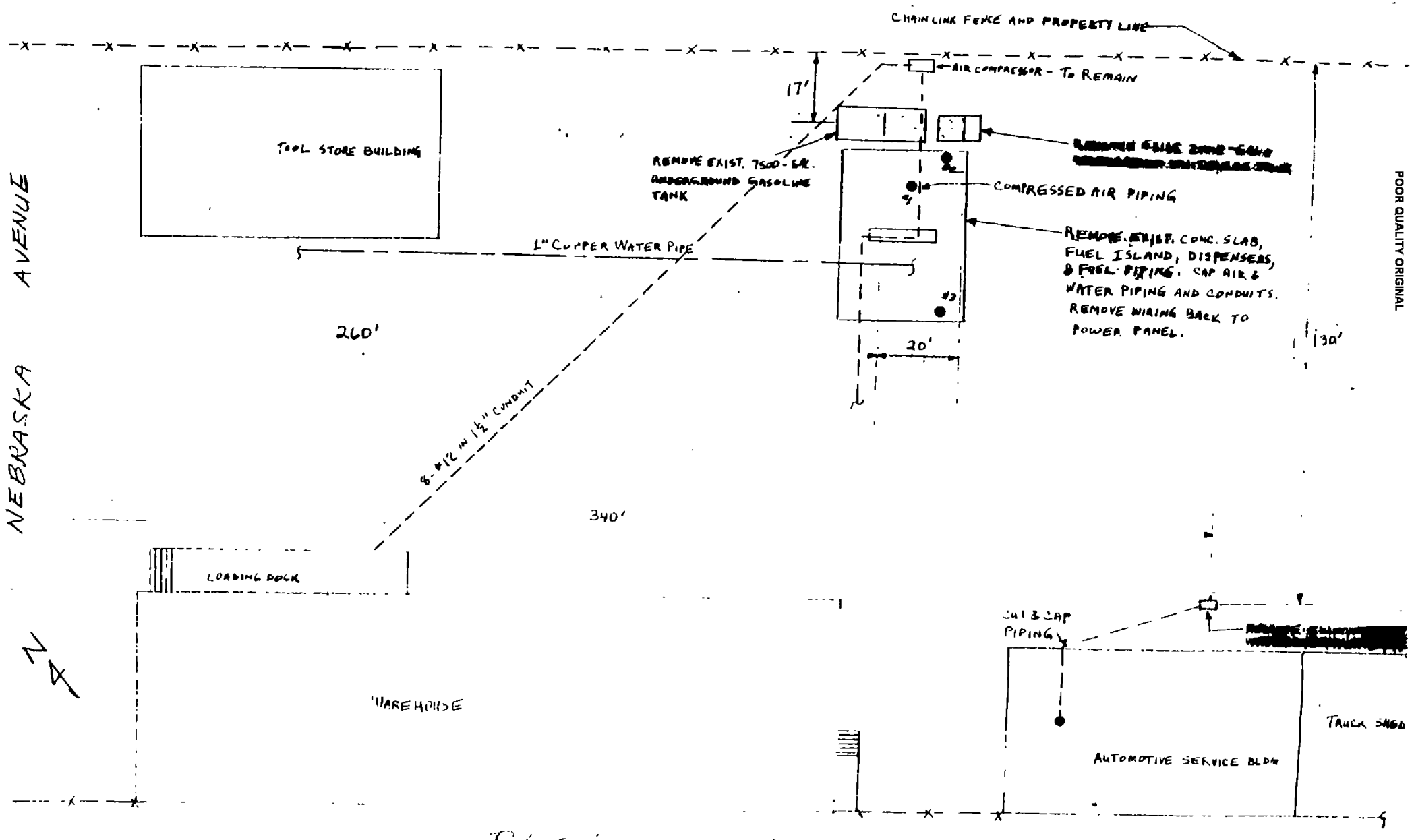
Printed/Typed Name — Signature — Month Day Year

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

WEST LOS ANGELES DISTRIBUTION HEADQUARTER
12350 NEBRASKA AVE., LOS ANGELES



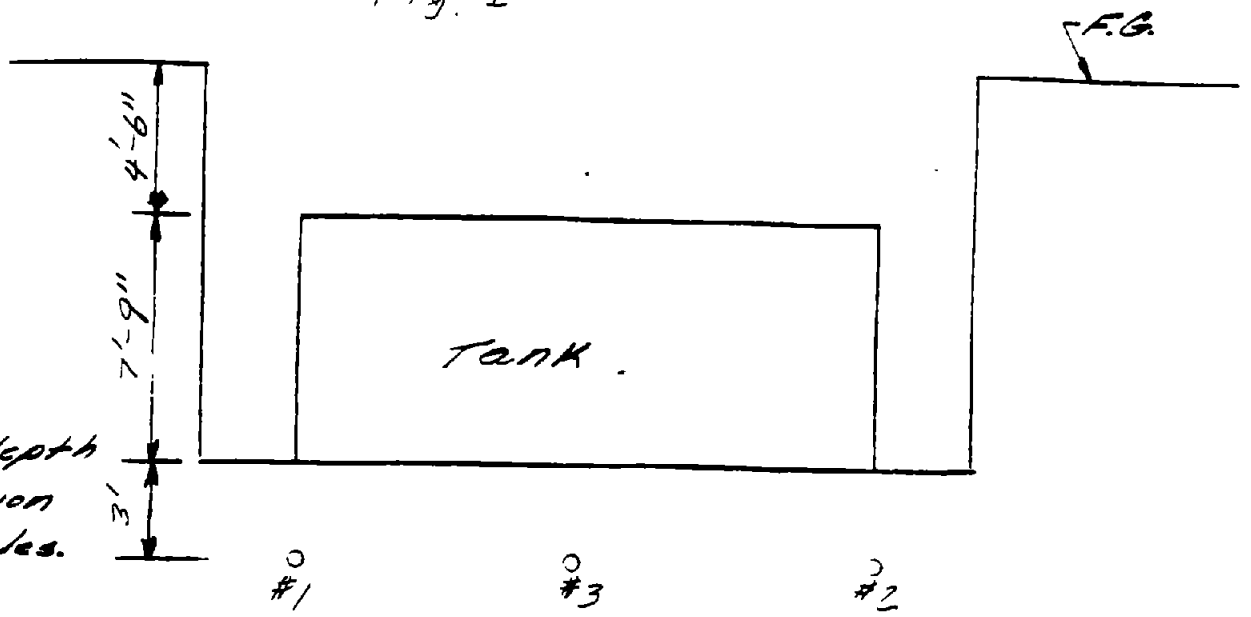
PLOT PLAN

POOR QUALITY ORIGINAL

TANK REMOVAL DATA
Facility: WLA DISTRIBUTION HQ
Tank: GASOLINE TANK

Sheet No.	1 of 1	
Prepared	EIK	2/20/
Checked		
Approved		

Fig. 1



Note:
Show depth & location of samples.

Tank Size: Diameter: 7'-9" Length: 20'-1"
Gallons (Calculated) 7,087 APPROX

Tank Container:
Single or Double Walled: SINGLE
Composition (Steel, Fiberglass, etc) STEEL
Coating (Fiberglass, Asphalt, etc) ASPHALT

Tank Condition: GOOD NO OBVIOUS HOLES OR LEAKS

Date Removed: 2-2-91

Soil Type: CLAY

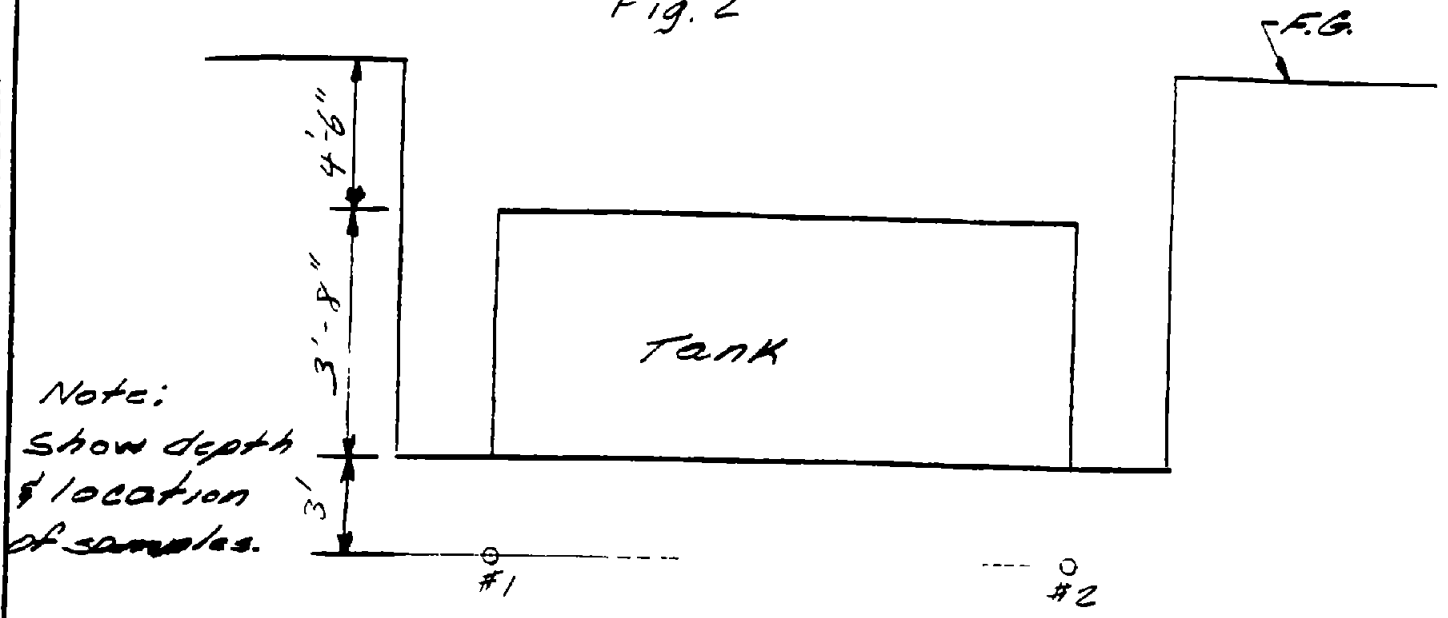
Comments: DID NOT ENCOUNTER GROUND WATER

CITY OF LOS ANGELES
DEPARTMENT OF WATER AND POWER

TANK REMOVAL DATA
Facility: WLA DISTRIBUTION HQ
Tank: WHITE GAS TANK

Prepared	EIK	2/201
Checked		
Approved		

Fig. 2



Note: Show depth & location of samples.

Tank Size: Diameter: 3'-8" Length: 12'
Gallons (Calculated) 948 APPROX

Tank Container:
Single or Double Walled: SINGLE
Composition (Steel, Fiberglass, etc) STEEL
Coating (Fiberglass, Asphalt, etc) ASPHALT

Tank Condition: GOOD, NO HOLES OR LEAKS

Date Removed: 2-20-91

Soil Type: CLAY

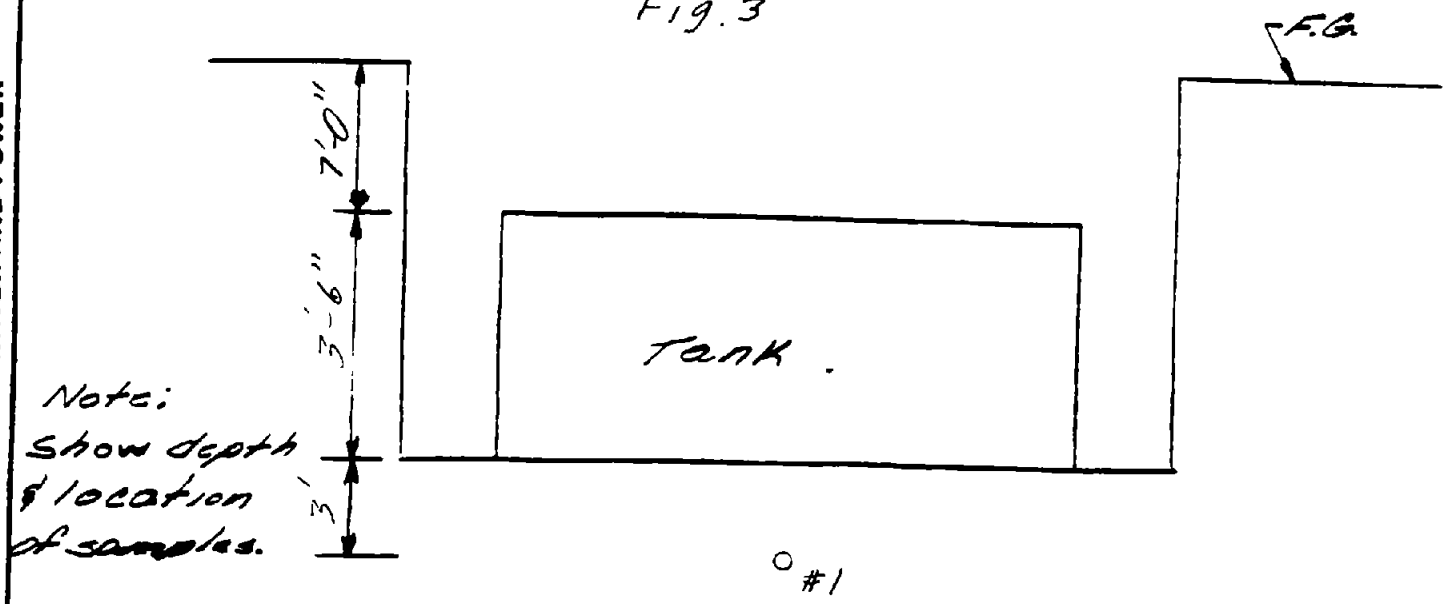
Comments: DID NOT ENCOUNTER GROUND WATER

CITY OF LOS ANGELES
DEPARTMENT OF WATER AND POWER

TANK REMOVAL DATA
Facility: WLA DISTRIBUTION HQ
Tank: WASTE OIL TANK

Prepared	EIK	2/20/9
Checked		
Approved		

Fig. 3



Note:
Show depth & location of samples.

Tank Size: Diameter: 3'-6" Length: 7'-3"
Gallons (Calculated) 516 APPROX

Tank Container:
Single or Double Walled: SINGLE
Composition (Steel, Fiberglass, etc) STEEL
Coating (Fiberglass, Asphalt, etc) ASPHALT

Tank Condition: GOOD, NO HOLES OR LEAK

Date Removed: 2-20-91

Soil Type: CLAY

Comments: DID NOT ENCOUNTER GROUND WATER

CITY OF LOS ANGELES
DEPARTMENT OF WATER AND POWER

DIV. 5 - 714 5 # 553028 LAFD # [illegible] Fire Station District # 59 Field Office [illegible]

F-280

FIRE DEPARTMENT—CITY OF LOS ANGELES

Reg. No. 01326

Date 12/4/90

APPLICATION FOR PERMIT—ATMOSPHERIC UNDERGROUND TANK(S)

PLEASE TYPE OR PRINT:

Name of Owner: Los Angeles Dept Water & Power	Doing Business As: Los Angeles Dept Water & Power
Address of Owner: 111 N. Hope St.	Owner's Phone: 481-5516 (213) ~~481-5496~~
Address of Site: 12300 Nebraska Ave LA Ca 90025	Phone at Installation: E. SAENZ (213) 820-1014
Contractor's Name: Address: Los Angeles Dept. Water & Power State: Zip:	Contact: WAYNE BAMOSSY 481-5516 ~~Robert Whittouck~~
Signature of Applicant: ~~Robert A. Whittouck~~ Wayne A. Bamossy	Title: Civil Engineer Assoc.
Contractor's Phone: DAVE PETERSON (818) 503-1719	

QTY.	ITEM	I.D. NO(S)	FEE
☒ 3	UGT/S ABANDONMENT BY REMOVAL	EPA # [illegible] State Contractor Type / # SEE ATTACHED City Business # SEE ATTACHED	Exempt—Div. 4 - 714 / 715
☐	UGT/S ABANDONMENT IN PLACE		
☐	UGT/S INSTALLATION		
☐	UGT/S ADD TO / ALTER: MONITORING		
☐	UGT/S ADD TO / ALTER: PIPING		

Total Fee	Approved	Disapproved	Date	Inspector
EXEMPT	☑	☐	2/4/90	[illegible]

Certified Industrial Hygienist Certificate

Survey Requested by: A&M Pumping

Last known Contents: Gasoline

Owner of UST: D. W. P.

Location of Tank: 12300 NEBRASKA AVE., L.A.

Date of survey: 2-20-'91

Test Method: direct instrument reading

Tank Description: 10 years old

Time Survey Completed: 12:39

Capacity: 7,500 Gallon (one only)

Special Instructions: Maintain the CO_2 level in the tank, transport with all openings at the top to prevent CO_2 loss. Remove tank and immediately place on the transport vehicle. Immediately transport to site of demolition. Due to the CO_2 Levels the tank is not SAFE for Entry because the oxygen levels are to be maintained below 10%.

In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Certified Industrial Hygienist.

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subjects to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS(partial list, paraphrased from NFPA 306-1980, Subsection 1-6.1 through 1-6.4, and Subsection 5-3.2)

SAFE FOR WORKERS: Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Certified Industrial Hygienist's Certificate.

NOT SAFE FOR WORKERS: Means that in the compartment or space so designated, the requirements for Safe for Workers has not been met.

SAFE FOR HOT WORK: Means that in the compartment so designated; (a)oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b)the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b)above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Certified Industrial Hygienist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks or lube oil tanks or engine room or fire room bilges, have been treated in accordance with the Certified Industrial Hygienist's requirements.

NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Safe for Hot Works have not been met.

CERTIFIED INDUSTRIAL HYGIENIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306-1980 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

"The undersigned acknowledges receipt of this Certificate under Section 2-3 of NFPA 306-1980 and understands conditions and limitations under which it was issued."

Signed Mark Tempel 2-20-91

Name Company Date

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualification and instructions.

Signed LA.F.D. #1336

CIH Cert. Number

Certified Industrial Hygienist Certificate

Survey Requested by: A&M Pumping

Last known Contents: White Gas

Owner of UST: D.W.P.

Location of Tank: 12300 Nebraska Ave, L.A.

Date of survey: 2-20-91

Test Method: direct instrument reading

Tank Description: about 30 years old

Time Survey Completed: 12:39

Capacity: 2,000 Gallon (one only)

Special Instructions: Maintain the CO_2 level in the tank, transport with all openings at the top to prevent CO_2 loss. Remove tank and immediately place on the transport vehicle. Immediately transport to site of demolition. Due to the CO_2 Levels the tank is not SAFE for Entry because the oxygen levels are to be maintained below 10%.

In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Certified Industrial Hygienist.

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subjects to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS(partial list, paraphrased from NFPA 306-1980, Subsection 1-6.1 through 1-6.4, and Subsection 5-3.2)

SAFE FOR WORKERS: Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Certified Industrial Hygienist's Certificate.

NOT SAFE FOR WORKERS: Means that in the compartment or space so designated, the requirements for Safe for Workers has not been met.

SAFE FOR HOT WORK: Means that in the compartment so designated; (a)oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b)the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b)above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Certified Industrial Hygienist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks or lube oil tanks or engine room or fire room bilges, have been treated in accordance with the Certified Industrial Hygienist's requirements.

NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Safe for Hot Works have not been met.

CERTIFIED INDUSTRIAL HYGIENIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306-1980 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

"The undersigned acknowledges receipt of this Certificate under Section 2-3 of NFPA 306-1980 and understands conditions and limitations under which it was issued."

Signed [signature] 2-20-91

Name Company Date

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualification and instructions.

L.A.F.D.

Signed [signature] # 1336

IH Cert. Number

CERTIFICATE

Certified Services Company
13738 Stover Avenue
Fontana, California 92335

Day or Night
Telephone
(714) 355-5601

No. LA- 840 31233

Western Environmental

For: Erickson, Inc. Tank No.(s.) 840 Location: Fontana, CA Date: 2/26/91 Time: 9:54AM

Test Method: Visual/Gastech 1314 [illegible] Last Product Waste Oil

This is to certify that I have personally determined that the tank(s) in the following list are in accordance with the American Petroleum Institute and have found the condition of each to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Tank(s)	Condition	
One (1) 500 gallon steel tank	Safe for Fire:	< 1% LEL
	Safe for Men:	20.9% Oxygen
	Hydrocarbon:	< 10 PPM

Remarks:

In the event of any physical or atmospheric changes affecting the gas-free condition of the above tanks, or if in any doubt immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

Standard Safety Designation:

Safe for Men: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

Safe for Fire: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 per cent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

Brian Alexander SUPERVISOR
Representative Title

[signature]
Inspector

West Los Angeles Distribution Headquarters
7,500-Gallon Gasoline, 2,500-Gallon White Gasoline
and 500-Gallon Waste-Oil Tanks
REMOVAL REPORT

I. Introduction:

On February 20, 1991, the 7,500-gallon gasoline tank, 2,500-gallon white gas tank, and 500-gallon waste-oil tank, located at the Los Angeles Department of Water and Power's (DWP) West Los Angeles Distribution Headquarters were removed from the ground of Los Angeles. The contractor doing the work was Hydro-Fluent, Inc. The subcontractor that triple rinsed the gasoline and white gas tank, then hauled them off was A. M. Pumping, Inc., (213) 522-1800. The waste-oil tank was inerted with dry ice, tested and hauled off by DWP's General Construction Subsection, Power Design and Construction Division. This work was done under the Los Angeles City Fire Department (LACFD) Permit No. 01326 (attached). Chemical results of the soil samples obtained from beneath the three tanks, from the gasoline island and pipe trench, as well as visual inspections, indicate that none of the tanks have leaked.

II. Tank No. 1 - Gasoline Tank:

The 7,500-gallon gasoline tank was a single wall, asphalt-coated, steel tank (see attached "Tank Removal Data Sheet"). Condition of the tank was excellent and showed no signs of leakage. Prior to removal, the top of the tank was cut, and the tank was triple-rinsed and certified as clean by an industrial hygienist. The rinsate from the triple-rinsing operation was pumped into a tanker truck operated by A. M. Pumping Inc., (213) 522-1800, and hauled off to Gibson Oil and Refining, (805) 327-0413, in Bakersfield, California (see attached Uniform Hazardous Waste Manifest No. 91072588). The tank was then lifted out of the excavation and placed on a flatbed truck for transportation to Erickson Company, (714) 255-5601, in Fontana, California for disposal.

After the tank was removed, the excavation was examined and soil samples for chemical analysis were obtained by DWP's engineer, Mr. Edward I. King, from the Power Design and Construction Division. Examination of the excavation indicated that the soil appeared to be free of gasoline contamination. The soil was dark yellow, clay loam. No select fill material was apparent around the

tank; the tank had been set upon and backfilled with native soil. Three soil samples were obtained from beneath the tank (see attached Figure 1) at the request of the Los Angeles City Fire Inspector, Mr. H. D. Golden. Inspector Golden indicated that he would like the United States Environmental Protection Agency (EPA) 8020 and Modified EPA 8015 chemical tests run on the soil samples. The soil samples were obtained by using a backhoe to remove the samples from the tank excavation. In addition, three samples were also obtained from beneath the gasoline island and pipe trench at the request of Inspector Golden. The soil samples were then placed in 9-ounce glass containers, sealed with teflon-lined caps, labeled, and placed in an ice chest for transport to DWP's Chemical Laboratory for analysis. The Chain-of-Custody documents and the Chemical Laboratory test results are attached. Maximum depth of the excavation for the gasoline tank was approximately 15 feet below ground level.

III. Tank No. 2 - 2,000-Gallon White Gas Tank:

The 2,000-gallon white gas tank was a single wall, asphalt-coated, steel tank (see attached "Tank Removal Data Sheet"). Condition of the tank was excellent and showed no signs of leakage. Prior to removal, the top of the tank was cut, and the tank was triple-rinsed and certified as clean by an industrial hygienist. The rinsate from the triple-rinsing operation was pumped into a tanker truck operated by A. M. Pumping Inc., and hauled off to Gibson Oil and Refining, (805) 327-0413, in Bakersfield, California.

After the tank was removed, the excavation was examined and soil samples for chemical analysis were obtained by Mr. Edward I. King. Examination of the excavation indicated that the soil appeared to be free of white gas contamination. The soil was dark yellow, clay loam. No select fill material was apparent around the tank; the tank had been set upon and backfilled with native soil. Two soil samples were obtained from beneath the tank (see attached Figure 2.) at the request of Inspector Golden who indicated that he would like the EPA 8020 and Modified EPA 8015 chemical tests run on the soil samples. The soil samples were obtained by using a backhoe to remove the sample from the tank excavation. The soil samples were then placed in 9-ounce glass containers, sealed with a teflon-line cap, labeled and then placed in an ice chest for transport to DWP's Chemical Laboratory for analysis. The Chain-of-custody documents and the Chemical Laboratory test results are attached.

IV. Tank No. 3 - 500-Gallon Waste-Oil Tank:

The 500-gallon waste-oil tank was a single wall, asphalt-coated, steel tank (see attached "Tank Removal Data Sheet"). Condition of the tank was excellent; there were no visible holes or leaks observed in the tank. Prior to removal, the tank was inerted with dry ice and tested with a Gastechtor until the atmosphere of the tank interior measured less than 10 percent oxygen and 20 percent of the lower explosive limit (LEL), then lifted out of the excavation and placed on a flatbed truck for transportation to Fontana for disposal.

After the tank was removed, the excavation was examined and a soil sample for chemical analysis was obtained by Mr. Edward I. King. Only one soil sample was obtained from beneath the center of the tank (see attached Figure 3) at the request of Inspector Golden, who indicated that he would like the EPA 418.1 chemical test run on the sample. The soil sample was obtained using a backhoe to remove the sample from the tank excavation. The soil sample was then placed in a 9-ounce glass container, sealed with a teflon-lined cap, labeled and then placed in an ice chest for transport to the DWP's Chemical Laboratory for analysis. The Chain-of-custody documents and the Chemical Laboratory test results are attached.

V. Conclusions:

Visual evidence from the gasoline tank, white gas tank, and waste-oil tank, surrounding soil, as well as the chemical test results, indicate that the said three tanks have not leaked. However, the xylene (XYL) constituent from the soil samples under the waste oil tank, the gasoline island, and the pipe trench (see attached Plot Plan) are slightly above the regulatory level. It appears that the waste oil tank may have contained some gasoline, and that there were some small leaks in the piping to the waste-oil tank and in the gasoline island piping system. The amounts of this regulated constituent are minor, with no threat to groundwater or public health. Therefore, we recommend site closure.

ABANDON

ABANDONMENT INFORMATION SHEET
UNDERGROUND TANK ENFORCEMENT

EWM/UTE-Fmdlinm.12-12-90

STATUS OF TANKS ON SITE

A. Have all underground tanks been legally abandoned on this site? (circle) YES or NO
B. Are any underground tanks going to be installed on this site in the future? (circle) YES or NO

ROUTING/COPIES

INSPECTORS - Insert ONE copy in each of the following: 1. Div 5 package (original) 2. Inspection blue book
SECRETARIES - Distribute ONE copy to each of the following: 1. Captain 2. Data entry 3. Haz Mat Section
4. Complete and forward a City Clerk AUTHORIZATION form, only if, the answer to A above is "YES", and the answer to B is "NO".

GENERAL INFORMATION

Site address 12300 NEBRASKA AVE — Inspection District No. 381 — Division 5 permit no. 01326

Inspector name GOLDEN — Inspector No. 381 — Date of abandonmt 2/20/91

Contractor L.A. Dept. W/ Rick — Resp Person WAYNE Ramosey — Phone no.

TANK INFORMATION

Facility/Tank I.D. no.	Tank size Metal or FRP(circle)	Product	Soils test	No. of samples	Soil color of tank bed, pile, trench, or pit	Tank condition: Holes	Final LEL
1	500 M/F	W/O					
2	2000 M/F	White Gas					
3	7,500 M/F	GAS					
4	M/F						
5	M/F						
6	M/F						
Soils pile						Destination of tanks:	
Piping trench							
Dispenser pit							

Describe excavation: Odor — Liquid in hole — Other

DOCUMENTS: NECESSARY FOR A COMPLETE PACKAGE

ABANDONMENT METHOD (CHECK)	☑ WASH	☐ HAZARD WASTE	☐ FILL IN PLACE	Documents 30 days / Due date
Abandonment info sheet	✓			
Time log - Site specific sheet	✓			
Division 5 permit application, and plot plans	✓			
Cleaning certificates	✓			Collect on-site
Uniform manifest: rinse liquid or tank	rinse ✓	tank	rinse	Collect on-site
Uniform manifest - Piping that is not flushed	✓			Collect on-site
Certificate of disposal - Tank	✓			
Certificate of disposal - Piping	✓			
Soil Analysis Report	✓			
Chain of custody	✓			
Plot plan - showing locations of samples	✓			
Division 4 fire permit registration - for tanks discovered on site, that have not been previously paid for				

SOILS REPORT INFORMATION *mg/kg* - per million *ug/kg* - per billion

	Action level	Enter highest reading in mg/kg	Exceeds Action level
TPH	100 PPM (mg/kg)	PPM	YES NO
Benzene	1 PPM (mg/kg)	PPM	YES NO
Toluene	50 PPM (mg/kg)	PPM	YES NO
Xylene	50 PPM (mg/kg)	PPM	YES NO
Ethyuene	50 PPM (mg/kg)	PPM	YES NO
Total lead	0-200 PPM above bkgrd	PPM	YES NO
Water samples, anything detected		mg/kg ug/kg	YES NO

○ Check here for comments on back

CHECK LIST - Contractors and equipment

Washers	✓	High psi washer	✓
Geologist	✓	Backhoe/Handauger	✓
Chemist	✓	Comb. gas indicator	✓
Degasser	✓	O2 meter	✓
Flatbed	✓	Crane	✓
		Vaccum truck	✓

Package completion & forwarding date: 9/13/91

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM
- [ ] 1 NEW PERMIT
- [ ] 2 INTERIM PERMIT
- [ ] 3 RENEWAL PERMIT
- [ ] 4 AMENDED PERMIT
- [ ] 5 CHANGE OF INFORMATION
- [ ] 6 TEMPORARY TANK CLOSURE
- [ ] 7 PERMANENTLY CLOSED ON SITE
- [ ] 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: Los Angeles D.W.P

I. TANK DESCRIPTION
COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. #	B. MANUFACTURED BY:
C. DATE INSTALLED (MO/DAY/YEAR)	D. TANK CAPACITY IN GALLONS. 500

II. TANK CONTENTS
IF A-1 IS MARKED, COMPLETE ITEM C.

A
- [ ] 1 MOTOR VEHICLE FUEL
- [ ] 2 PETROLEUM
- [ ] 3 CHEMICAL PRODUCT
- [X] 4 OIL
- [ ] 80 EMPTY
- [ ] 95 UNKNOWN

B.
- [ ] 1 PRODUCT
- [X] 2 WASTE

C.
- [ ] 1a REGULAR UNLEADED
- [ ] 1b PREMIUM UNLEADED
- [ ] 2 LEADED
- [ ] 3 DIESEL
- [ ] 4 GASAHOL
- [ ] 5 JET FUEL
- [ ] 6 AVIATION GAS
- [ ] 7 METHANOL
- [ ] 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED WASTE OIL C.A.S.#:

III. TANK CONSTRUCTION
MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM
- [ ] 1 DOUBLE WALL
- [X] 2 SINGLE WALL
- [ ] 3 SINGLE WALL WITH EXTERIOR LINER
- [ ] 4 SECONDARY CONTAINMENT (VAULTED TANK)
- [ ] 95 UNKNOWN
- [ ] 99 OTHER

B. TANK MATERIAL (Primary Tank)
- [X] 1 BARE STEEL
- [ ] 2 STAINLESS STEEL
- [ ] 3 FIBERGLASS
- [ ] 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
- [ ] 5 CONCRETE
- [ ] 6 POLYVINYL CHLORIDE
- [ ] 7 ALUMINUM
- [ ] 8 100% METHANOL COMPATIBLE W/FRP
- [ ] 9 BRONZE
- [ ] 10 GALVANIZED STEEL
- [ ] 95 UNKNOWN
- [ ] 99 OTHER

C. INTERIOR LINING
- [ ] 1 RUBBER LINED
- [ ] 2 ALKYD LINING
- [ ] 3 EPOXY LINING
- [ ] 4 PHENOLIC LINING
- [ ] 5 GLASS LINING
- [X] 6 UNLINED
- [ ] 95 UNKNOWN
- [ ] 99 OTHER

IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION
- [ ] 1 POLYETHYLENE WRAP
- [ ] 2 COATING
- [ ] 3 VINYL WRAP
- [ ] 4 FIBERGLASS REINFORCED PLASTIC
- [ ] 5 CATHODIC PROTECTION
- [X] 91 NONE
- [ ] 95 UNKNOWN
- [ ] 99 OTHER

E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION
CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER	
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN	A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE	
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP	
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER	
D. LEAK DETECTION	[ ] 1 AUTOMATIC LINE LEAK DETECTOR	[ ] 2 LINE TIGHTNESS TESTING	[ ] 3 INTERSTITIAL MONITORING	[X] 99 OTHER	

V. TANK LEAK DETECTION
- [ ] 1 VISUAL CHECK
- [ ] 2 INVENTORY RECONCILIATION
- [ ] 3 VADOZE MONITORING
- [ ] 4 AUTOMATIC TANK GAUGING
- [ ] 5 GROUND WATER MONITORING
- [ ] 6 TANK TESTING
- [ ] 7 INTERSTITIAL MONITORING
- [X] 91 NONE
- [ ] 95 UNKNOWN
- [ ] 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING	3. WAS TANK FILLED WITH INERT MATERIAL ?
2/20/91	0 GALLONS	YES [ ] NO [X]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE

LOCAL AGENCY USE ONLY
THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R5

INSTRUCTIONS FOR COMPLETING FORM "B"

GENERAL INSTRUCTIONS:

1. One FORM "B" shall be completed for each tank for all **NEW PERMITS, PERMIT CHANGES, REMOVALS** and/or any other **TANK INFORMATION CHANGE.**
2. This form should be completed by either the **PERMIT APPLICANT** or the **LOCAL AGENCY UNDERGROUND TANK INSPECTOR.**
3. Please type or print clearly all requested information.
4. Use a hard point writing instrument, you are making 3 copies.

TOP OF FORM: "MARK ONLY ONE ITEM"

1. Mark an (X) in the box next to the item that best describes the reason the form is being completed.
2. Indicate the DBA or Facility name where the tank is installed.

I. TANK DESCRIPTION - COMPLETE ALL ITEMS - IF UNKNOWN - SO SPECIFY

A. Indicate owners tank ID # - If there is a tank number that is used by the owner to identify the tank (ex AB70789).
B. Indicate the name of the company that manufactured the tank (ex. ACME TANK MFG.).
C. Indicate the year the tank was installed (ex. 1987).
D. Indicate the tank capacity in gallons (ex. 25,000 or 10,000 etc.).

II. TANK CONTENTS

A. 1. If MOTOR VEHICLE FUEL, check box 1 and complete items B & C.
   2. If not MOTOR VEHICLE FUEL, check the appropriate box in section A and complete items B & D
B. Check the appropriate box.
C. Check the type of MOTOR VEHICLE FUEL (if box 1 is checked in A).
D. Print the chemical name of the hazardous substance stored in the tank and the C.A.S.#. (Chemical Abstract Service number), if box 1 is NOT checked in A.

III. TANK CONSTRUCTION - MARK ONE ITEM ONLY IN BOX A, B, C & D

1. Check only one item in TYPE OF SYSTEM, TANK MATERIAL, INTERIOR LINING and CORROSION PROTECTION.
2. If OTHER, print in the space provided.

IV. PIPING INFORMATION

1. Circle A if above ground; circle U if underground; and circle both if applicable.
2. If UNKNOWN, circle; or if OTHER, print in space provided
3. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirement for the piping.

V. TANK LEAK DETECTION

1. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirements for the tank.

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED - MONTH/YEAR (January, 1988 or 01/88).
2. ESTIMATED QUANTITY of HAZARDOUS SUBSTANCE remaining in the tank (in Gallons).
3. WAS TANK FILLED WITH INERT MATERIAL? Check 'Yes' or 'NO'.

APPLICANT MUST SIGN AND DATE THE FORM AS INDICATED.

INSTRUCTION FOR THE LOCAL AGENCIES

The state underground storage tank identification number is composed of the two digit county number, the three digit jurisdiction number, the six digit facility number and the six digit tank number. The county and jurisdiction numbers are predetermined and can be obtained by calling the State Board (916)739-2421. The facility number must be the same as shown in form "A". The tank number may be assigned by the local agency; however, this number must be numerical and cannot contain an alphabet. If the local agency prefers the State Board to assign the tank number, please leave it blank.

IT IS THE RESPONSIBILITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY TO VERIFY THE ACCURACY OF THE INFORMATION. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
C/O S.W.E.E.P.S.
DATA PROCESSING CENTER
P.O. BOX 527
PARAMOUNT, CA 90723

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM				
	[ ] 1 NEW PERMIT	[ ] 3 RENEWAL PERMIT	[ ] 5 CHANGE OF INFORMATION	[ ] 7 PERMANENTLY CLOSED ON SITE
	[ ] 2 INTERIM PERMIT	[ ] 4 AMENDED PERMIT	[ ] 6 TEMPORARY TANK CLOSURE	[ ] 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: Los Angeles DWP

I. TANK DESCRIPTION

COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. #	B. MANUFACTURED BY:
C. DATE INSTALLED (MO/DAY/YEAR)	D. TANK CAPACITY IN GALLONS 2000

II. TANK CONTENTS

IF A.1 IS MARKED, COMPLETE ITEM C

A	[X] 1 MOTOR VEHICLE FUEL; [ ] 2 PETROLEUM [ ] 3 CHEMICAL PRODUCT [ ] 4 OIL [ ] 80 EMPTY [ ] 95 UNKNOWN	B. [X] 1 PRODUCT [ ] 2 WASTE	C. [X] 1a REGULAR UNLEADED [ ] 1b PREMIUM UNLEADED [ ] 2 LEADED [ ] 3 DIESEL [ ] 4 GASAHOL [ ] 5 JET FUEL [ ] 6 AVIATION GAS [ ] 7 METHANOL [ ] 99 OTHER (DESCRIBE IN ITEM D BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED — C.A.S.#

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	[ ] 1 DOUBLE WALL	[ ] 3 SINGLE WALL WITH EXTERIOR LINER		[ ] 95 UNKNOWN
	[X] 2 SINGLE WALL	[ ] 4 SECONDARY CONTAINMENT (VAULTED TANK)		[ ] 99 OTHER
B. TANK MATERIAL (Primary Tank)	[X] 1 BARE STEEL	[ ] 2 STAINLESS STEEL	[ ] 3 FIBERGLASS	[ ] 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
	[ ] 5 CONCRETE	[ ] 6 POLYVINYL CHLORIDE	[ ] 7 ALUMINUM	[ ] 8 100% METHANOL COMPATIBLE W/FRP
	[ ] 9 BRONZE	[ ] 10 GALVANIZED STEEL	[ ] 95 UNKNOWN	[ ] 99 OTHER
C. INTERIOR LINING	[ ] 1 RUBBER LINED	[ ] 2 ALKYD LINING	[ ] 3 EPOXY LINING	[ ] 4 PHENOLIC LINING
	[ ] 5 GLASS LINING	[X] 6 UNLINED	[ ] 95 UNKNOWN	[ ] 99 OTHER
	IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___			
D. CORROSION PROTECTION	[ ] 1 POLYETHYLENE WRAP	[ ] 2 COATING	[ ] 3 VINYL WRAP	[ ] 4 FIBERGLASS REINFORCED PLASTIC
	[ ] 5 CATHODIC PROTECTION	[X] 91 NONE	[ ] 95 UNKNOWN	[ ] 99 OTHER
E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR) ___		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) ___	

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A (U) 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER
B. CONSTRUCTION	A (U) 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A (U) 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER
D. LEAK DETECTION	[ ] 1 AUTOMATIC LINE LEAK DETECTOR	[ ] 2 LINE TIGHTNESS TESTING	[ ] 3 INTERSTITIAL MONITORING	[X] 99 OTHER

V. TANK LEAK DETECTION

[ ] 1 VISUAL CHECK	[ ] 2 INVENTORY RECONCILIATION	[ ] 3 VADOZE MONITORING	[ ] 4 AUTOMATIC TANK GAUGING	[ ] 5 GROUND WATER MONITORING
[ ] 6 TANK TESTING	[ ] 7 INTERSTITIAL MONITORING	[X] 91 NONE	[ ] 95 UNKNOWN	[ ] 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) 2/20/91	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING 0 GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL ? YES [ ] NO [X]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R5

INSTRUCTIONS FOR COMPLETING FORM "B"

GENERAL INSTRUCTIONS:

1. One FORM "B" shall be completed for each tank for all **NEW PERMITS, PERMIT CHANGES, REMOVALS** and/or any other **TANK INFORMATION CHANGE.**
2. This form should be completed by either the **PERMIT APPLICANT** or the **LOCAL AGENCY UNDERGROUND TANK INSPECTOR.**
3. Please type or print clearly all requested information.
4. Use a hard point writing instrument, you are making 3 copies.

TOP OF FORM: "MARK ONLY ONE ITEM"

1. Mark an (X) in the box next to the item that best describes the reason the form is being completed.
2. Indicate the DBA or Facility name where the tank is installed.

I. TANK DESCRIPTION - COMPLETE ALL ITEMS - IF UNKNOWN - SO SPECIFY

A. Indicate owners tank ID # - If there is a tank number that is used by the owner to identify the tank (ex. AB70789).
B. Indicate the name of the company that manufactured the tank (ex. ACME TANK MFG.).
C. Indicate the year the tank was installed (ex. 1987).
D. Indicate the tank capacity in gallons (ex. 25,000 or 10,000 etc.)

II. TANK CONTENTS

A. 1. If MOTOR VEHICLE FUEL, check box 1 and complete items B & C.
   2. If not MOTOR VEHICLE FUEL, check the appropriate box in section A and complete items B & D.
B. Check the appropriate box.
C. Check the type of MOTOR VEHICLE FUEL (if box 1 is checked in A).
D. Print the chemical name of the hazardous substance stored in the tank and the C.A S.# (Chemical Abstract Service number), if box 1 is NOT checked in A.

III. TANK CONSTRUCTION - MARK ONE ITEM ONLY IN BOX A, B, C & D

1. Check only one item in TYPE OF SYSTEM, TANK MATERIAL, INTERIOR LINING and CORROSION PROTECTION.
2. If OTHER, print in the space provided.

IV. PIPING INFORMATION

1. Circle A if above ground; circle U if underground; and circle both if applicable.
2. If UNKNOWN, circle; or if OTHER, print in space provided.
3. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirement for the piping.

V. TANK LEAK DETECTION

1. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirements for the tank.

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED - MONTH/YEAR (January, 1988 or 01/88).
2. ESTIMATED QUANTITY of HAZARDOUS SUBSTANCE remaining in the tank (in Gallons).
3. WAS TANK FILLED WITH INERT MATERIAL? Check 'Yes' or 'NO'.

APPLICANT MUST SIGN AND DATE THE FORM AS INDICATED.

INSTRUCTION FOR THE LOCAL AGENCIES

The state underground storage tank identification number is composed of the two digit county number, the three digit jurisdiction number, the six digit facility number and the six digit tank number. The county and jurisdiction numbers are predetermined and can be obtained by calling the State Board (916)739-2421. The facility number must be the same as shown in form "A". The tank number may be assigned by the local agency; however, this number must be numerical and cannot contain an alphabet. If the local agency prefers the State Board to assign the tank number, please leave it blank.

IT IS THE RESPONSIBILITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY TO VERIFY THE ACCURACY OF THE INFORMATION. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
C/O S.W.R.E.P.S.
DATA PROCESSING CENTER
P.O. BOX 527
PARAMOUNT, CA 90723

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM
- [ ] 1 NEW PERMIT
- [ ] 2 INTERIM PERMIT
- [ ] 3 RENEWAL PERMIT
- [ ] 4 AMENDED PERMIT
- [ ] 5 CHANGE OF INFORMATION
- [ ] 6 TEMPORARY TANK CLOSURE
- [ ] 7 PERMANENTLY CLOSED ON SITE
- [ ] 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: Los Angeles D.W.P

I. TANK DESCRIPTION

COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. #	B. MANUFACTURED BY:
C. DATE INSTALLED (MO/DAY/YEAR)	D. TANK CAPACITY IN GALLONS 7,500-

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A.
- [x] 1 MOTOR VEHICLE FUEL
- [ ] 2 PETROLEUM
- [ ] 3 CHEMICAL PRODUCT
- [ ] 4 OIL
- [ ] 80 EMPTY
- [ ] 95 UNKNOWN

B.
- [x] 1 PRODUCT
- [ ] 2 WASTE

C.
- [x] 1a REGULAR UNLEADED
- [ ] 1b PREMIUM UNLEADED
- [ ] 2 LEADED
- [ ] 3 DIESEL
- [ ] 4 GASAHOL
- [ ] 5 JET FUEL
- [ ] 6 AVIATION GAS
- [ ] 7 METHANOL
- [ ] 99 OTHER (DESCRIBE IN ITEM D BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED — C.A.S.#:

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM
- [ ] 1 DOUBLE WALL
- [x] 2 SINGLE WALL
- [ ] 3 SINGLE WALL WITH EXTERIOR LINER
- [ ] 4 SECONDARY CONTAINMENT (VAULTED TANK)
- [ ] 95 UNKNOWN
- [ ] 99 OTHER ____

B. TANK MATERIAL (Primary Tank)
- [x] 1 BARE STEEL
- [ ] 2 STAINLESS STEEL
- [ ] 3 FIBERGLASS
- [ ] 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
- [ ] 5 CONCRETE
- [ ] 6 POLYVINYL CHLORIDE
- [ ] 7 ALUMINUM
- [ ] 8 100% METHANOL COMPATIBLE W/FRP
- [ ] 9 BRONZE
- [ ] 10 GALVANIZED STEEL
- [ ] 95 UNKNOWN
- [ ] 99 OTHER ____

C. INTERIOR LINING
- [ ] 1 RUBBER LINED
- [ ] 2 ALKYD LINING
- [ ] 3 EPOXY LINING
- [ ] 4 PHENOLIC LINING
- [ ] 5 GLASS LINING
- [x] 6 UNLINED
- [ ] 95 UNKNOWN
- [ ] 99 OTHER ____

IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___

D. CORROSION PROTECTION
- [ ] 1 POLYETHYLENE WRAP
- [ ] 2 COATING
- [ ] 3 VINYL WRAP
- [ ] 4 FIBERGLASS REINFORCED PLASTIC
- [ ] 5 CATHODIC PROTECTION
- [x] 91 NONE
- [ ] 95 UNKNOWN
- [ ] 99 OTHER ____

E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) ____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) ____

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE A U 1 SUCTION; A U 2 PRESSURE; A (U) GRAVITY; A U 99 OTHER

B. CONSTRUCTION A (U) 1 SINGLE WALL; A U 2 DOUBLE WALL; A U 3 LINED TRENCH; A U 95 UNKNOWN; A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION
- A (U) 1 BARE STEEL
- A U 2 STAINLESS STEEL
- A U 3 POLYVINYL CHLORIDE (PVC)
- A U 4 FIBERGLASS PIPE
- A U 5 ALUMINUM
- A U 6 CONCRETE
- A U 7 STEEL W/ COATING
- A U 8 100% METHANOL COMPATIBLE W/FRP
- A U 9 GALVANIZED STEEL
- A U 10 CATHODIC PROTECTION
- A U 95 UNKNOWN
- A U 99 OTHER ____

D. LEAK DETECTION
- [ ] 1 AUTOMATIC LINE LEAK DETECTOR
- [ ] 2 LINE TIGHTNESS TESTING
- [ ] 3 INTERSTITIAL MONITORING
- [x] 99 OTHER ____

V. TANK LEAK DETECTION

- [x] 1 VISUAL CHECK
- [ ] 2 INVENTORY RECONCILIATION
- [ ] 3 VADOZE MONITORING
- [ ] 4 AUTOMATIC TANK GAUGING
- [ ] 5 GROUND WATER MONITORING
- [ ] 6 TANK TESTING
- [ ] 7 INTERSTITIAL MONITORING
- [ ] 91 NONE
- [ ] 95 UNKNOWN
- [ ] 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING	3. WAS TANK FILLED WITH INERT MATERIAL?
2/20/91	0 GALLONS	YES [ ] NO [x]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R5

INSTRUCTIONS FOR COMPLETING FORM "B"

GENERAL INSTRUCTIONS:

1. One FORM "B" shall be completed for each tank for all **NEW PERMITS, PERMIT CHANGES, REMOVALS** and/or any other **TANK INFORMATION CHANGE.**
2. This form should be completed by either the **PERMIT APPLICANT** or the **LOCAL AGENCY UNDERGROUND TANK INSPECTOR.**
3. Please type or print clearly all requested information.
4. Use a hard point writing instrument, you are making 3 copies.

TOP OF FORM: "MARK ONLY ONE ITEM"

1. Mark an (X) in the box next to the item that best describes the reason the form is being completed.
2. Indicate the DBA or Facility name where the tank is installed.

I. TANK DESCRIPTION - COMPLETE ALL ITEMS - IF UNKNOWN - SO SPECIFY

A. Indicate owners tank ID # - If there is a tank number that is used by the owner to identify the tank (ex. AB70789).
B. Indicate the name of the company that manufactured the tank (ex. ACME TANK MFG.).
C. Indicate the year the tank was installed (ex. 1987).
D. Indicate the tank capacity in gallons (ex. 25,000 or 10,000 etc.).

II. TANK CONTENTS

A. 1. If MOTOR VEHICLE FUEL, check box 1 and complete items B & C.
2. If not MOTOR VEHICLE FUEL, check the appropriate box in section A and complete items B & D.
B. Check the appropriate box.
C. Check the type of MOTOR VEHICLE FUEL (if box 1 is checked in A).
D. Print the chemical name of the hazardous substance stored in the tank and the C.A.S.#. (Chemical Abstract Service number), if box 1 is NOT checked in A

III. TANK CONSTRUCTION - MARK ONE ITEM ONLY IN BOX A, B, C & D

1. Check only one item in TYPE OF SYSTEM, TANK MATERIAL, INTERIOR LINING and CORROSION PROTECTION.
2. If OTHER, print in the space provided.

IV. PIPING INFORMATION

1. Circle **A** if above ground; circle **U** if underground; and circle both if applicable.
2. If UNKNOWN, circle; or if OTHER, print in space provided.
3. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirement for the piping.

V. TANK LEAK DETECTION

1. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirements for the tank.

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED - MONTH/YEAR (January, 1988 or 01/88).
2. ESTIMATED QUANTITY of HAZARDOUS SUBSTANCE remaining in the tank (in Gallons).
3. WAS TANK FILLED WITH INERT MATERIAL? Check 'Yes' or 'NO'.

APPLICANT MUST SIGN AND DATE THE FORM AS INDICATED.

INSTRUCTION FOR THE LOCAL AGENCIES

The state underground storage tank identification number is composed of the two digit county number, the three digit jurisdiction number, the six digit facility number and the six digit tank number. The county and jurisdiction numbers are predetermined and can be obtained by calling the State Board (916)739-2421. The facility number must be the same as shown in form "A". The tank number may be assigned by the local agency; however, this number must be numerical and cannot contain an alphabet. If the local agency prefers the State Board to assign the tank number, please leave it blank.

IT IS THE RESPONSIBILITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY TO VERIFY THE ACCURACY OF THE INFORMATION. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
C/O S.W.E.E.P.S.
DATA PROCESSING CENTER
P.O. BOX 527
PARAMOUNT, CA 90723

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM
- [ ] 1 NEW PERMIT
- [ ] 2 INTERIM PERMIT
- [ ] 3 RENEWAL PERMIT
- [ ] 4 AMENDED PERMIT
- [ ] 5 CHANGE OF INFORMATION
- [ ] 6 TEMPORARY SITE CLOSURE
- [ ] 7 PERMANENTLY CLOSED SITE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME: Los Angeles Dept. Water & Power		NAME OF OPERATOR: L.A. DWP	
ADDRESS: 12300 Nebraska Ave		NEAREST CROSS STREET	PARCEL # (OPTIONAL)
CITY NAME: Los Angeles	STATE: CA	ZIP CODE: 90025	SITE PHONE # WITH AREA CODE
✓ BOX TO INDICATE: [ ] CORPORATION [ ] INDIVIDUAL [ ] PARTNERSHIP [✓] LOCAL-AGENCY DISTRICTS [ ] COUNTY-AGENCY [ ] STATE-AGENCY [ ] FEDERAL-AGENCY			
TYPE OF BUSINESS: [ ] 1 GAS STATION [ ] 2 DISTRIBUTOR [ ] 3 FARM [ ] 4 PROCESSOR [✓] 5 OTHER		[ ] ✓ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE: 0
E P A. I D # *(optional)*			

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS NAME (LAST, FIRST)	PHONE # WITH AREA CODE	DAYS NAME (LAST, FIRST)	PHONE # WITH AREA CODE
NIGHTS NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS. NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME: Los Angeles Dept. of Water & Power	CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS: 111 N. Hope St	✓ box to indicate: [ ] INDIVIDUAL [ ] LOCAL-AGENCY [ ] STATE-AGENCY [ ] CORPORATION [ ] PARTNERSHIP [ ] COUNTY-AGENCY [ ] FEDERAL-AGENCY		
CITY NAME: Los Angeles	STATE: Ca	ZIP CODE: 90025	PHONE # WITH AREA CODE

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER: SAME AS ABOVE	CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS	✓ box to indicate: [ ] INDIVIDUAL [ ] LOCAL-AGENCY [ ] STATE-AGENCY [ ] CORPORATION [ ] PARTNERSHIP [ ] COUNTY-AGENCY [ ] FEDERAL-AGENCY		
CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 323-9555 if questions arise.

TY (TK) HQ 4 4 - [ ][ ][ ][ ][ ][ ]

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) – IDENTIFY THE METHOD(S) USED

✓ box to indicate
- [ ] 1 SELF-INSURED
- [ ] 2 GUARANTEE
- [ ] 3 INSURANCE
- [ ] 4 SURETY BOND
- [ ] 5 LETTER OF CREDIT
- [ ] 6 EXEMPTION
- [ ] 99 OTHER

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I [ ] II. [X] III. [ ]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	APPLICANT'S TITLE	DATE MONTH/DAY/YEAR

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #
[ ][ ]	[ ][ ][ ]	[ ][ ][ ][ ][ ][ ]

LOCATION CODE - *OPTIONAL*	CENSUS TRACT # - *OPTIONAL*	SUPVISOR - DISTRICT CODE - *OPTIONAL*

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - **FORM B,** UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

INSTRUCTIONS FOR COMPLETING FORM "A"

GENERAL INSTRUCTIONS:

1. One FORM "A" shall be completed for all **NEW PERMITS, PERMIT CHANGES** or any **FACILITY/SITE INFORMATION CHANGES.**
2. **SUBMIT ONLY ONE (1) FORM "A"** for a Facility/Site, regardless of the number of tanks located at the site.
3. This form should be completed by either the **PERMIT APPLICANT** or the **LOCAL AGENCY UNDERGROUND TANK INSPECTOR.**
4. Please type or print clearly all requested information.
5. If a hard point writing instrument, you are making 3 copies.

TOP OF FORM: "MARK ONLY ONE ITEM"

Mark an (X) in the box next to the item that best describes the reason the form is being completed

I. FACILITY/SITE INFORMATION & ADDRESS (MUST BE COMPLETED)

1. Record name and address (physical location) of the underground tank(s).
   NOTE: Address MUST have a valid physical location including city, state, and zip code
   P.O. BOX NUMBERS ARE NOT ACCEPTABLE.
   Include nearest cross street and name of the operator
2. Phone number must have an area code. If the right number is the same, write "SAME" in proper location
3. Check the appropriate box for TYPE OF BUSINESS OWNERSHIP (ex. CORPORATION, INDIVIDUAL, etc.)
4. Check the appropriate box for TYPE OF BUSINESS.
5. If Facility/Site is located within an Indian reservation or other Indian trust lands, check the box marked "YES"
6. Indicate the NUMBER of TANKS at this SITE.
7. Record the E.P.A. ID # or write "NONE" in the space provided

II PROPERTY OWNER INFORMATION & ADDRESS (MUST BE COMPLETED)

Complete all items in this section, unless all items are the same as SECTION 1; if the same write **"SAME AS SITE"** for this section. Be sure to check PROPERTY OWNERSHIP TYPE box.

III. TANK OWNER INFORMATION & ADDRESS (MUST BE COMPLETED)

Complete all items in this section, unless all items are the same as SECTION 1; If the same, write **"SAME AS SITE"** across this section. Be sure to check **TANK OWNERSHIP TYPE** box.

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER (MUST BE COMPLETED)

Enter your Board of Equalization (BOE) UST storage fee account number which is required before your permit application can be processed. Registration with the BOE will ensure that you will receive a quarterly storage fee return in accounting of $0.006 (6 mills) per gallon fee due on the number of gallons placed in your USTs. The BOE will code persons exempt from paying the storage fee so returns will not be sent. If you do not have an account number with the BOE or if you have any questions regarding the fee or exemptions, please call the BOE at 916-323-9555 or write to the BOE at the following address: Board of Equalization, Environmental Fees Unit, P.O. Box 942879, Sacramento, CA 94279-0001.

V. PETROLEUM UST FINANCIAL RESPONSIBILITY (MUST BE COMPLETED)

Identify the method(s) used by the owner and/or operator in meeting the Federal and State financial responsibility requirements. USTs owned by any Federal or State agency are exempt from this requirement

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Check ONE BOX for the address that will be used for **BOTH LEGAL AND BILLING NOTIFICATIONS.**

APPLICANT MUST SIGN AND DATE THE FORM AS INDICATED.

INSTRUCTION FOR THE LOCAL AGENCIES

The county and jurisdiction numbers are predetermined and can be obtained by calling the State Board (916)739-2421. The facility number may be assigned by the local agency; however, this number must be numerical and cannot contain any alphabetical. If the local agency prefers the State Board to assign the facility number, please leave it blank.

IT IS THE RESPONSIBILITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY TO VERIFY THE ACCURACY OF THE INFORMATION. THIS APPLICATION CANNOT BE PROCESSED IF THE BOE ACCOUNT NUMBER IS NOT FILLED IN. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
C/O S.W.R.E.P.S.
DATA PROCESSING CENTER
P.O. BOX 527
PARAMOUNT, CA 90723

DIV. 5 - 714 / 715 # 553028 LAFD # 6108 Fire Station District # 59 Field Office Golden

F-280

FIRE DEPARTMENT—CITY OF LOS ANGELES

APPLICATION FOR PERMIT—ATMOSPHERIC UNDERGROUND TANK(S)

Reg No. 01326

Date 12/4/90

PLEASE TYPE OR PRINT:

Name of Owner: Los Angeles Dept Water & Power	Doing Business As: Los Angeles Dept Water & Power
Address of Owner: 111 N. Hope St.	Owner's Phone: 481-5516 (213) ~~481-5296~~
Address of Site: 12300 Nebraska Ave LA Ca 90025	Phone at Installation: E. SAENZ (213) 820-1014
Contractor's Name: Address: Los Angeles Dept. Water & Power State. Zip.	Contact: WAYNE BAMOSSY ~~Robert Whittouck~~
Signature of Applicant: Wayne A. Bamossy ~~Robert S. Whittouck~~ Title: Civil Engineer Assoc	Contractor's Phone: DAVE PETERSON (818) 503-1719

QTY.	ITEM	I.D. NO(S)	FEE
☒ 3	UGT/S ABANDONMENT BY REMOVAL	EPA # CA009945050 4 State Contractor Type / # SEE ATTACHED City Business # SEE ATTACHED	Exempt—Div. 4 - 714 / 715
☐	UGT/S ABANDONMENT IN PLACE		
☐	UGT/S INSTALLATION		
☐	UGT/S ADD TO / ALTER: MONITORING		
☐	UGT/S ADD TO / ALTER: PIPING		

Total Fee	Approved	Disapproved	Date	Inspector
EXEMPT	☑	☐	12/4/90	J Gould

Department of Water and Power the City of Los Angeles

TOM BRADLEY
Mayor

Commission
RICK J. CARUSO, *President*
JACK W. LEENEY, *Vice President*
ANGEL M. ECHEVARRIA
CAROL WHEELER
WALTER A. ZELMAN
JUDITH K. DAVISON, *Secretary*

NORMAN E. NICHOLS, *General Manager and Chief Engineer*
ELDON A. COTTON, *Assistant General Manager - Power*
DUANE L. GEORGESON, *Assistant General Manager - Water*
DANIEL W. WATERS, *Assistant General Manager - External Affairs*
NORMAN J. POWERS, *Chief Financial Officer*

September 7, 1989

Captain Roy Kozaki
Los Angeles Fire Department
Underground Tank Unit
200 North Main Street, City Hall East
Los Angeles, California 90012

Dear Captain Kozaki:

Department of Water and Power
Underground Storage Tanks
Power System Tank Removals/Installations
MEP: D4860; AFE: MFW67

This letter is to certify that the following personnel are qualified to perform all field work involved in removing and installing underground storage tanks on Los Angeles Department of Water and Power, Power System's property:

David E. Peterson (employee no. 697134); Construction and Maintenance Supervisor - Second Level.

William T. Booth (employee no. 088844); Construction and Maintenance Supervisor - First Level.

Gregory W. Wood (employee no. 980248); Construction and Maintenance Supervisor - First Level.

Arthur F. Nolan (employee no. 655020); Construction Labor Foreman.

If you have any questions or if further information is required, please have your staff contact Mr. W. H. Beckley of our Civil Engineering Subsection at (213) 481-5487.

Sincerely,

Luis E. Escalante

LUIS E. ESCALANTE
Manager
Civil, Structural Engineering
and Services

c: Mr. W. H. Beckley

111 North Hope Street, Los Angeles, California ☐ *Mailing address:* Box 111, Los Angeles 90051-0100
Telephone: (213) 481-4211 *Cable address:* DEWAPOLA *FAX:* (213) 481-8701

88430422

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

WASTE MANIFEST

AL000042121

1 of 1 is not required by Federal law

3. Generator's Name and Mailing Address: L.A. D.W.P WEST L.A. DISTRIBUTION HQ; 12300 NEBRASKA AVE L.A., CA

4. Generator's Phone (213) 820-1014

A. State Manifest Document Number: 88430422

B. State Generator's ID: HYHQ3600 8146

5. Transporter 1 Company Name: L.A. DEPT. OF WATER & POWER

6. US EPA ID Number: CAD 000632992

C. State Transporter's ID: 110873

D. Transporter's Phone: (213) 481-6561

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: ERICKSON 13738 SLOVER AV FONTANA, CA. 92335

10. US EPA ID Number: CAD 982484933

G. State Facility's ID:

H. Facility's Phone:

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. NON RCRA HAZARDOUS SOLID EMPTY UNDERGROUND STORAGE TANK	1	TP		P	State 572 / EPA/Other NONE
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: 1 - EMPTY U/G STORAGE TANK - 500 GAL

K. Handling Codes for Wastes Listed Above: a. b. c. d.

15. Special Handling Instructions and Additional Information: EMERGENCY PHONE: ENERGY CONTROL CENTER (818) 352-7864

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment, OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: DAVID L WINSTON FOR RUSS WILSON

Signature: David L Winston FOR RUSS WILSON

Month Day Year: 02 20 91

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JAMES R. JOYCE

Signature: James R. Joyce

Month Day Year: 02 20 91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:

Signature:

Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name:

Signature:

Month Day Year:

GENERATOR

TRANSPORTER

FACILITY

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS

To: P.O. Box 3000, Sacramento, CA 95812

91072588

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

WASTE MANIFEST CAL000042127

3. Generator's Name and Mailing Address: West L.A. Distr. Ctr. L.A. Dept. of Water and Power 12300 Nebraska Ave, Los Angeles, CA

4. Generator's Phone (213) 820-1014

A. State Manifest Document Number: 91072588

B. State Generator's ID: CAL000042127

5. Transporter 1 Company Name: A.M. Pumping Inc.

6. US EPA ID Number: CAT080012776

C. State Transporter's ID: 104945

D. Transporter's Phone: 213-522-1800

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: Gibson Oil & Refining Ltd. END of Commercial Rd. Bakersfield Ca. 93308

10. US EPA ID Number: CAD980883177

G. State Facility's ID: CAD980883177

H. Facility's Phone: 805-327-0413

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12 Containers No.	Type	13. Total Quantity	14 Unit Wt/Vol	I. Waste No.
a. NON R.C.R.A. HAZARDOUS Waste Liquid.	001	TT		G	State 223 EPA/Other EXEMPT
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above: UNDERGROUND RINSATE TNK.

K. Handling Codes for Wastes Listed Above: a. b. c. d.

15. Special Handling Instructions and Additional Information: USE Gloves & Goggles when Handling. Acct. # 9236-3 IN CASE OF SPILL. 213 CONTACT: A-M- PUMPING. 522-180

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Russell D. Wilson | Signature: Russell D. Wilson | Month Day Year: 02 20 91

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: DANIEL ZUMAYA | Signature: Daniel Zumaya | Month Day Year: 02 20 91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: | Signature: | Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name: | Signature: | Month Day Year:

GENERATOR

TRANSPORTER

FACILITY

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

✓ File

Department of Water and Power the City of Los Angeles

TOM BRADLEY
Mayor

Commission
MICHAEL J. GAGE, *President*
RICK J CARUSO, *Vice President*
ANGEL M. ECHEVARRIA
DOROTHY GREEN
MARY D NICHOLS
JUDITH K. DAVISON, *Secretary*

DANIEL W. WATERS, *General Manager and Chief Engineer*
ELDON A. COTTON, *Assistant General Manager - Power*
JAMES F. WICKSER, *Assistant General Manager - Water*
NORMAN L. BUEHRING, *Assistant General Manager - External Affairs*
NORMAN J. POWERS, *Chief Financial Officer*

April 29, 1991

Inspector H. O. Golden
Los Angeles City Fire Department
Underground Storage Tank Unit
200 North Main Street, Room 920
Los Angeles, California 90012

RECEIVED
MAY 2 - 1991
UNDERGROUND TANK
ENFORCEMENT UNIT

Dear Inspector Golden:

Tank Closure Report and
Preliminary Site Assessment
7,500-Gallon Gasoline Tank, 2,500-Gallon White Gas Tank
and 500-Gallon Waste-Oil Tank
West Los Angeles Distribution Headquarters
12300 Nebraska Avenue

In accordance with the Los Angeles City Fire Department (LAFD) Requirement No. 41, Abandonment of Underground Tanks, the Los Angeles Department of Water and Power is submitting three copies each of the following underground storage tank closure information for its facility located at 12300 Nebraska Avenue in West Los Angeles:

1. Tank Removal Data Sheet
2. Field Observation Log
3. Uniform Hazardous Waste Manifests (to transport tank rinsate and soil)
4. Chain of Custody Record
5. Chemistry Laboratory Data Report
6. LAFD Division 4 Permit Application
7. Tank Removal Certificate
8. Soil Sample Location - Plot Plan

The field observations and laboratory results indicate that the three tanks were sound upon removal with no associated contamination. It appears that this site is basically clean and poses no threat to the groundwater, public health, or the environment. Due to the overall cleanliness of the site, we recommend site closure.

Water and Power Conservation . . . a way of life

111 North Hope Street, Los Angeles, California ☐ *Mailing address.* Box 111, Los Angeles 90051-0100
Telephone (213) 481-4211 *Cable address* DEWAPOLA *FAX* (213) 481-8701

Recyclable and made from recycled waste

Please send your reply to:

Manager of Environmental and Governmental Affairs
Los Angeles Department of Water and Power
P.O. Box 111, Room 1121
Los Angeles, California 90051-0100

If you have any questions, please contact Mr. Arthur G. Saginian of my staff at (213) 7962.

Sincerely,

EDWARD KARAPETIAN
Manager of Environmental and
Governmental Affairs

Enclosures

Certified Industrial Hygienist Certificate Copy for L.A F.D.

Survey Requested by: A&M Pumping

Last known Contents: White Gas, Gasoline

Owner of UST: D.W. P.

Location of Tank: 12300 NEBRASKA AVE., L.A.

Date of survey: 2-20-91

Test Method: direct instrument reading

Tank Description:

Time Survey Completed: 1239

Capacity: 2,000 Gallon & 7,500 Gallon each one.

Special Instructions: Maintain the CO_2 level in the tank, transport with all openings at the top to prevent CO_2 loss. Remove tank and immediately place on the transport vehicle. Immediately transport to site of demolition. Due to the CO_2 Levels the tank is not SAFE for Entry because the oxygen levels are to be maintained below 10%.

In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Certified Industrial Hygienist.

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subjects to gas accumulation, unless specifically approved in this Certificate, requiers inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS(partial list, paraphrased from NFPA 306-1980, Subsection 1-6.1 through 1-6.4, and Subsection 5-3.2)

SAFE FOR WORKERS: Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Certified Industrial Hygienist's Certificate.

NOT SAFE FOR WORKERS: Means that in the compartment or space so designated, the requirements for Safe for Workers has not been met.

SAFE FOR HOT WORK: Means that in the compartment so designated; (a)oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot owrk is to be performed; and that, (b)the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b)above under existing atmospheric conditions in the presence of fire, and while maintained as diredted on the Certified Industrial Hygienist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are sarisfactorily inerted, or, in the case of fuel tanks or lube oil tanks or engine room or fire room bilges, have been treated in accordance with the Certified Industrial Hygienist's requirements.

NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Safe for Hot Works have not been met.

CERTIFIED INDUSTRIAL HYGIENIST'S ENDORSEMENT.This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306-1980 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

"The undersigned acknowleges receipt of this Certificate under Section 2-3 of NFPA 306-1980 and understands conditions and limitations under which it was issued."

Signed Mark Vasquez 2-20-91

Name Company Date

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualification and instructions.

Signed L.A F.D. # 1326

IH Cert. Number

6108
FS# 59

FIRE PERMIT APPLICATION FOR UNDERGROUND TANKS OR ATMOSPHERIC TANK SYSTEMS

INSTRUCTIONS: Complete all items below. Return page with payment. Type or print neatly.

SECTION 1

CITY CLERK USE ONLY	PD DT 12-14-89

CURRENT FIRE PERMIT NO. 553028-79

LEGAL NAME LOS ANGELES DEPT. OF WATER & POWER, WEST L.A. DISTRIBUTION HEADQUARTERS

BUSINESS ADDRESS 12300 NEBRASKA AVENUE UNIT # ____
(Where underground tanks are located) Street No. Full Street Name

CITY CLERK USE ONLY	ED	W

CITY LOS ANGELES STATE CA ZIP ____

DOING BUSINESS AS L.A. DEPT. OF WATER & POWER

IN CARE OF ROOM 1029 GDB BUSINESS MAILING ADDRESS P.O. BOX 111, L.A., CA 90051
P.O. Box, Address, and Street State Zip

NAME OF BUSINESS OWNER CITY OF L.A., DEPT OF WATER & POWER

TELEPHONE NO.: BUSINESS (213) 481-5516 24-HOUR EMERGENCY (213) 481-7200

NAME OF PROPERTY OWNER L.A. DEPT. OF WATER & POWER MAILING ADDRESS P.O. BOX 111, LA, CA 90051 ROOM 1029

Briefly describe nature of your business (use additional sheet if needed) ELECTRIC & WATER UTILITY

FOR CITY CLERK USE ONLY	FD	CLASS	MC	PC	PERIOD	AMOUNT $
	F	714	P	21	A90	Ø

SECTION 2

FEE CALCULATION

		No. of tanks	Subtotal
Permit for Underground Tanks	$192.00 X	3	Ø
State of California surchage for Underground Tanks	$56.00 X		Ø

FEE EXEMPTION:

If your establishment is a government agency, check here ✓
Do not fill in fee calculation
Government agencies must file an application, however no fee is required.

Please retain a copy for your records

ENTERED
JAN 10 1990
DATA ENTRY

PAY THIS AMOUNT → Ø

MAKE ALL CHECKS PAYABLE TO ELIAS MARTINEZ, CITY CLERK

REMIT TO:

CITY OF LOS ANGELES
TAX AND PERMIT DIVISION
P.O. BOX 30626
LOS ANGELES, CA 90030-0626

Wayne A Bamossy CIVIL ENGG ASSOCIATE 14 DEC 89
Signature of Owner or Authorized Representative Title Date

FIRE DEPT USE ONLY	MASTER CODE		Date ____	LAFD Signature ____

LAFD 1990

TANK ABANDONMENT FORM

ADDRESS 12300 Nebraska Ave. DATE Jan. 15, 1958

NO. OF TANKS	CAPACITY	METHOD OF ABANDONMENT
1	2,000 gal.	Filled with sand.

LOCATION OF TANK: 15' West of East P/L & Approx. 200' So. of No. P/L

REMARKS:

Anthony Zippi
Signature of Inspector

FPB STENCIL
#91
1/26/50

TANK ABANDONMENT FORM

ADDRESS 12300 Nebraska DATE 2/14/57

NO. OF TANKS	CAPACITY	METHOD OF ABANDONMENT
1	2000	Removed from Ground

LOCATION OF TANK: Water & Power Equipment Yard

REMARKS: Tank filled with CO_2 & capped. Removed and set alongside ditch. ~~[illegible]~~ Tank repaired and replaced in ground.

Wayne K. Brodil
Signature of Inspector

NAME DEPT. OF WATER AND POWER ADDRESS 12300 NEBRASKA

DBA PUBLIC UTILITY DATE JANUARY 15, 1957

ON SOUTH Side of Street—between BUNDY and CENTINELA

No.
Code 373

BOARD OF FIRE COMMISSIONERS, CITY OF LOS ANGELES:

In conformance with the Ordinances of the City of Los Angeles and under the supervision of the Chief Engineer of the Fire Department or his duly authorized representative, application is hereby made for

AN ORIGINAL PERMIT ☐ A RENEWAL OF PERMIT ☒ A TRANSFER OF PERMIT ☐ to install or maintain

☐ AIRCRAFT FUELING POST
☐ AIR VEHICLE FACTORY
☐ AIR VEHICLE HANGAR
☒ AUTO FILLING STATION (Private Use)
☐ AUTO PARKING STATION
☐ PUBLIC FILLING STATION
☐ PUBLIC GARAGE
☐ PUBLIC OIL DEPOT
☐ TENANT GARAGE

Applicant is a ~~CORPORATION~~ PUBLIC UTILITY—ASSOCIATION—PARTNERSHIP—INDIVIDUAL (Indicate by placing an X above type of organization.)

Signature R. G. Booth Title SUP'T OF TRANSPORTATION Applicant's Phone MI 4211 STA. 8516

Mail Address 1630 NO. MAIN ST., LOS ANGELES 12, CALIFORNIA

SPACE BELOW THIS LINE FOR DEPARTMENTAL USE ONLY

Perimeter of property in linear feet: 400 +

and to install or maintain in connection therewith TANKS AND DISPENSING APPARATUS AS FOLLOWS:

No. of Tanks	Capacity	Contents	Make & Symbol	LAFC No.	Location
1	2000	gas	See	Files	—
1	7500	gas			

1 TANKS 7000 GALS. UNDERGROUND STORAGE—AND PORTABLE TANKS OF Gallons Capacity.

First Inspection Date 2-14-57 Last Inspection Date 6-6-57 Inspector Wayne K. Bu[illegible]

Recommendation: APPROVAL—DISAPPROVAL—CANCELLATION—Violation of Ordinance No. Section

Previous Permit Granted (date) To Detail (date) By

Former Permittee (for use on transfer of permit only) Inspector Completed (date)

Prepared for Comm. (date) By

Remarks: 2000 gal tank was leaking. It was removed from ground — repaired and tested, and replaced back in same location.

JUN 18 1957

Raymond M. Hill

F-323—10M Sets—5-51

DISPENSING APPARATUS

No.	Make and Symbol	LAFC	Location
2	Bennett	— See Files	

2 Dispensing Units of which ..... are Visible 2 are Meter and ..... are Blind.

CHECK SHEET

GARAGES AND PARKING STATIONS

Area Used ..... Square Feet
Open Lot Only .....
Height of Bldg. ..... Type .....
Basement ..... Sub-Basement .....
Basement Openings Protected .....
Basement Ventilation .....
CO^2 ..... CTC ..... S & A .....
Foam ..... Dry Powder .....
Condition of Extinguishers .....
Condition of Sprinkler System .....
Occupancy Separation .....
Partitions Separating Repair Shop from
Storage and Gasoline Dispensing .....
Housekeeping ..... Wall Vents .....
Condition of Wiring & Elec. Equip. .....
.....
Suction System for Tire Buffers .....
.....
Location & Condition of Pit .....
Storage of Flammable Liquids for:
Cleansing Parts .....
Spraying with Flammable Liquids .....
Approved Automobile Spray Booth .....
Spot Painting Only .....
Storage of Rubber Solvent, Cement .....
Mixing of Rubber Cement .....
Storage of Lube Oil .....
"No Smoking" Signs .....
Metal Containers for Combustible Waste .....
.....
Disposal of Waste Oil .....
Canvas and/or Paper Covers over Motor Vehicles .....
.....
Type of Open Flame .....

AIRCRAFT FUELING POST FILLING STATION

Perimeter of Property, linear ft. 400 +
Height of Bldg. none Type of Bldg. none
Open Lot Only —
Distance between Dispenser & Property Line 50'
Electric Wiring and Equipment OK
Location of Power Control along fence East of pumps
Type of Power Control Remote-Elect. Manual
Occupancy Separation OK
Vapor-Proof Globes —
Fluorescent Lights —
Neon Lights —
CO^2 ..... CTC ..... S & A .....
Foam ..... Dry Powder 1
Condition of Extinguishers OK
Signs ("No Smoking—Stop Motor") OK
Metal Receptacles for Combustible Waste OK
.....
Disposal of Waste Oil —
Housekeeping OK
Condition of Pit or Lube Rack —
Amount of Lube Oil —
Capacity of Lube Oil Container —
Type of Containers —
Amount of Kerosene—Solvent —
Type of Containers —
Vent Pipes OK Fill Pipes OK
Suction Pipe Lines —
Return Pipe Lines —
Overflow Pipe Lines —
Air Exhaust Pipe Lines —
Curb Pipe Fill Line .....
Illegal Repairing Being Performed —
Was C. of O. Granted? .....
Location & Type of Heater .....

NAME Los Angeles City Department of water & Power ADDRESS 12300 Nebraska Ave.

No.

DBA Same DATE Jan. 22, 1958

Code 3-A-3

ON So. Side of Street—between Bundy Drive & and Olympic Blvd.

CHIEF ENGINEER, CITY OF LOS ANGELES:

In conformance with the Ordinances of the City of Los Angeles and under the supervision of the Chief Engineer of the Fire Department or his duly authorized representative, application is hereby made for

AN ORIGINAL PERMIT ☐ A RENEWAL OF PERMIT ☒ A TRANSFER OF PERMIT ☐ to install or maintain

☐ AIRCRAFT FUELING POST
☐ AIR VEHICLE FACTORY
☐ AIR VEHICLE HANGAR
☒ AUTO FILLING STATION Pvt. use
☐ AUTO PARKING STATION
☐ PUBLIC FILLING STATION
☐ PUBLIC GARAGE
☐ PUBLIC OIL DEPOT
☐ TENANT GARAGE

Applicant is a CORPORATION—ASSOCIATION—PARTNERSHIP—INDIVIDUAL (Indicate by placing an X above type of organization.)

Signature Martin Holmes Title Foreman Applicant's Phone Mi 4211-ST8231

Mail Address 12300 Nebraska ave. LA 25

SPACE BELOW THIS LINE FOR DEPARTMENTAL USE ONLY

Perimeter of property in linear feet:

and to install or maintain in connection therewith TANKS AND DISPENSING APPARATUS AS FOLLOWS:

No. of Tanks	Capacity	Contents	Make & Symbol	LAFC No.	Location
1-	1000	White gasoline	National	156-53	10' w. of E. P/L & 200' So. of No. P/L

(NEW INSTALLATION)

RECORD

TANKS GALS. UNDERGROUND STORAGE—AND PORTABLE TANKS OF Gallons Capacity.

First Inspection Date Last Inspection Date Jan. 22, 1958 Inspector Anthony Bozzi

Recommendation: APPROVAL—DISAPPROVAL—CANCELLATION—Violation of Ordinance No. Section

Previous Permit Granted (date) To Detail (date) By

Former Permittee (for use on transfer of permit only) Inspector Completed (date)

Remarks: One 2000 gallon tank removed and this 1000 gallon tank installed..

Raymond M. Hill

FEB 19

FEB 19 1958

Chief Engineer

F-323—5M—2-57

DISPENSING APPARATUS

Make and Symbol LAFC Location

.....

.....

.....

.....

.....

..... Dispensing Units of which ..... are Visible ..... are Meter and ..... are Blind.

CHECK SHEET

GARAGES AND PARKING STATIONS

Area Used ..... Square Feet

Open Lot Only .....

Height of Bldg. ..... Type .....

Basement ..... Sub-Basement .....

Basement Openings Protected .....

Basement Ventilation .....

CO^2 ..... CTC ..... S & A .....

Foam ..... Dry Powder .....

Condition of Extinguishers .....

Condition of Sprinkler System .....

Occupancy Separation .....

Partitions Separating Repair Shop from Storage and Gasoline Dispensing .....

Housekeeping ..... Wall Vents .....

Condition of Wiring & Elec. Equip. .....

.....

Suction System for Tire Buffers .....

.....

Location & Condition of Pit .....

Storage of Flammable Liquids for:

Cleansing Parts .....

Spraying with Flammable Liquids .....

Approved Automobile Spray Booth .....

Spot Painting Only .....

Storage of Rubber Solvent, Cement .....

Mixing of Rubber Cement .....

Storage of Lube Oil .....

"No Smoking" Signs .....

Metal Containers for Combustible Waste .....

.....

Disposal of Waste Oil .....

Canvas and/or Paper Covers over Motor Vehicles .....

.....

Type of Open Flame .....

AIRCRAFT FUELING POST FILLING STATION

Perimeter of Property, linear feet.....

Height of Bldg. ..... Type of Bldg.....

Open Lot Only .....

Distance between Dispenser & Property Line .....

Electric Wiring and Equipment .....

Location of Power Control .....

Type of Power Control .....

Occupancy Separation .....

Vapor-Proof Globes .....

Fluorescent Lights .....

Neon Lights .....

CO^2..... CTC ..... S & A .....

Foam ..... Dry Powder .....

Condition of Extinguishers .....

Signs ("No Smoking—Stop Motor") .....

Metal Receptacles for Combustible Waste .....

.....

Disposal of Waste Oil .....

Housekeeping .....

Condition of Pit or Lube Rack .....

Amount of Lube Oil .....

Capacity of Lube Oil Container .....

Type of Containers .....

Amount of Kerosene—Solvent .....

Type of Containers .....

Vent Pipes ..... Fill Pipes .....

Suction Pipe Lines .....

Return Pipe Lines .....

Overflow Pipe Lines .....

Air Exhaust Pipe Lines .....

Curb Pipe Fill Line .....

Illegal Repairing Being Performed .....

Was C. of O. Granted? .....

Location & Type of Heater .....

NAME Dept. of Water & Power ADDRESS 12300 Nebraska Ave.

No. 1330

DBA Same DATE 9-3-53

Code 3-A3

ON So. Side of Street—between Bundy and Centinella

BOARD OF FIRE COMMISSIONERS, CITY OF LOS ANGELES:

In conformance with the Ordinances of the City of Los Angeles and under the supervision of the Chief Engineer of the Fire Department or his duly authorized representative, application is hereby made for

AN ORIGINAL PERMIT ☒ A RENEWAL OF PERMIT ☐ A TRANSFER OF PERMIT ☐ to install or maintain

☐ AIRCRAFT FUELING POST
☐ AIR VEHICLE FACTORY
☐ AIR VEHICLE HANGAR
☒ AUTO FILLING STATION pvt. use
☐ AUTO PARKING STATION
☐ PUBLIC FILLING STATION
☐ PUBLIC GARAGE
☐ PUBLIC OIL DEPOT
☐ TENANT GARAGE

Applicant is a CORPORATION—ASSOCIATION—PARTNERSHIP—INDIVIDUAL (Indicate by placing an X above type of organization.)

Signature Rolland M. Garrett Title Plumber Foreman Applicant's Phone MI. 4211 STA. 2859

Mail Address C/o R.M. Garrett 1212 Palmetto St. (13)

SPACE BELOW THIS LINE FOR DEPARTMENTAL USE ONLY

Perimeter of property in linear feet: 400+

and to install or maintain in connection therewith TANKS AND DISPENSING APPARATUS AS FOLLOWS:

No. of Tanks	Capacity	Contents	Make & Symbol	LAFC No.	Location
1	7500 gal.	gasoline	Advance	2269-51	15' E.P.L., 200' N.P.L.
1	2000 gal.	gasoline	"	2263-51	" " , 215' "

2 TANKS 9500 GALS. UNDERGROUND STORAGE—AND PORTABLE TANKS OF Gallons Capacity.

First Inspection Date 9-4-53 Last Inspection Date 9-5-14-54 Inspector Joe W. Shaw

Recommendation: APPROVAL—DISAPPROVAL—CANCELLATION—Violation of Ordinance No. Section

Previous Permit Granted New (date) To Detail (date) By

Former Permittee (for use on transfer of permit only) Inspector Completed MAY 27 1954 (date)

Prepared for Comm. (date) By

Remarks:

APPROVED FOR ZONING ... M-2
Department of
Planning and Safety
Superintendent of Building
by Ruth Wirt Date SEP 11 1953

F-323—10M Sets—5-51

DISPENSING APPARATUS

No.	Make and Symbol	LAFC	Location
2	Bennett Model 647		on Island

2 Dispensing Units of which ..... are Visible 2 are Meter and ..... are Blind.

CHECK SHEET

GARAGES AND PARKING STATIONS

Area Used ..... Square Feet
Open Lot Only .....
Height of Bldg. ..... Type .....
Basement ..... Sub-Basement .....
Basement Openings Protected .....
Basement Ventilation .....
CO^2 ..... CTC ..... S & A .....
Foam ..... Dry Powder .....
Condition of Extinguishers .....
Condition of Sprinkler System .....
Occupancy Separation .....
Partitions Separating Repair Shop from Storage and Gasoline Dispensing .....
Housekeeping ..... Wall Vents .....
Condition of Wiring & Elec. Equip. .....
Suction System for Tire Buffers .....
Location & Condition of Pit .....
Storage of Flammable Liquids for:
Cleansing Parts .....
Spraying with Flammable Liquids .....
Approved Automobile Spray Booth .....
Spot Painting Only .....
Storage of Rubber Solvent, Cement .....
Mixing of Rubber Cement .....
Storage of Lube Oil .....
"No Smoking" Signs .....
Metal Containers for Combustible Waste .....
Disposal of Waste Oil .....
Canvas and/or Paper Covers over Motor Vehicles .....
Type of Open Flame .....

AIRCRAFT FUELING POST FILLING STATION

Perimeter of Property, linear ft. 400 +
Height of Bldg. 1 Type of Bldg. 3
Open Lot Only 1 no
Distance between Dispenser & Property Line OK
Electric Wiring and Equipment OK
Location of Power Control on Compressor
Type of Power Control Manual
Occupancy Separation OK
Vapor-Proof Globes OK
Fluorescent Lights OK
Neon Lights OK
CO^2 ..... CTC ..... S & A 1
Foam 1 Dry Powder .....
Condition of Extinguishers OK
Signs ("No Smoking—Stop Motor") OK
Metal Receptacles for Combustible Waste OK
Disposal of Waste Oil Drums
Housekeeping Good
Condition of Pit or Lube Rack none
Amount of Lube Oil 200
Capacity of Lube Oil Container 240
Type of Containers Metal
Amount of Kerosene—Solvent none
Type of Containers .....
Vent Pipes OK Fill Pipes OK
Suction Pipe Lines .....
Return Pipe Lines .....
Overflow Pipe Lines .....
Air Exhaust Pipe Lines .....
Curb Pipe Fill Line .....
OK
Illegal Repairing Being Performed no
Was C. of O. Granted? 9
Location & Type of Heater none

NAME HARVEY SCHOOL BUS SERVICE ADDRESS 3332 MOTOR AVE (PALM DIST)

No. 6362

DBA " " " " DATE 1-24-52

Code 3-A3

ON E Side of Street—between ROSE and WOODBINE

BOARD OF FIRE COMMISSIONERS, CITY OF LOS ANGELES:

In conformance with the Ordinances of the City of Los Angeles and under the supervision of the Chief Engineer of the Fire Department or his duly authorized representative, application is hereby made for

AN ORIGINAL PERMIT ☒ A RENEWAL OF PERMIT ☐ A TRANSFER OF PERMIT ☐ to install or maintain

☐ AIRCRAFT FUELING POST
☐ AIR VEHICLE FACTORY
☐ AIR VEHICLE HANGAR
☒ AUTO FILLING STATION Pvt. use
☐ AUTO PARKING STATION
☐ PUBLIC FILLING STATION
☒ PUBLIC GARAGE
☐ PUBLIC OIL DEPOT
☐ TENANT GARAGE

Applicant is a CORPORATION—ASSOCIATION—PARTNERSHIP—INDIVIDUAL (Indicate by placing an X above type of organization.)

Signature CRANE SERVICE Co F.B. Goldman Title Contractor Applicant's Phone ADAMS 12191

Mail Address ~~9629 NEVIN AVE LA CAL~~ ~~(11)~~

SAME AS ABOVE (34)

SPACE BELOW THIS LINE FOR DEPARTMENTAL USE ONLY

Perimeter of property in linear feet:

and to install or maintain in connection therewith TANKS AND DISPENSING APPARATUS AS FOLLOWS:

No. of Tanks	Capacity	Contents	Make & Symbol	LAFC No.	Location
1	7500	GASOLINE	PRINT NO. 1678	1967-50	15' FROM E.P.L.
1	550	~~[illegible]~~ GASOLINE		existing	40' FROM N.P.L.

2 ~~7~~ TANKS ~~7500~~ 8050 GALS. UNDERGROUND STORAGE—AND PORTABLE TANKS OF Gallons Capacity.

First Inspection Date 3-11-52 Last Inspection Date 6-20-52 Inspector Simmons V. Blake

Recommendation: APPROVAL—DISAPPROVAL—CANCELLATION—Violation of Ordinance No. Section

Previous Permit Granted new (date) To Detail (date) By

Former Permittee (for use on transfer of permit only) Inspector Completed (date)

Prepared for Comm. (date) By

JUN 26 1952

Remarks: APPROVED: FOR ZONING ONLY
Department of
Building and Safety.
G. E. MORRIS,
Superintendent of Building,
By EB Date 2/18/52

~~550 gal. tank formerly used for gasoline~~
~~now to used for waste oil~~

146

F-323—10M Sets—5-51

DISPENSING APPARATUS

No.	Make and Symbol	LAFC	Location
1	BENNET	94519	
1	Bowers	37-916 O	ISLAND

2 Dispensing Units of which X are Visible 2 are Meter and X are Blind.

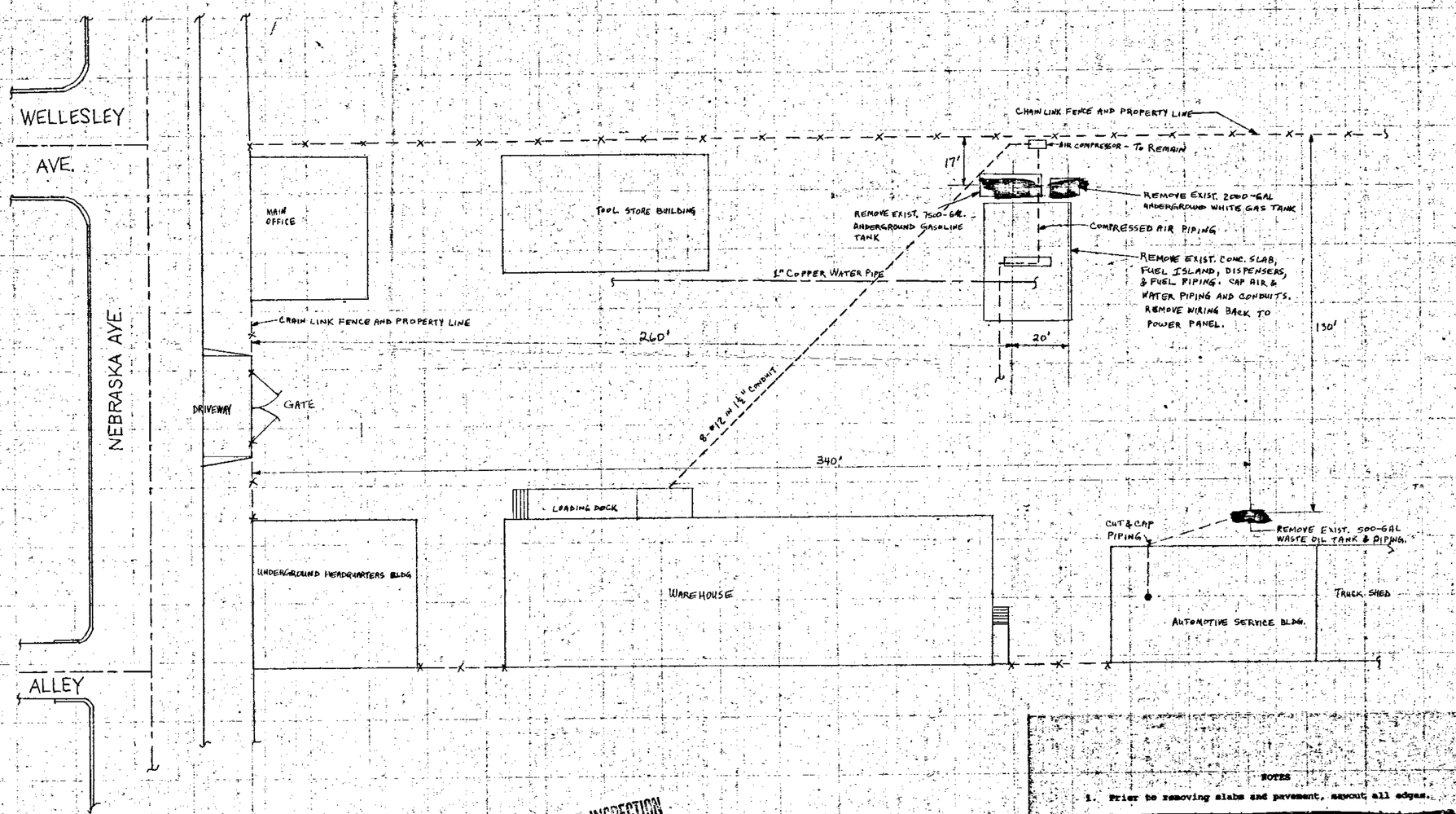
CHECK SHEET

GARAGES AND PARKING STATIONS

Area Used ..... Square Feet
Open Lot Only .....
Height of Bldg. ..... Type .....
Basement ..... Sub-Basement .....
Basement Openings Protected .....
Basement Ventilation .....
CO^2 ..... CTC ..... S & A .....
Foam ..... Dry Powder .....
Condition of Extinguishers .....
Condition of Sprinkler System .....
Occupancy Separation .....
Partitions Separating Repair Shop from Storage and Gasoline Dispensing .....
Housekeeping ..... Wall Vents .....
Condition of Wiring & Elec. Equip. .....
Suction System for Tire Buffers .....
Location & Condition of Pit .....
Storage of Flammable Liquids for:
Cleansing Parts .....
Spraying with Flammable Liquids .....
Approved Automobile Spray Booth .....
Spot Painting Only .....
Storage of Rubber Solvent, Cement .....
Mixing of Rubber Cement .....
Storage of Lube Oil .....
"No Smoking" Signs .....
Metal Containers for Combustible Waste .....
Disposal of Waste Oil .....
Canvas and/or Paper Covers over Motor Vehicles .....
Type of Open Flame .....

AIRCRAFT FUELING POST FILLING STATION

Perimeter of Property, linear ft. 400+
Height of Bldg. 1 Type of Bldg. V
Open Lot Only NO
Distance between Dispenser & Property Line 70'
Electric Wiring and Equipment OK
Location of Power Control REMOTE
Type of Power Control MANUAL
Occupancy Separation OK
Vapor-Proof Globes NO
Fluorescent Lights NO
Neon Lights NO
CO^2 — CTC — S & A —
Foam — Dry Powder 1
Condition of Extinguishers OK
Signs ("No Smoking—Stop Motor") OK
Metal Receptacles for Combustible Waste NO
Disposal of Waste Oil UGT
Housekeeping FAIR
Condition of Pit or Lube Rack NO
Amount of Lube Oil 1,200
Capacity of Lube Oil Container 250
Type of Containers DRUMS
Amount of Kerosene—Solvent NO
Type of Containers NO
Vent Pipes OK Fill Pipes OK
Suction Pipe Lines OK
Return Pipe Lines NO
Overflow Pipe Lines NO
Air Exhaust Pipe Lines NO
Curb Pipe Fill Line NO
Illegal Repairing Being Performed NO
Was C. of O. Granted? ?
Location & Type of Heater NO



SITE PLAN
SCALE 1" = 20'

NOTES

1. Prior to removing slabs and pavement, saw cut all edges.
2. [redacted] Cap air and water piping [redacted] and cap conduits.
3. Backfill tank excavations with pea gravel to within 4 or 5 feet of finish grade. Fill remainder with native soil compacted to 90%, topped with 6 inches of CAB compacted to 95% and hot-mix asphaltic concrete, grade D2-AR8000, A.C. to match thickness of existing, but 3 inches minimum.
4. Tank removal work in accordance with Fire Prevention Bureau Requirement No. 41 and applicable AQMD rules.
5. Degassing, cleaning, transport and disposal of gasoline and white gas tanks under PO# 31665-0, Hydro-Fluent, Inc.
6. Disposal of waste oil tank and residuals under PO# 01573-0, Hydro-Fluent, Inc. Transport to Hydro-Fluent by DWP trucks.

SUBJECT TO FIELD INSPECTION
The approval of these plans and/or specifications does not exempt them from strict compliance with all other pertinent Sections of the Municipal Code and other laws and regulations.
APPROVED
12/4/90
LOS ANGELES FIRE DEPARTMENT
BUREAU OF FIRE PREVENTION
BY J. Gould
#01326

EIS DESCRIPTION: REMOVE UNDERGROUND TANKS & FUEL ISLAND WEST L.A. DISTRIBUTION HEADQUARTERS 12300 NEBRASKA AVE., L.A.	
SCALE (UNLESS NOTED) AS NOTED	OWNER/AGENT APPROVAL
FACILITY DEB ENGR 4027 WAYNE A. BAMOSSY	EIS RELEASE APPROVAL
DWGS TO BE REVISED	
ENGINEERING APPROVAL Wayne A. Bamossy RCE 37865	11-15-90 FINAL APPROVAL RELEASE SIGNATURE DATE
DWP POWER SYSTEM DEPARTMENT OF WATER AND POWER CITY OF LOS ANGELES	EIS NUMBER 69-63-90-48

AESE
8100 Balboa Place, Van Nuys, CA 91406
(818) 786-2373
fax (818) 786-5440

Inspection Date:	April 17, 2003
Site Name:	W.LA2 Nebraska
Site Facility:	General Fueling
Site Number:	51
Site Address	12300 Nebraska.
	Los Angeles, CA 90026
AESE Job Number:	034117

RE: SB989 Testing and Inspections

At this site AESE inspected three 2,000-gallon above ground Convalt tanks. While AESE was on site, we checked all nozzle and retractors and the system is operating properly.

Based on our inspection, AESE would recommend that no further testing be required.

DAILY WORK RECORD

A.E. SCHMIDT ENVIRONMENTAL
8100 BALBOA PLACE
VAN NUYS, CALIFORNIA 91406

DATE: April 17, 2003

DAY	S	M	T	W	TH	F	S

TEMP 65

PROJECT: Site 51
JOB NO: 034117
CLIENT: Department Of Water & Power
PROJECT MANAGER: Jerry Chesnut

WEATHER

CLR	HZY	CLDY	RAIN
			X

EQUIPMENT RENTAL-ITEM	TIME IN	TIME OUT	SUPPLIER	REMARKS

CONTRACTORS ON SITE

CONTRACTOR	NO. EMPLOYEES	Hours On Site/ Travel Time
AESE	2	1 1

VISITORS/INSPECTIONS

TIME	NAME	REPRESENTING	REMARKS

CONSTRUCTION ACTIVITIES

AT this site AESE observed the above ground tanks. AESE tested all nozzle and retractors. The systemsystem appeared to be working properly at this time.

SUBCONTRACTOR TASKS COMPLETED

CHANGE ORDER WORK-DESCRIPTION	AESE HOURS	SUB HOURS

PAGE _____ OF _____ PAGES

SITE NAME: West LA 2 Nebraska	**DATE:** April 17, 2003
SITE NUMBER: 51	
SITE ADDRESS: 12300 Nebraska	
JOB NUMBER: 0'34117	

UNDERGROUND STORAGE TANK

UST SIZE: 2,000	**PRODUCT:** Unleaded	**MODEL:** Convault

	FILL	PIPING	SIPHON	DEPTH	DIA.	BOOTS	TURBINE	P/F
SUMP 1								
SUMP 2:								
SUMP 3:								
SUMP 4:								

UNDERGROUND STORAGE TANK

UST SIZE: 2,000	**PRODUCT:** Unleaded	**MODEL:** Convault

	FILL	PIPING	SIPHON	DEPTH	DIA.	BOOTS	TURBINE	P/F
SUMP 1								
SUMP 2:								
SUMP 3:								
SUMP 4:								

UNDERGROUND STORAGE TANK

UST SIZE: 2,000	**PRODUCT:** Diesel	**MODEL:** Convault

	FILL	PIPING	SIPHON	DEPTH	DIA.	BOOTS	TURBINE	P/F
SUMP 1								
SUMP 2:								
SUMP 3:								
SUMP 4:								

UNDERGROUND STORAGE TANK

UST SIZE:	**PRODUCT:**	**MODEL:**

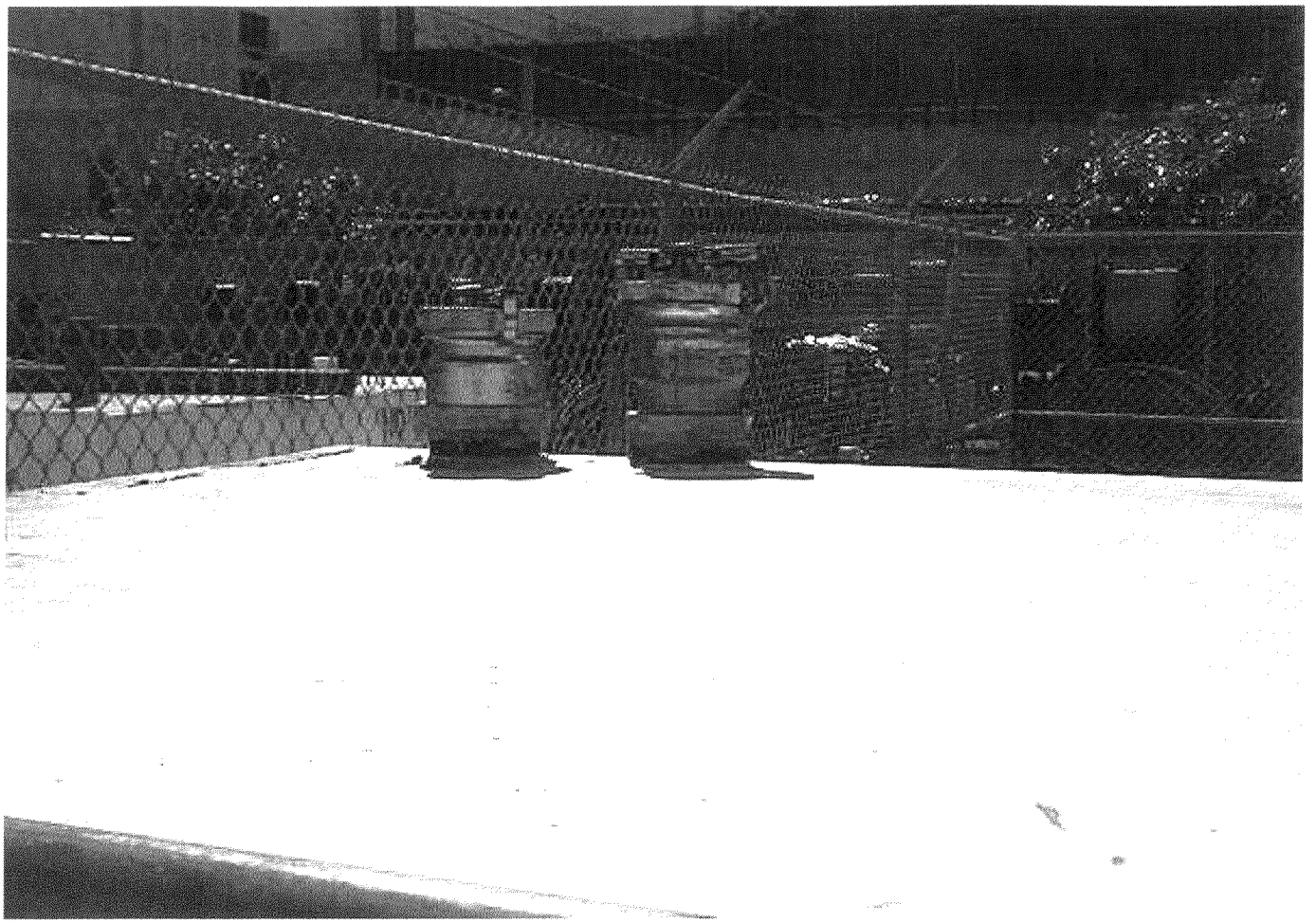
	FILL	PIPING	SIPHON	DEPTH	DIA.	BOOTS	TURBINE	P/F
SUMP 1								
SUMP 2:								
SUMP 3:								
SUMP 4:								

FUELING ISLAND

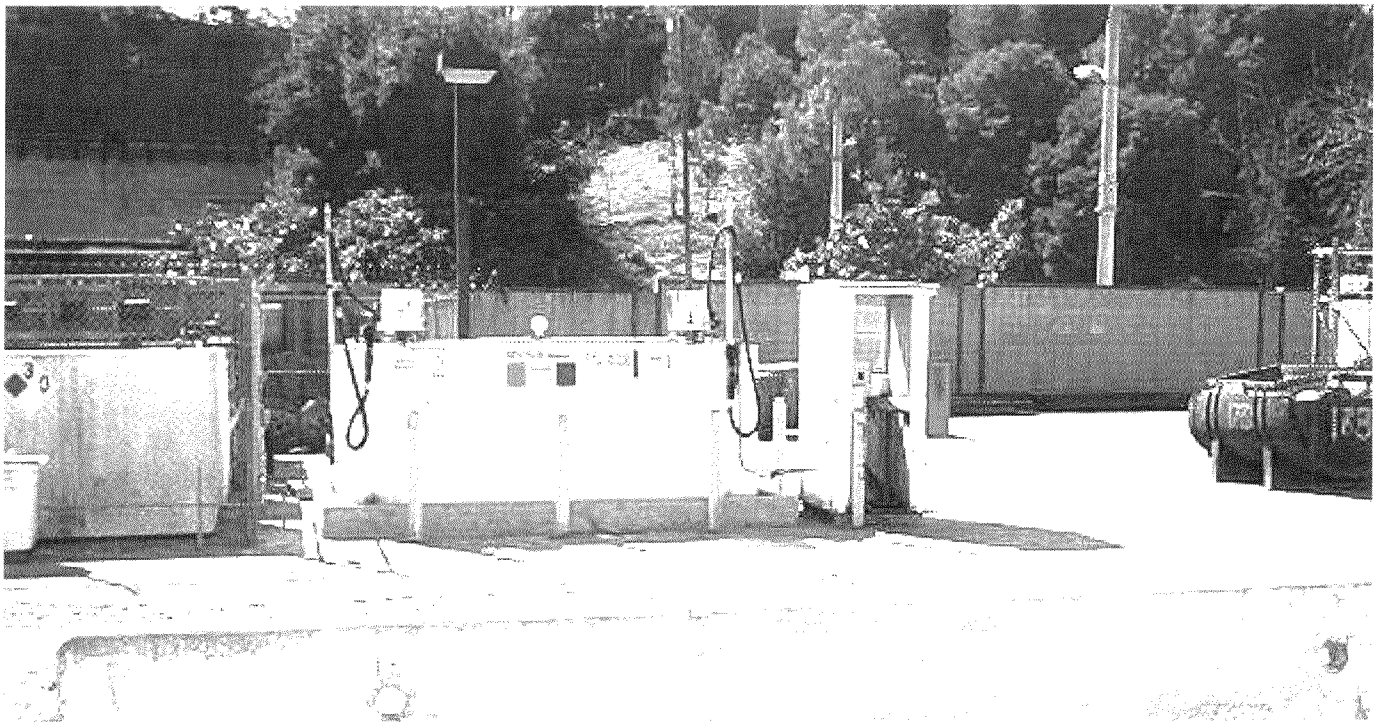
	NO CONTAINMENT	CONTAINMENT	TEST BOOTS	P/F
DISPENSER 1:				
DISPENSER 2:				
DISPENSER 3:				
DISPENSER 4:				
DISPENSER 5:				
DISPENSER 6:				

A/G Fuel Tank

Gas Boy Dispenser



Tank Top Fills



A/G Fuel Tank

Los Angeles County Fire Department – Hazardous Materials Division (LACFD)
12270 Nebraska Avenue

34-A3

PLANT SURVEY TELEPHONE REQUEST

PUBLIC HEALTH PROGRAMS - OCCUPATIONAL HEALTH
COUNTY OF LOS ANGELES DEPARTMENT OF HEALTH SERVICES

DATE: 7/1/82

RECEIVED BY: Sandra

NAME OF PLANT: Allied Chemicals

PERSON TO CONTACT:

ADDRESS OF PLANT: ? [redacted]

TELEPHONE NO.:

NATURE OF REQUEST: These oil Companies are emitting sulfur dioxide = it gets worse in the late afternoon = family members are tired = trees leaves are turning yellow = bird bath water has brown green film on it = Wants someone to come out & see will have to make an appointment to get in = spec gate = call before 1pm.

EXACT SITE IN PLANT INVOLVED:

SERVICE REQUESTED BY: [redacted]

ADDRESS: [redacted]

TELEPHONE NO.: [redacted]

REFERRED TO:

DISPOSITION: 7/9/82 Contacted Complainant who stated that she scrubbed her bird baths and feels there is no need for me to take a sample. She will call back if problem persists [redacted]

H-433 (REV. 5-82)

INVESTIGATION DATE: 7/9/82

[redacted] TIALS

REPORT OF ACTIVITIES

Occupational Health
COUNTY OF LOS ANGELES HEALTH DEPARTMENT

PLANT NUMBER	PROJECT NUMBER	DISTRICT
26012		65

FOLLOW-UP DATE: MONTH 1 DAY 15 YEAR 69

PLANT NAME: Allied Chem Co
PLANT ADDRESS: 12270 Nebraska. WLA
PLANT PHONE NO.:
TYPE OF OPERATION:
TOP OFFICIAL NAME: TITLE:
PERSON INTERVIEWED NAME: TITLE:
DATE OF SERVICE: 10 24 69
WORKERS EMPLOYED:
WORKERS AT RISK:
TYPE OF EMPLOYEE RENDERING SERVICE (CHECK ONE): 1 IND. HYG. 2 ENG. 3 CHEM. 4 SANIT. 5 NURSE 6 OTHER

Circle appropriate items (MAY BE MORE THAN ONE)

TYPE OF SERVICE RENDERED		SUBJECT OF SERVICE	
Recommendations Made	01	Atmospheric Contaminant	1
Industrial Hygiene Survey	02	Industrial Sanitation	2
Technical Study of Hazards	03	Ordinance Compliance	3
Advisory Consultation	04	Reports	4
Follow-up on Recommendations	05		
Plans reviewed	06		
Promotion of Plant Hlth. Prog.	07		
Occ. Disease Investigation	08		
Tech. Investigation - Air Pollution	09		
Tech. Investigation - Non Occ. Hlth.	10		
CHEM LAB: Chemical Analysis	01		
Calibration	02		
Maintenance	03		

DETERMINATIONS		ENG. LAB.	
Gases	1	Maintenance	1
Ventilation	2	Calibration	2
Dusts	3	Dust Count	3
Vapors	4		
Physical Factor	5		

Enter number in appropriate box.

NUMBER OF DETERMINATIONS:

SAMPLES COLLECTED:

PLANS REVIEWED	TIME UNITS
204	18

WORKER NUMBER	S.I.C. CODE
12	2810

Circle appropriate item (ONE ONLY)

STATUS	
Extension	01
Refer	02
Continue Study	03
Study to be made	04
Office Hearing	05
Court Hearing	06
CA/DA Hearing	07
Phone Request	08
Abate	09
Close	10
Assist	11

(Enter number in appropriate box)
Disease - Hazard Code
DISEASE-1 HAZARD-2

1	1	1	1
2	2	2	2

Physical Factors - Nature + Control

Toxic Substances	Nature of Control or Study Indicated

Remarks: Dust Collection Systems (3)

CONTINUE ON REVERSE

[redacted]

SUPERVISOR'S SIGNATURE

LOS ANGELES COUNTY HEALTH DEPARTMENT

DIVISION OF OCCUPATIONAL HEALTH

PLAN CORRECTION SHEET

Date 10-22-68

Plans submitted by Allied Chemical Co. Plan Check No.

Owner do Phone [redacted]

Address 12270 Nebraska, West Los Angeles

Architect or Engineer Ross Blow Pipe Mfg. Co. Phone [redacted]

Address [redacted]

Job Address

Use of ~~Building~~ installation dust collection systems (3)

Items for correction

Plan revised

Approved

Dwgs 3087
3087A
3087B
3087C
3087D

[redacted] mplete date: 15 Jul 69

Plans checked by [redacted] PE Phone [redacted]

cc: Building & Safety (2)
Fire Department (1)
Industrial Hygienist (1)
File (1)
[redacted]

H-616 (3-65)
76P45SF-4-65

FILE

RD

OD Survey

JI519N – Cdb-7-65
-432 (3-65)

LOS ANGELES COUNTY HEALTH DEPARTMENT
Division of Occupational Health
PLANT SURVEY

AME OF PLANT Allied Chemical DISTRICT 65
DDRESS 12270 Nebraska PHONE [redacted]
OP OFFICIAL [redacted] TITLE
ERSON INTERVIEWED TITLE
NDUSTRY, PRODUCT OR SERVICE Provides raw material for
ESCRIPTION OF OPERATIONS plastic industry.

TOTAL EMPLOYEES: 50 MALE: 38 FEMALE: 12
OURCE: ☐ SI ☑ OD ☐ MGMT. ☐ LABOR ☐ OTHER

TYPE OF SURVEY
☐ INTRODUCTORY ☑ SURVEY
☐ STUDY ☐ OTHER

POTENTIAL OCCUPATIONAL HEALTH HAZARDS

CODE REGULATIONS	AGENT INVOLVED	CONTROL MEASURES	STUDY YES	STUDY
TOXIC SUBSTANCES	none			
PAINT				
(A) Spray	none			
(B) Dip				
METAL FINISHING				
(A) Plating, Anodizing, Metalizing	none			
(B) Cleaning, Pickling, Etching				
DEGREASING				
(A) Vapor	none			
(B) Other				
FUMES				
CHEMICAL STORAGE	outside & separate warhouse			
PHYSICAL FACTORS	chopping & grinding	exhausted		
OTHER	Hard plastic			

RESPIRATOR TYPE – STORAGE – SANITIZED –

MECHANICAL EXHAUST SYSTEMS
(A) Adequate
(B) Cleanouts, Maintenance, etc.

HOUSEKEEPING

ENVIRONMENTAL SANITATION

	MALE	FEMALE	APP.	NOT APP.	MAINTENANCE OK	MAINTENANCE NOK
WATER CLOSETS						
URINALS						
LAVATORIES						
LUNCH ROOM AREA						

REMARKS:

DRINKING WATER: ☐ FOUNTAIN ☐ BOTTLED ☐ OTHER

WATER SOURCES: Public _____ Private _____

OFFICIAL NOTICE

IND. HYGIE[redacted] DATE 1-30-68 CODE NO. 2820

INVESTIGATION OF DOCTOR'S FIRST REPORT OF WORK INJURY

Employer: allied Chemical	Business (mfg. shoes, retail store, bldg. construction): grinding & Packaging Plastic granules	No. of Employees: 80
Address: 12270 Nebraska WLA		Telephone No.: 272-447

Employee's Name: [redacted]	Age:	Occupation: [redacted]	☒ Male ☐ Female
Address: [redacted]	Length of Experience:	Date Injured: 9-11-67	Time Lost From Work:
Reporting Physician: BK Zee MD	Address: 11665 W Olympic Blvd		

Type of investigation: Plant Visit ☒ Work Site Visit ☒ Phone ☐ Mail ☐ Date Investigated: 1-30 68

PERSONS INTERVIEWED

Name and Title	Name and Title
1. [redacted]	3.
2.	4.

Reconstruction of Events (include duties and materials used and resulting illness or symptoms): Employee weigh plastic granules prior to shipping taking out or adding granules to get correct weight. Occassionally fiberglass packing is used to occupy empty space employee developed dermatitis when fiberglass was used.

Causal Agent(s): [redacted]

Exposure Time of Injured Employee: occassionally

No. of Employees Exposed: 2

Comments and Conclusions (Corrective measures taken?): protective clothing is now worn (Gloves)

Study indicated? No ☒ Yes ☐ Environmental ☐ Medical-Nursing ☐ Combined ☐

▶ [redacted] Investigator

1-30-68 Date

Reporting physician's opinion through follow-up of doctor's report:
Final Diagnosis and Outcome (Sequelae)

Confirmation: Clinical ☐ Lab. ☐ X-Ray ☐ R.N. ☐ M.D. ☐

Evaluation: Not Occupational _____ Possible _____ Probable _____ Initialed _____

Bureau of Occupational Health
State of California, Department of Public Health

(Rev. 3-28-67)
Form OH-3063

DOCTOR'S FIRST REPORT OF [redacted] WORK INJURY

#9658

WEST END MEDICAL GROUP
11665 West Olympic Blvd.
Los Angeles, California 90064
GRanite 8-0866 BRadshaw 2-9316

24 HOUR SERVICE

IMMEDIATELY after first examination mail one copy DIRECTLY to the Division of Labor Statistics and Research, P. O. Box 965, San Francisco 1, and two co to the INSURANCE CARRIER. Failure to file a report with the Division is a misdemeanor. (Labor Code, Sections 6407-6413.) Answer all questions fully.

A. INSURANCE CARRIER: Travelers

1. EMPLOYER: Allied Chemical — Tel. No.:
2. Address (No., St. & City): 12270 Nebraska
3. Business (Manufacturing shoes, building construction, retailing men's clothes, etc.):
4. EMPLOYEE (First name, middle initial, last name): [redacted] — Tel No.: [redacted]
5. Address (No., St. & City): [redacted] — Marital Status: Married — SS: 432-60 0151
6. Occupation: [redacted] — Age: — Sex: Male
7. Date injured: 9-11-67 Hour: A M — Date last worked: 10-2-67
8. Injured at (No., St. & City): Above. — County: Los Angeles
9. Date of your first examination: 10-2-67 Hour: 2:30P M — Who engaged your services? Employer
10. Name other doctors who treated employee for this injury: None

11. ACCIDENT OR EXPOSURE: Did employee notify employer of this injury? Yes — Employee's statement of cause of injury or illness: I work with a raw plastic compound and fibre glass and my hands are broken out.

12. NATURE AND EXTENT OF INJURY OR DISEASE (Include all objective findings, subjective complaints, and diagnoses. If occupational disease state date of onset, occupational history, and exposures.)

Maculo-papular reaction of palms.

DIAGNOSIS (1) Contact dermatitis, hands.

13. X-rays: By whom taken? (State if none): none
Findings:

14. Treatment: Examined; Hytone creme; Rx. Prednisone tabs.

15. Kind of case (Office, home, or hospital): office — If hospitalized, date: — Estimated stay:
Name and address of hospital:
16. Further treatment (Estimated frequency and duration): 1-2 weeks
17. Estimated period of disability for: Regular work: 7 days — Modified work: none
18. Describe any permanent disability or disfigurement expected (State if none): None.
19. If death ensued, give date:
20. REMARKS (Note any pre-existing injuries or diseases, need for special examination or laboratory tests, other pertinent information)

None.

Name: [redacted]

Date of report: 10-2-67 — Address (No., St. & City): [redacted]

PERSONAL SIGNATURE OF DOCTOR:

Use reverse side if more space required

Rn

11519N – Oct-7-65
-432 (3-65)

LOS ANGELES COUNTY HEALTH DEPARTMENT
Division of Occupational Health
PLANT SURVEY

AME OF PLANT Allied Chemical DISTRICT
DDRESS 12270 Nebraska WLA PHONE 2724471
OP OFFICIAL [redacted] TITLE [redacted]
ERSON INTERVIEWED [redacted] TITLE
NDUSTRY, PRODUCT OR SERVICE Milling of Plastics Molds
ESCRIPTION OF OPERATIONS Plastic Molds are milled to Size

TOTAL EMPLOYEES: 28 MALE: 20 FEMALE: 8
OURCE: ☐ SI ☐ OD ☐ MGMT. ☐ LABOR ☐ OTHER

TYPE OF SURVEY
☐ INTRODUCTORY ☑ SURVEY
☐ STUDY ☐ OTHER

POTENTIAL OCCUPATIONAL HEALTH HAZARDS

CODE REGULATIONS	AGENT INVOLVED	CONTROL MEASURES	STUD YES
TOXIC SUBSTANCES			
PAINT			
(A) Spray			
(B) Dip			
METAL FINISHING			
(A) Plating, Anodizing, Metalizing			
(B) Cleaning, Pickling, Etching			
DEGREASING			
(A) Vapor			
(B) Other			
FUMES			
CHEMICAL STORAGE			
PHYSICAL FACTORS			
OTHER			

none

RESPIRATOR TYPE – STORAGE – SANITIZED –
MECHANICAL EXHAUST SYSTEMS
(A) Adequate
(B) Cleanouts, Maintenance, etc.
HOUSEKEEPING

ENVIRONMENTAL SANITATION

	MALE	FEMALE	APP.	NOT APP.	MAINTENANCE OK	MAINTENANCE NOK
WATER CLOSETS						
URINALS						
LAVATORIES						
LUNCH ROOM AREA						

DRINKING WATER: ☐ FOUNTAIN ☐ BOTTLED ☐ OTHER

REMARKS: Employee was allergic to milling chips. When employee wore long sleeve shirts condition cleared - no health hazard as

WATER SOURCES: Public Private

OFFICIAL NOTICE [redacted]

ND. HY [redacted] DATE 9-15-67 CODE NO. 2820

DOCTOR'S FIRST REPORT OF WORK INJURY

SEP 13 1967

#9429

WEST END MEDICAL GROUP
11665 West Olympic Blvd.
Los Angeles, California 90064
GRanite 8-0866 BRadshaw 2-9316
24 HOUR SERVICE

IMMEDIATELY after first examination mail one copy DIRECTLY to the Division of Labor Statistics and Research, P. O. Box 965, San Francisco 1, and two copi to the INSURANCE CARRIER. Failure to file a report with the Division is a misdemeanor. (Labor Code, Sections 6407-6413.) Answer all questions fully.

A. INSURANCE CARRIER: Travelers

1. EMPLOYER: Allied Chemical Tel. No.
2. Address (No., St. & City): 12270 Nebraska, WLA
3. Business (Manufacturing shoes, building construction, retailing men's clothes, etc.)
4. EMPLOYEE (First name, middle initial, last name): Rueben Guzman Tel No. [redacted]
5. Address (No., St. & City): [redacted]
6. Occupation
7. Date injured
8. Injured at (No., St. & City) County
9. Date of your first examination 8-4-67 Hour 4:15 P M Who engaged your services? Employer
10. Name other doctors who treated employee for this injury: None

Do Not Write In This Space: [redacted]

11. ACCIDENT OR EXPOSURE: Did employee notify employer of this injury? Yes Employee's statement of cause of injury or illness: I was working with plastics on 8-1-67 (~~with a certain chemical~~) and my left arm broke out in a bad rash.

no chemical

12. NATURE AND EXTENT OF INJURY OR DISEASE (Include all objective findings, subjective complaints, and diagnoses. If occupational disease state date of onset, occupational history, and exposures.)

Erythema, bullae (blisters) volar and dorsal aspect of left arm lower third.

DIAGNOSIS: Acute dermatitis contact with blistering.

13. X-rays: By whom taken? (State if none) none
Findings:

14. Treatment: Examined; Neosynalar .01% apply with sterile dressing.
15. Kind of case (Office, home, or hospital) Office If hospitalized, date Estimated stay
Name and address of hospital
16. Further treatment (Estimated frequency and duration) 1-2 weeks
17. Estimated period of disability for: Regular work none Modified work none
18. Describe any permanent disability or disfigurement expected (State if none) none.
19. If death ensued, give date
20. REMARKS (Note any pre-existing injuries or diseases, need for special examination or laboratory tests, other pertinent information)

Name [redacted]

PERSONAL SIGNATURE OF DOCTOR

Date of report 8-4-67 Address (No., St. & City) [redacted]

Use reverse side if more space required

[redacted]

76C352-9 53-P

STATUS CHANGE

☐ MAKE CHANGE (S) AS INDICATED BELOW

☒ CANCEL ENTIRE ACCOUNT (Reason below must be completed and signed)

ACCOUNT NUMBER	BUS CO
492 844	101

CHANGE TO

OWNER(S) NAME	
DBA NAME	
MAIL ADD	
BUS ADD	
OTHER	Code Fee

REASON FOR CANCELLATION OR CHANGE. Use Account Number (s)	ADDITIONAL COLLECTIONS	
out of business; [redacted] Corporation	Additional Fee	
Plaskon Electronic Materials	Addition of Partner	
12270 Nebraska Ave.	Duplicate License	
[redacted] Angeles, CA 90025	Site Transfer	
[redacted] 13 2/25/91	Total	

Representative's Signature — District Code — Date [redacted]

DISPLAY THIS RECOR

COUNTY OF LOS ANGELES

TO AVOID A PENALTY — PAYMENTS SHOULD BE MAILED WITH THIS NOTICE NOT LATER THAN 30 DAYS FROM DATE OF ISSUE

MAKE CHECKS PAYABLE AND MAIL TO: L.A. COUNTY TREASURER TAX COLLECTOR
P.O. Box 54978
Los Angeles, CA 90054-0978

ISSUE DATE 07-01-

ANNUAL BILL NOTICE OF PUBLIC HEALTH LICENSE FEE DUE

[redacted]

Not here anymore. Current bus non-gen. DWP-

PLASKON ELECTRONIC MATERIALS
12270 NEBRASKA AVE
LOS ANGELES CA 90025

PRIOR FEE DUE
CURRENT FEE DUE [redacted]

PAY THIS AMOUNT

TYPE OF BUSINESS HAZARDOUS WASTE CTRL (20-1

SIC-NO SIC2821

LOCATION 12270 NEBRASKA AVENUE LA [redacted]

[redacted] JUL 13

There will be a $10.00 service charge for any check returned by the bank any reason. Additional penalties may apply and your license may be cancell

IF YOU ARE THE NEW OWNER OF THIS BUSINESS, DO NOT PAY THIS BILL. COMPLETE REVERSE SIDE AND RETURN FORM TO US. YOU MUST CONTACT YOUR LOCAL HEALTH DEPARTMENT FOR A NEW HEALTH LICENSE OR PERMIT.

RETURN THIS NOTICE WITH PAYMENT

COUNTY OF LOS ANGELES

ISSUE DATE 07-01-

ANNUAL BILL NOTICE OF PUBLIC HEALTH LICENSE FEE DUE
900831

1010 492844 JUL 13

[redacted]

PLASKON ELECTRONIC MATERIALS
12270 NEBRASKA AVE
LOS ANGELES CA 90025

PRIOR-FEE-DUE
CURRENT FEE DUE [redacted]

PAY THIS AMOUNT

SIC-NO SIC2821

☒ [redacted]

COMPLETE REVERSE SIDE BEFORE RETURNING

COUNTY OF LOS ANGELES

DEPARTMENT OF THE TREASURER AND TAX COLLECTOR

License Section

DETACH AND SEND THIS UPPER PORTION WITH YOUR PAYMENT

320 W. TEMPLE STREET, ROOM 1165
P.O. BOX 54978 TERMINAL ANNEX
LOS ANGELES, CALIFORNIA 90054-0978
(213) 974-0093, (213) 974-2011

SANDRA M. DAVIS
TREASURER AND TAX COLLECTOR

1010 492844 JUL 901116
[redacted]
PLASKON ELECTRONIC MATERIALS
12270 NEBRASKA AVE
LOS ANGELES CA 900250000

TOTAL FEE DUE WITH PENALTY ➡ $ [redacted]

HAZARDOUS WASTE CTRL
12270 NEBRASKA AVENUE LA 13 SIC.NO. SIC2821

[redacted]

NOTICE OF ENFORCEMENT

1010 492844 JUL 901116
HAZARDOUS WASTE CTRL (20-100)
[redacted]
PLASKON ELECTRONIC MATERIALS
12270 NEBRASKA AVE
LOS ANGELES CA 900250000

TOTAL FEE DUE WITH PENALTY ➡ $ [redacted]

LOCATION OF BUSINESS BEING CITED

12270 NEBRASKA AVENUE LA 13 SIC.NO. SIC2821

FINAL NOTICE BEFORE LEGAL ACTION

You are hereby notified that unless payment of your annual Public Health License or Operating Permit fee is received on or before NOV 16,1990 , legal proceedings will be instituted.

If payment was made after OCT 05,1990 please disregard this notice.

If payment was made on or before the above date, please call (213) 974-0093, 974-2011.

AUTHORITY FOR ENFORCEMENT: Public Health Ordinance No. 8609

Section 19.2. If the fee and penalty as described in Section 19 of this Ordinance is not paid within ninety days after the delinquency date, a certificate of lien may be recorded against the licensee or permittee as authorized by Section 510.7 of the Health and Safety Code and additional costs will be imposed.

Section 27551 of the Health and Safety Code states in part that "a food facility shall not be open for business without a valid permit". Operating a food facility without a valid permit will result in a separate enforcement action by the Health Department.

To avoid this action, payment of the above amount must reach this office by the date stated above. Please use the enclosed reply envelope together with the upper portion of this notice to ensure dismissal of proceedings.

If you are no longer the owner of this business or if you are the new owner, contact your local Environment Health Department office to cancel or apply for a new Public Health License/Permit.

NOTE: THERE WILL BE A $10.00 SERVICE CHARGE FOR ANY CHECK RETURNED BY THE BANK FOR ANY REASON.

04684

LOS ANGELES COUNTY

TREASURER & TAX COLLECTOR

SEE REVERSE SIDE

76H371D (REV. 1/89)

NONDELIVERABLES

PHL #	O/B (del)	Moved to Unk. (del.)	Moved To:	Sold (del)	New PHL	Other (D?)
492844-14	✓	2/25/91	Notified on PHL Delinquent Register 4/16/91 [illegible]			

SIC.

HAZARDOUS WASTE CONTROL PROGRAM

DATE: 8-22-88

COMPANY NAME	STREET	CITY & ZIP	DISTRICT
PLASKON ELECTRONIC MATERIALS	12270 NEBRASKA AVE.	West L.A. 90025	SW

OWNER [redacted] NO. EMPLOYEES

L.A. CO. PHL NO.	INDUSTRIAL WASTE NO.	EPA NO.
492844 - 101		CAD 008375487

SAFETY SHOWER YES
EATING AREA YES
TOILET & WASHING FACILITIES ADEQUATE YES
PLANT SANITATION ADEQUATE YES

TYPE OF FACILITY & DESCRIPTION OF OPERATION/PRODUCTS:
MFG. ELECTRONIC MOLDING COMPOUNDS (PLASTICS)

PROCESS	MATERIAL	HAZARDOUS WASTE TYPE	VOL/LBS	STORAGE METHOD	DISPOSAL METHOD	MANIFEST	CONTROL	I.H. HAZARD
	EPOXYS PHENOLS DIALLYTHPHALLATE	(DAP)		Dust Collectors →	Reuse much of the material			
Flake Process →	(DAP Flake)					8-5-88		
Cleaned	w/ ACETONE →	reused in granular DAP				① - 55 gal. drum OSCO		
Lubricating Machines & metal working →	oils & greases			1 drum / 6 months	OSCO CHEM-WASTE MGT.			
FORK LIFT SERVICING	oily absorbant / gloves			→		① drum 350 lbs. 3/8/88 6 drums H.W. Solid NOS 2/4/88		

NUMBER OF UNDERGROUND STORAGE TANKS:
VOLUME & TYPE OF WASTE IN UNDERGROUND TANK(S):
PRIVATE DISPOSAL SYSTEMS ON PREMISES: YES ___ NO ✓

ACCESS TO STORM INLET ON PREMISES: Yes ✓ No ___
CHLORINATED HYDROCARBON USED: YES ✓ NO ___
SEWER CONNECTION ON PREMISES: YES ✓ NO ___

REMARKS: Seem to be very knowledgable about the laws & in compliance.
(MANDIRA SIMENTAL)

VIOLATIONS:

[redacted]

76L268-

LOS ANGELES COUNTY LETTERGRAM

TO	L.A. County Tax Collector	FROM	COUNTY OF LOS ANGELES DEPARTMENT OF HEALTH SERVICES OCCUPATIONAL HEALTH DIVISION HAZARDOUS WASTE CONTROL PROGRAM 2615 S. Grand Avenue - Room 607 LOS ANGELES, CALIFORNIA 90007

Subject

Date 8-30-88

No.

There has been no change at this business.
Bill has been paid by Plaskon Electronic Materials.
Why was this returned to the Hazardous Materials Section? [redacted]

RETURN THIS NOTICE WITH PAYMENT

ANNUAL BILL

COUNTY OF LOS ANGELES
NOTICE OF PUBLIC HEALTH LICENSE FEE DUE

1010 492844 JUL

[redacted]

PLASKON ELECTRONIC MATERIALS
12270 NEBRASKA AVE
LOS ANGELES CA90025

SIC-NO.SIC2821

07-01-88 DATE OF ISSUE
06-30-89 EXPIRATION DATE

AMOUNT DUE [redacted]

☒ [redacted]

COMPLETE REVERSE SIDE BEFORE RETURNING

COUNTY OF LOS ANGELES • DEPARTMENT OF HEALTH SERVICES

313 NORTH FIGUEROA STREET • LOS ANGELES, CALIFORNIA 90012 • (213) 974-

Reply refer to:
2615 S. Grand Ave., Rm. 607
Los Angeles, CA 90007
Tel. (213) 744-3235

DATE: 12-15-86

TO: [redacted] ADDRESS: 12270 Nebraska Ave. L.A. 25

SUBJECT: Hazardous waste ADDRESS: " " "

In order to comply with the State Health and Safety Code/California Administrative Code, you are directed to take the following actions marked below:

(X) 1) Discontinue immediately the disposal of hazardous wastes (Rags Containing Solvent Hazardous material / waste) to unauthorized locations (Trash Can

____ 2) Discontinue immediately the transport of hazardous wastes ( ) off site except by a registered hazardous waste hauler, unc manifest and to a State Health Department permitted facility.

____ 3) Remove and legally dispose by _____, all hazardous wastes/contamina materials discharged to/stored at _____. (NOTE: ALL hazardous waste transported off site by vehicle must be transported under Hazardous Waste Manifest, by a State Health Department registered hauler).

____ 4) Provide this office by _____, a site assessment and decontamination plan for the above subject contaminated area (Use the Site Characterization Mitigat Form available from this office).

____ 5) Provide this office by _____, a photo copy of the completed manife receipt used to dispose of _____

(X) 6) Store by Forth with, all hazardous waste in non-leaking, properl labeled and dated containers with tight fitting lids. Acetone, waste oil, other...

____ 7) Discontinue the storage of hazardous waste/treatment of hazardous waste for longer than _____ without written permission from the State Departmen of Health Services (213) 620-2380.

(X) 8) Maintain copies of all hazardous waste manifests and receipts of the above subject facility for agency review.

____ 9) Obtain an EPA Number from the State Department of Health Services (916) 324-1781 prior to transport of any hazardous waste off site.

(X) 10) Provide this office by 2-30-87, a copy of a hazardous materials contingency plan and employee training plan for the above subject facility pursuant to California Administrative Code, Title 22, Articles 19 and 20, and Section 67105.

(X) 11) Additional Requirements: Note: (1) All floor ~~[illegible]~~ Sweeping if not re-used in MEG The Products, must be disposed of as Hazardous waste unless proven other wa (2) Rag used for cleaning equipment Containing Solvent and other Hazardous material can not be disposed into Trash Can. use Rag service or manifest the Rags as Hazardous waste (3) Any Sludge/generated from Cooling Tower must be disposed of as Hazardous waste unless proven/Scale otherwise by lab analysis (4) any Resi waste generated from Acetone must be disposed of as Hazardous waste (5) All Drums must be kept closed to eliminate evaporation or acetone drum with y

RECEIVED BY: U.S. Mail HEALTH OFFICER: Nourishead 74
HAZARDOUS WASTE CONTROL PR

SIC. 2821

HAZARDOUS WASTE CONTROL PROGRAM

DATE: 12-1-0 0

COMPANY NAME	STREET	CITY & ZIP	DISTRICT
Plaskon Electronic material	12270 Nebraska Ave.	L.A. 25	S.W.

OWNER	PERSON INTERVIEWED & TITLE	PHONE NO.	NO. EMPLOYEES
[redacted] Malcolm Riddell Pres.	[redacted]	[redacted] EMERGENCY NO.	25

L.A. CO. PHL NO.	INDUSTRIAL WASTE	EPA NO.
	W 442244	[redacted]

SAFETY SHOWER yes

EATING AREA yes

TOILET & WASHING FACILITIES ADEQUATE

PLANT SANITATION ADEQUATE

TYPE OF FACILITY & DESCRIPTION OF OPERATIONS/PRODUCTS:

Plastic molded Compounds

PROCESS	MATERIAL	HAZARDOUS WASTE TYPE	VOL/LBS	STORAGE METHOD	DISPOSAL METHOD	MANIFEST	& CONTROL	I.H. HAZARD

NUMBER OF UNDERGROUND STORAGE TANKS: 1

VOLUME & TYPE OF WASTE IN UNDERGROUND TANK(S): Acetone 8000g

PRIVATE DISPOSAL SYSTEMS ON PREMISES; YES ___ NO ✓

ACCESS TO STORM INLET ON PREMISES: Yes ✓ No ___

CHLORINATED HYDROCARBON USED: YES ___ NO ___

SEWER CONNECTION ON PREMISES: YES ___ NO ✓

REMARKS: Cooling Tower
Boiler

VIOLATIONS:

Plastic molding Company

Silicone 200-oil Dielectric strength → 29/year added to waste oil

Liquid Nitrogen for ~~testing~~ equipment is used

~~Aerosil~~ Material used

Aerosil - ~~[illegible]~~ Silica
Fused Silica Sand
Clay
Antimony oxide
Alumina
Epoxy Resins in solid form
Fiber glass
Novacite - filler

Silane 8187
Diallyl Phthalate Monomer
Silane 8172
Glycol

Catalyst
Dicumyl Peroxide
Luper sol 331-80B
" PDO
" 101
TBPB
organic peroxide

Color Pigment
Possibly All

Bag house Collection dust - is reused in The Pro
Containers are put in trad - Finest Rinsed w/ Acetone.
~~Xylene~~
SILANE
DAD Momomer
Sinc Stearate

SIC.

HAZARDOUS WASTE CONTROL PROGRAM

DATE:

COMPANY NAME	STREET	CITY & ZIP	DISTRICT
OWNER	PERSON INTERVIEWED & TITLE	PHONE NO. EMERGENCY NO.	NO. EMPLOYEES

L.A. CO. PHL NO.	INDUSTRIAL WASTE NO.	EPA NO.

TYPE OF FACILITY & DESCRIPTION OF OPERATIONS/PRODUCTS:

SAFETY SHOWER _____
EATING AREA _____
TOILET & WASHING FACILITIES ADEQUATE _____
PLANT SANITATION ADEQUATE _____

PROCESS	MATERIAL	HAZARDOUS WASTE TYPE	VOL/LBS	STORAGE METHOD	DISPOSAL METHOD	MANIFEST	% CONTROL	I.H. HAZARD

NUMBER OF UNDERGROUND STORAGE TANKS:
VOLUME & TYPE OF WASTE IN UNDERGROUND TANK(S):
PRIVATE DISPOSAL SYSTEMS ON PREMISES: YES ___ NO ___

ACCESS TO STORM INLET ON PREMISES: Yes ___ No ___
CHLORINATED HYDROCARBON USED: YES ___ NO ___
SEWER CONNECTION ON PREMISES: YES ___ NO ___

REMARKS:

VIOLATIONS;

Kerosen - 2. used 1D / 2 year → added to oil

Shell 30 wt oil - for fork lift

Grease — for lubricating oil → waste oil

Hydrolic oil - Shell, mobil for bl. hydrolic injection mdn

Gear oil

Extra heavy oil, heat transfer fluid

→ waste oil

↓

oil & solvent Process

1D / 90 days

Boiler treatment chemical →

7301
7200
7300 added to Boiler

water from Boiler goes to Sewer

Die Hydroxyethanol
Sodium sulfite
Sodium hydroxide

Acetone Drum

Cooling tower Sludge

Cooling Tower

WS-166 sodium dichromate di.
CT 603
potassium hydroxide

HAZARDOUS WASTE CONTROL PROGRAM

SIC. 2821			
COMPANY NAME: Polskon Electronic Material	STREET: 12270 Nebraska	CITY & ZIP: L.A. 25	DISTRICT: S.W.
OWNER: [redacted]		PHONE NO.	NO. EMPLOYEES: 25

L.A. CO. PHL NO.	INDUSTRIAL WASTE NO.	EPA NO.
492844-100	W 442244	[redacted]

SAFETY SHOWER: yes
EATING AREA: yes
TOILET & WASHING FACILITIES ADEQUATE: ok
PLANT SANITATION ADEQUATE: OK

TYPE OF FACILITY & DESCRIPTION OF OPERATION/PRODUCTS: Plastic Molded Compounds

PROCESS	MATERIAL	HAZARDOUS WASTE TYPE	VOL/LBS	STORAGE METHOD	DISPOSAL METHOD	MANIFEST	CONTROL	I.H. HAZARD
MFG Plastic molding Compounds	Silicon 200-oil 25/Y liquid nitrogen/Y	(1)						
	Aerosil - silica	→ Dust generated from mixing Blending materials is accumulated in the Bag house & The material is reused to make Product					Baghouse	
	Fused Silica Sand							
	Clay							
	Antimony oxide	(2)						
	Color Pigments	→ Floor Sweeping is also Collected & used in MFG Product						
	Aluminum							
	Epoxy Resin	→ (3) oil + Kerosen - hauled off 1D/90 day oil & solvent Process						
	Fiber glass							
	Novacate filler	→ Rag → Trash → Rag services advised						
	Silica 8187	→ Aceton waste is generated from cleaning equipment but is let to settle & Recycled Continuously						
	Diallyl Phthalate							
	Silane 8172							
	Glycol	→ Cooling tower flushed to sewer						
	Diamyl Peroxide	OVER						
	Lupersol 331-80B "organic peroxide"							

material used
Kerosen 1D/2Y
Shell oil - for forklift
lubricating grease
Hydrolic oil
heat transfer fluid
Aceton 4 D/Y

NUMBER OF UNDERGROUND STORAGE TANKS: (1)
VOLUME & TYPE OF WASTE IN UNDERGROUND TANK(S): Aceton 8000g
PRIVATE DISPOSAL SYSTEMS ON PREMISES: YES ___ NO ✓

ACCESS TO STORM INLET ON PREMISES: Yes ___ No ___
CHLORINATED HYDROCARBON USED: YES ✓ NO ___
SEWER CONNECTION ON PREMISES: YES ✓ NO ___

REMARKS:

VIOLATIONS:

Acetone & Disposable Rag 5g/week

floor sweeping → into material

Boiler Treatment

material added to Boiler

Diethyl aminoethanol
Sodium Sulfite
Sodium hydroxide

Cooling Tower Treatment

S - 166 Sodium di Chromate
C + 603 Potassium hydroxide

COMPANY NAME Plaskon Products Inc	STREET 12270 Nebraska	CITY & ZIP LA 90025	DISTRICT West
OWNER [redacted]			NO. EMPLOYEES 23

L.A. CO. PHL# 093530-101	INDUSTRIAL WASTE NO. AQMQ, IW	EPA NO. Yes

TYPE OF FACILITY & DESCRIPTION OF OPERATION/PRODUCTS:
TYPE. Mfg plastic molding compd.

SAFETY SHOWER Yes
EATING AREA Yes
TOILET & WASHING FACILITIES ADEQUATE: Yes
PERSONNEL PROTECTIVE DEVICES ADEQUATE: Yes
PLANT SANITATION ADEQUATE Yes

PROCESS	MATERIAL	CONTROL	I.H. HAZARD	HAZARDOUS WASTE TYPE	VOL/LBS.	STORAGE METHOD	DISPOSAL METHOD	MANIFEST INF
Store room	see list						Plant Mgr. Jack Carlyle	
grinding towel	oil 400gal/yr			waste oil drum		recycler	Davis Chemo Call for inf. 1550 N Bonnie Beach Pl LA 90063	
Ball Mill				scrap compd		trash	BKK	Ernie Davis
Dust collector				dust		recycler on plant	see manifest	269-6961
Mixer (7)								
Mills → powder to sheet forms			Acetone used (no waste)					
Blender			Coolant (water)			cooling tower	recycle within plant	
QC test press → Oil				waste oil		recycler as above		
Maintenance shop	Kerosine 55gal/3yr			waste oil drum				
	SSR Coolant 5gal/3mth			waste oil drum				
	oil							
(over)	Alkaline 7200 (water treatment) 1 - sump (catalyst) 1 - 7500 gal acetone							

NUMBER OF UNDERGROUND STG TANKS
VOLUME & TYPE OF WASTE IN UNDERGROUND TANK:
PRIVATE DISPOSAL SYSTEMS ON PREMISES: YES NO

ACCESS TO STORM DRAIN INLET ON PREMISES: YES ✓ NO
CHLORINATED HYDROCARBON USED: YES NO ✓
SEWER CONNECTION ON PREMISES: YES ✓ NO

REMARKS: ① Advise on recycling scrap compd, label & protect waste drums.
② The plant don't operate on Friday 12-17-84 Talk to Mgr Mr Carlyle about quantity of waste [redacted]

VIOLATIONS:

COUNTY OF LOS ANGELES DEPARTMENT OF HEALTH SERVICES
PREVENTIVE/PUBLIC HEALTH
ENVIRONMENTAL MANAGEMENT

District WEST

Sanitarian

PLASKON PRODUCTS INC
12270 NEBRASKA AVE
LOS ANGELES CA 90025

MENT

Type Est. 2821

Health Lic. No. 093530 - 101

Trade N[redacted] Address Phone [redacted]

Owner [redacted] Address Phone

Manager Address Phone

No. Bldgs. Type Bldg. No. Vending Mach. No. Employees 23 10

Date & Initials	12/14/84														
CONDITION Poor															
CONDITION Fair															
CONDITION Good	01														
CONDITION Excellent															
Number of Violations	0														
Dates to Abate															

Delete New PH2 158 next.

H-769 (1-66)
76M467- PS 12 82

PLEASE PRINT

COUNTY OF LOS ANGELES – PUBLIC HEALTH LICENSE APPLICATION

ACCT. 492844

TODAY'S DATE 11-17-86 DL # _____

DATE BUSINESS STARTED 07 01 85 (MO DAY YR)

OWNER(S) NAME(S) [redacted]
LAST, FIRST AND MIDDLE INITIAL

BUSINESS CODE 101

PARTNER(S)
LAST, FIRST AND MIDDLE INITIAL

DOING BUSINESS AS - TRADE NAME PLASKON ELECTRONIC MATERIALS

DISTRICT CODE 13

BUS. ADDRESS 12270 (BEGINNING NO.) ENDING NO. FRACTION DIR NEBRASKA (STREET)
AVENUE LA (CITY) 90025 (ZIP CODE)

MAILING ADDRESS 12270 NEBRASKA AVE (NUMBER AND STREET)
LOS ANGELES (CITY) CA (STATE) 90025 (ZIP CODE)

TYPE OF BUSINESS TO BE LICENSED Hazardous Waste Generator

~~VEH. LICENSE NO./ NO. OF VEHICLES~~ SIC # 2821

PHONE [redacted]

SIGNATURE OF APPLICANT [redacted]

FOR TAX COLLECTORS USE

CURRENT FEE $	
PRORATION $	
PENALTY $	
PRIOR YEAR FEE $	
PRIOR YEAR PEN $	
PAY-TOTAL FEE DUE $	

ia—Health and Welfare Agency

STANCES CONTROL DIVISION

street
to, CA 95814

UNIFORM HAZARDOUS WASTE MANIFEST

FORM NO. DHS-8022A 3-84

Department of Health Se

58130

STATE ID NUMBER 83774802

print or type with ELITE type (12 characters per inch)

TO BE FILLED IN BY GENERATOR

GENERATOR NAME AND MAILING ADDRESS

C X E

12270 NEBRASKA AVE
LOS ANGELES, CA 90025

AREA CODE/PHONE NUMBER

MANIFEST DOCUMENT NUMBER

EPA ID NUMBER CAD 009 172 446

TRANSPORTER NO. 1 NAME AND MAILING ADDRESS

[redacted]

VEH./CONTAINER NO. 141 K431 EPA ID NUMBER CAD 040 373 7

TRANSPORTER NO. 2/ALTERNATE TSD FACILITY

VEH./CONTAINER NO. EPA ID NUMBER

AREA CODE/PHONE NUMBER

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY

B. K. LANDFILL

AREA CODE/PHONE NUMBER (213)965-0911

EPA ID NUMBER CAD 167 726

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS	UN/NA NUMBER	TOTAL QUANTITY	UNIT WT/VOL	CONTAINER NO.	CONTAINER TYPE	WASTE CAT NO
Mixture, Material in hazardous classification contains barium carbonate (D005).		7680	P		CY	

COMPONENTS	CONC. RANGE UPPER	CONC. RANGE LOWER	UNIT %
BARIUM CARBONATE	2.0	0.0	X
ANTIMONY OXIDE	5.0	0.0	X
PIGMENTS	4.0	0.0	X
DICUMYL PEROXIDE	1.5	0.0	X
TERTIARY BUTYL PEROXIDE	1.5	0.0	X

SPECIAL HANDLING INSTRUCTIONS

This is to certify that the above-named wastes are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable requirements of the Department of Transportation and the EPA

Printed or typed full name and signature

MO. DAY

☐ Check if continuation sheet is used. Number of continuation sheets

TO BE FILLED IN BY TRANSPORTER

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES

DANIEL A. AGAJANIAN

Printed or typed full name and signature

DATE REC'D & ACCEPTED MO. DAY

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES

Printed or typed full name and signature

DATE REC'D & ACCEPTED MO. DAY

TO BE FILLED IN BY TSDF

DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous waste covered by this manifest except as noted in the discrepancy indication space above. N[redacted]aste number
See instructions.

EPA ID NUMBER

DATE RECEIVED & ACCEPT MO. DAY

Printed or typed full name and signatu[redacted]

TSDF RETAINS

PROCESS LOCATION OR STORAGE LOCATION	TYPE OF HAZARDOUS MATERIALS	MAX QUANTITY IN USE LBS, GAL, ETC.	MAX QUANTITY IN STORAGE LBS, CAL, ETC.	CLASS FLAM LIQUI
nderground Storage Tank utside drum storage	Acetone	75 gal.	7500 gal.	A
aw Material Warehouse	Dapon Resin	6000 lbs.	80,000 lbs.	
" " "	Dicup R	10 lbs.	550 lbs.	
" " "	Silane	20 lbs.	800 lbs.	
" " "	DMP-30	40 lbs.	120 lbs.	
Catalyst Pit	T.B.P.	25 lbs.	2000 lbs.	
" "	t-butyl Peroxy-2-ethylhexanote 50% in DOP	25 lbs.	2000 lbs.	
" "	Dicup R	-0-	3300 lbs.	
COVERED ~~Outside~~ Diked Area	Oil (Lubricating & Hyd)	400 lbs.	4000 lbs.	
Outside - (Near Boiler)	Mogul Water Treatment	5 lbs.	700 lbs.	
Outside Restricted Area	Propane Gas	5 gal.	50 gal.	
Outside Restricted Area	Acetylene Gas	1 cylinder	5 cylinders	
" " "	Oxygen Gas	1 cylinder	2 cylinders	

1/30/84 Reported to P. Vonils - no changes - new form not necessary.

IN CASE OF ANY TYPE EMERGENCY, IMMEDIATELY CALL FIRE DEPARTMENT

I hereb[redacted] or process of hazardous materials in this bu[redacted]ed to quantity as indicated above.

Signature..... [redacted] .....Date 12-8-81

HAZARDOUS MATERIAL DEFINITIONS (brief)

AIR REACTIVE MATERIAL — Any material which will ignite spontaneously in contact with air.

COMBUSTIBLE MATERIALS — Liquids with a flash point of 150° F. or above and other materials which ignite and actively support combustion when exposed to an environmental temperature of 1500° F. for a period of not less than 5 minutes.

CORROSIVE MATERIAL — Solids, liquids or gases which can damage living tissue or cause fire.

EXPLOSIVE MATERIAL — Any compound which is classed as an A, B, or C Explosive.

OXIDIZING MATERIALS — Any element or compound which yields oxygen or reacts when subjected to water, heat or fire conditions.

TOXIC MATERIALS — Gases, liquids or solids which may create a hazard to life by ingestion, inhalation, etc., under fire conditions.

UNSTABLE MATERIALS — Those materials which react from heat, shock, friction, contamination, etc., and which are capable of violent decomposition or auto reaction, but which are not designed primarily as an explosive.

WATER REACTIVE MATERIAL — React violently or [illegible] water or moisture.

OTHER MATERIALS — Indicate any material of which you are in doubt as to proper classification.

FLAMMABLE LIQUIDS AND MATERIALS — Gases, liquefied gases, liquids, dusts, fibers, or other materials which are flammable. (57.02 or 91.1005 of the L. A. M. C.)

FLAMMABLE LIQUID — Any liquid having a flash point below 150° F. and a vapor pressure not greater than 27 psi (absolute) at 100° F. Flammable liquids shall be divided into four classes as follows:

CLASS A — Flammable liquids having a flash point below 70° F. and a vapor pressure greater than 14.7 psi (absolute) but not greater than 27 psi (absolute) at 100° F.

CLASS B — Flammable liquids having a flash point below 70° F. and a vapor pressure not greater than 14.7 psi (absolute) at 100° F.

CLASS C — Flammable liquids having a flash point of 70° F. or greater but less than 100° F.

CLASS D — Flammable liquids having a flash point of 100° F. or greater but less

Department of Toxic Substance Control
(DTSC)
12210 ½ Nebraska Ave (Adjoining Property)

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
ENVIROSTOR

Tools | Reports | Community Involvement | How to Use EnviroStor | ESI | DTSC Web

12210 1/2 NEBRASKA AVENUE PROPERTY (60001101)

SIGN UP FOR EMAIL ALERTS

12210 1/2 NEBRASKA AVENUE
LOS ANGELES, CA 90025
LOS ANGELES COUNTY
SITE TYPE: VOLUNTARY CLEANUP

OFFICE: CLEANUP CHATSWORTH
CENSUS TRACT: 6037267600
CALENVIROSCREEN PERCENTILE SCORE: 56-60%

Summary | Activities | Site/Facility Docs | Map | Related Sites | CalEnviroScreen

Site Information

CLEANUP STATUS
REFER: RWQCB AS OF 5/27/2010

SITE TYPE: VOLUNTARY CLEANUP
NATIONAL PRIORITIES LIST: NO
ACRES: 1.5 ACRES
APN: 4259-018-002, 4259018002
CLEANUP OVERSIGHT AGENCIES:
DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY

ENVIROSTOR ID: 60001101
SITE CODE: 301413
SPECIAL PROGRAM: VOLUNTARY CLEANUP PROGRAM
FUNDING: SITE PROPONENT
ASSEMBLY DISTRICT: 50
SENATE DISTRICT: 26

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
AEROSPACE MANUFACTURING/MAINTENANCE

POTENTIAL CONTAMINANTS OF CONCERN
CHLOROFORM
TRICHLOROETHYLENE (TCE)

POTENTIAL MEDIA AFFECTED
AQUIFER USED FOR DRINKING WATER SUPPLY AFFECTED, INDOOR AIR, SOIL, SOIL VAPOR

Site History

The subject site and the adjacent site to the north, addressed as 12210 Nebraska Avenue, are approximately 1.5 acres in area consisting of two buildings occupying about ½ the property. The remainder of the property is made up of an adjacent parking lot. Current on-site activities include an architect's office in the older building to the north (12210 Nebraska Avenue) and a motion picture editing studio in the building to the south (12210 ½ Nebraska Avenue), neither of which is associated with activities which are expected to lead to environmental contamination. Both sites were used for a variety of activities which may have lead to releases of hazardous materials, including manufacturing aircraft seats and electronics from approximately 1950s-1970s, and prior to this period, agriculture. The available history of chemicals used on-site is minimal. The building to the south (12210 ½ Nebraska) was constructed after this period, in the mid 1980s, and hazardous chemicals have reportedly not been used on-site since construction.

Sampling has identified several volatile organic compounds (VOCs) in soil, soil-gas and groundwater, the most significant being trichloroethylene (TCE) and chloroform. Groundwater is present at approximately 40-ft bgs and is contaminated with TCE concentrations as high as 260 ug/L. Other chemicals of potential concern (COPCs) were not analyzed for soil or groundwater except a single soil-matrix sample for metals and total petroleum hydrocarbons (TPH).

Due to proponent"s failure to comply with the VCA terms, the VCA was terminated on 5/13/2010 and the Site was referred to the Los Angeles Regional Water Quality Control Board.

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12210 1/2 NEBRASKA AVENUE PROPERTY (60001101)

SIGN UP FOR EMAIL ALERTS

12210 1/2 NEBRASKA AVENUE
LOS ANGELES, CA 90025
LOS ANGELES COUNTY
SITE TYPE: VOLUNTARY CLEANUP

OFFICE: CLEANUP CHATSWORTH
CENSUS TRACT: 6037267600
CALENVIROSCREEN PERCENTILE SCORE: 56-60%

Summary | Activities | Site/Facility Docs | Map | Related Sites | CalEnviroScreen

Completed Activities

TITLE	DOCUMENT TYPE	DATE COMPLETED	COMMENTS
Case Transfer Letter to LA Water Quality Control Board	Correspondence	3/21/2016	Case Transfer Letter to LA Regional Water Quality Control Board
VCA Termination Letter	Voluntary Cleanup Agreement Termination Notification	5/27/2010	
Interim Remedial Investigation Report	Remedial Investigation Report	5/13/2010	RI was not accepted. VCA Terminated on 5/13/2010. Site referred to Water Board.
VCA Amendment	Amendment - Order/Agreement	12/16/2009	
Interim RI Workplan	Remedial Investigation Workplan	12/7/2009	
Preliminary Environmental Site Assessment; Phase I, II & III	Phase 1	9/16/2009	Documents reviewed. Further action required.
VCA	Voluntary Cleanup Agreement	4/17/2009	VCA signed

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12210 1/2 NEBRASKA AVENUE PROPERTY (60001101)

SIGN UP FOR EMAIL ALERTS

12210 1/2 NEBRASKA AVENUE
LOS ANGELES, CA 90025
LOS ANGELES COUNTY
SITE TYPE: VOLUNTARY CLEANUP

OFFICE: CLEANUP CHATSWORTH
CENSUS TRACT: 6037267600
CALENVIROSCREEN PERCENTILE SCORE: 56-60%

Summary | Activities | Site/Facility Docs | Map | Related Sites | CalEnviroScreen

DOCUMENT DATE RANGE: TO Filter

Completed Activities

HIDE DOCUMENTS > 1 YEAR OLD

TITLE/DESCRIPTION	DOCUMENT TYPE	DATE COMPLETED
Case Transfer Letter to LA Water Quality Control Board	Correspondence	3/21/2016
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Interim RI Workplan	Remedial Investigation Workplan	12/7/2009
Preliminary Environmental Site Assessment; Phase I, II & III	Phase 1	9/16/2009
VCA	Voluntary Cleanup Agreement	4/17/2009

Community Involvement Documents

HIDE DOCUMENTS > 1 YEAR OLD

NO COMMUNITY INVOLVEMENT DOCUMENTS HAVE BEEN UPLOADED TO THIS PROJECT

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12210 1/2 NEBRASKA AVENUE PROPERTY (60001101)

SIGN UP FOR EMAIL ALERTS

12210 1/2 NEBRASKA AVENUE
LOS ANGELES, CA 90025
LOS ANGELES COUNTY
SITE TYPE: VOLUNTARY CLEANUP

OFFICE: CLEAN CHATS
CENSUS TRACT: 603726
CALENVIROSCREEN PERCENTILE SCORE: 56-60%

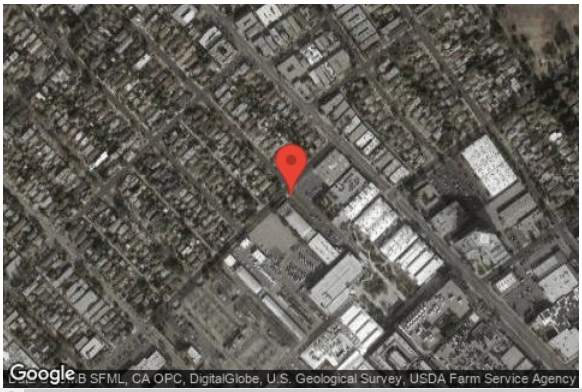
Summary | Activities | Site/Facility Docs | Map | Related Sites | CalEnviroScreen

FOR AN INTERACTIVE MAP, CLICK ON AN IMAGE BELOW

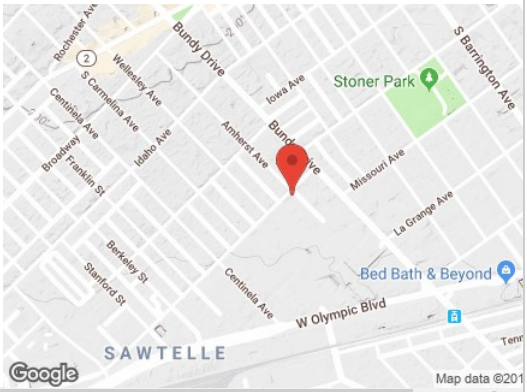
OVERVIEW:

MAP VIEW:

SATELLITE:



TERRAIN:



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South Coast Air Quality Management Division (SCAQMD)
12270 Nebraska Avenue

Information Management
Public Records Unit

Direct Dial (909) 396-3700
Fax:(909) 396-3330

COMPLETION LETTER

August 16, 2018

SUSAN SMITH
DUDEK
3544 UNIVERSITY AVE.
RIVERSIDE, CA 92501

Ref.: CONTROL NO. 96435
Received 8/7/2018

Re: P/O'S, EQL'S, NOV'S, ASBESTOS RECORDS, & COMPLIANCE ISSUES FOR LA DPW/WEST LA DISTRICT HEADQUARTERS, 12270 NEBRASKA AVE., LOS ANGELES, CA.

After a thorough search of this agency's records, the following records were found:
P/O'S & EQL'S FOR LA DPW/WEST LA DISTRICT HEADQUARTERS, 12270 NEBRASKA AVE., LOS ANGELES, CA.

The following records were not found:
NOV'S, ASBESTOS RECORDS, & COMPLIANCE ISSUES FOR LA DPW/WEST LA DISTRICT HEADQUARTERS, 12270 NEBRASKA AVE., LOS ANGELES, CA.

YOUR REQUESTED RECORDS WERE PROVIDED ELECTRONICALLY ON 08/16/2018

If you have any questions, please do not hesitate to contact me, Tuesday through Friday, **8:00 a.m**. to **4:30 p.m.**

Sincerely,

STACEY WALKOWIAK x2383
For COLLEEN PAINE
Public Records Coordinator

:sw

SCAQMD Facility Equipment List Report

Facility: 21406 PLASKON ELECTRONIC MATERIALS INC Status: Out of Business MR: 0303 SIC: 282 Team:
Last Inspection: 05/14/1984 On Hold: Suspended: TS: Quarter: none - do not inspect
Contact: RECLAIM: N TITLE V: N AIRS ID: Assignment:
Location Address: 12270 NEBRASKA AVE, LOS ANGELES 90025-3698 Sector:VM Inspector:
Mailing Address: 12270 NEBRASKA AVE, LOS ANGELES 90025-3698 Sector:VM Inspection Date:
Instruction: Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
117922	M39498	07/19/1984	INACTIVE	21	CCAT	BAGHOUSE	12/05/1983	PERMIT TO OPERATE GRANTED
117923	M39499	07/19/1984	INACTIVE	702750	BCAT	GLASS FIBERS SIZE REDUCTION	12/05/1983	PERMIT TO OPERATE GRANTED
C25321	M18418	07/01/1983	INACTIVE	276650	BCAT	PLASTICS & RESINS, ROLLING	01/01/1900	PERMIT TO OPERATE GRANTED
C25321	M18418	07/01/1983	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
C26599	M18411	07/01/1983	INACTIVE	276100	BCAT	PLASTICS & RESINS BLENDING	01/01/1900	PERMIT TO OPERATE GRANTED
C26599	M18411	07/01/1983	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
C26600	M18405	07/01/1983	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	01/01/1900	PERMIT TO OPERATE GRANTED
C26600	M18405	07/01/1983	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
C25326	M17395	06/01/1983	INACTIVE	236650	BCAT	DIOCTYL PHTHALATE, ROLLING	01/01/1900	PERMIT TO OPERATE GRANTED
C25344	M17810	04/01/1983	INACTIVE	203900	BCAT	STORAGE TANK ACETONE	01/01/1900	PERMIT TO OPERATE GRANTED
C25323	M17802	11/01/1982	INACTIVE	276100	BCAT	PLASTICS & RESINS BLENDING	01/01/1900	PERMIT TO OPERATE GRANTED
C25323	M17802	11/01/1982	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
C25324	M17790	11/01/1982	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	01/01/1900	PERMIT TO OPERATE GRANTED
C25324	M17790	11/01/1982	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
C25325	M17360	11/01/1982	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	01/01/1900	PERMIT TO OPERATE GRANTED
C25325	M17360	11/01/1982	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
C25328	M18414	11/01/1982	INACTIVE	276100	BCAT	PLASTICS & RESINS BLENDING	01/01/1900	PERMIT TO OPERATE GRANTED
C25328	M18414	11/01/1982	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
C25330	M17796	11/01/1982	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	01/01/1900	PERMIT TO OPERATE GRANTED
C25330	M17796	11/01/1982	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
C25334	M17801	11/01/1982	INACTIVE	276100	BCAT	PLASTICS & RESINS BLENDING	01/01/1900	PERMIT TO OPERATE GRANTED
C25337	M17799	11/01/1982	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	01/01/1900	PERMIT TO OPERATE GRANTED
C25337	M17799	11/01/1982	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
C25329	M17806	09/01/1982	INACTIVE	276100	BCAT	PLASTICS & RESINS BLENDING	01/01/1900	PERMIT TO OPERATE GRANTED
C25329	M17806	09/01/1982	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
C25336	M17797	09/01/1982	INACTIVE	276100	BCAT	PLASTICS & RESINS BLENDING	01/01/1900	PERMIT TO OPERATE GRANTED
C25336	M17797	09/01/1982	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
C36253	M24708	05/27/1982	INACTIVE	276100	BCAT	PLASTICS & RESINS BLENDING	01/01/1900	PERMIT TO OPERATE GRANTED
C26602	M18467	11/17/1981	INACTIVE	276100	BCAT	PLASTICS & RESINS BLENDING	01/01/1900	PERMIT TO OPERATE GRANTED
C26603	M18466	11/17/1981	INACTIVE	276850	BCAT	PLASTICS & RESINS SIZE CLASSIFICATION	01/01/1900	PERMIT TO OPERATE GRANTED
C25320	M18419	10/07/1981	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	01/01/1900	PERMIT TO OPERATE GRANTED
C25320	M18419	10/07/1981	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
C25322	M18417	10/07/1981	INACTIVE	276850	BCAT	PLASTICS & RESINS SIZE CLASSIFICATION	01/01/1900	PERMIT TO OPERATE GRANTED
C25327	M18416	10/07/1981	INACTIVE	276100	BCAT	PLASTICS & RESINS BLENDING	01/01/1900	PERMIT TO OPERATE GRANTED
C26601	M18404	10/07/1981	INACTIVE	276100	BCAT	PLASTICS & RESINS BLENDING	01/01/1900	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 21406 PLASKON ELECTRONIC MATERIALS INC Status: Out of Business MR: 0303 SIC: 282 Team:
Last Inspection: 05/14/1984 On Hold: Suspended: TS: Quarter: none - do not inspect
Contact: RECLAIM: N TITLE V: N AIRS ID: Assignment:
Location Address: 12270 NEBRASKA AVE, LOS ANGELES 90025-3698 Sector:VM Inspector:
Mailing Address: 12270 NEBRASKA AVE, LOS ANGELES 90025-3698 Sector:VM Inspection Date:
Instruction: Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
C25332	M17807	07/01/1981	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	01/01/1900	PERMIT TO OPERATE GRANTED
C25332	M17807	07/01/1981	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
C25333	M17805	07/01/1981	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	01/01/1900	PERMIT TO OPERATE GRANTED
C25333	M17805	07/01/1981	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
C25335	M17798	07/01/1981	INACTIVE	276650	BCAT	PLASTICS & RESINS, ROLLING	01/01/1900	PERMIT TO OPERATE GRANTED
C25335	M17798	07/01/1981	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
C25340	M17804	07/01/1981	INACTIVE	276100	BCAT	PLASTICS & RESINS BLENDING	01/01/1900	PERMIT TO OPERATE GRANTED
C25340	M17804	07/01/1981	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
C25341	M17803	07/01/1981	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	01/01/1900	PERMIT TO OPERATE GRANTED
C25341	M17803	07/01/1981	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
C25342	M17791	07/01/1981	INACTIVE	276100	BCAT	PLASTICS & RESINS BLENDING	01/01/1900	PERMIT TO OPERATE GRANTED
C25342	M17791	07/01/1981	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
C25343	M17800	07/01/1981	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	01/01/1900	PERMIT TO OPERATE GRANTED
C25343	M17800	07/01/1981	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
C26597	M18412	06/15/1981	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 45149 PLASKON ELECTRONIC MATERIALS INC Status: Out of Business MR: 0404 SIC: 308 Team:
Last Inspection: 03/06/1989 On Hold: Suspended: TS: Quarter: none - do not inspect
Contact: RECLAIM: N TITLE V: N AIRS ID: Assignment:
Location Address: 12270 NEBRASKA AVE, LOS ANGELES 90025 Sector:VM Inspector:
Mailing Address: 12270 NEBRASKA AVE, LOS ANGELES 90025 Sector:VM Inspection Date:
Instruction: Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
164791				276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	01/07/1988	APPLICATION CANCELLED, KEEP FILING FEES
164791				21	CCAT	BAGHOUSE	01/07/1988	APPLICATION CANCELLED, KEEP FILING FEES
164792				276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	01/07/1988	APPLICATION CANCELLED, KEEP FILING FEES
164793				276100	BCAT	PLASTICS & RESINS BLENDING	01/07/1988	APPLICATION CANCELLED, KEEP FILING FEES
142203				276540	BCAT	PLASTICS & RESINS PACKAGING	03/11/1986	APPLICATION CANCELLED, REFUND ALL FEES
142199				276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142199				26	CCAT	DUST COLLECTOR CARTRIDGE TYPE	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142200				276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142201				21	CCAT	BAGHOUSE	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142202				276450	BCAT	PLASTICS & RESINS EXTRUDER	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142202				21	CCAT	BAGHOUSE	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142204				276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142204				21	CCAT	BAGHOUSE	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142205				276850	BCAT	PLASTICS & RESINS SIZE CLASSIFICATION	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142206				276100	BCAT	PLASTICS & RESINS BLENDING	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142206				21	CCAT	BAGHOUSE	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142207				276540	BCAT	PLASTICS & RESINS PACKAGING	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142208				276850	BCAT	PLASTICS & RESINS SIZE CLASSIFICATION	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142209				276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142210				276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142211				276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142212				20	CCAT	DRY FILTER (>500 SQ FT)	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142213				20	CCAT	DRY FILTER (>500 SQ FT)	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142214				276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142214				21	CCAT	BAGHOUSE	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142215				276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142215				21	CCAT	BAGHOUSE	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142219				276100	BCAT	PLASTICS & RESINS BLENDING	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142220				21	CCAT	BAGHOUSE	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142221				21	CCAT	BAGHOUSE	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142222				21	CCAT	BAGHOUSE	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142223				21	CCAT	BAGHOUSE	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142224				276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142224				21	CCAT	BAGHOUSE	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142225				276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 45149 PLASKON ELECTRONIC MATERIALS INC Status: Out of Business MR: 0404 SIC: 308 Team:
Last Inspection: 03/06/1989 On Hold: Suspended: TS: Quarter: none - do not inspect
Contact: RECLAIM: N TITLE V: N AIRS ID: Assignment:
Location Address: 12270 NEBRASKA AVE, LOS ANGELES 90025 Sector:VM Inspector:
Mailing Address: 12270 NEBRASKA AVE, LOS ANGELES 90025 Sector:VM Inspection Date:
Instruction: Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
142225				21	CCAT	BAGHOUSE	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142226				276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142226				21	CCAT	BAGHOUSE	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142227				299150	BCAT	MISC MATERIALS CLEANING	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142228				299150	BCAT	MISC MATERIALS CLEANING	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142229				299150	BCAT	MISC MATERIALS CLEANING	03/11/1986	APPLICATION CANCELLED, KEEP FILING FEES
142216				276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	03/11/1986	APPLICATION CANCELLED, KEEP ALL FEES
142217				276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	03/11/1986	APPLICATION CANCELLED, KEEP ALL FEES
142218				276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	03/11/1986	APPLICATION CANCELLED, KEEP ALL FEES
132003	M45216	08/09/1985	INACTIVE	203900	BCAT	STORAGE TANK ACETONE	04/18/1985	PERMIT TO OPERATE GRANTED
125271	M41849	12/19/1984	INACTIVE	276100	BCAT	PLASTICS & RESINS BLENDING	08/21/1984	PERMIT TO OPERATE GRANTED
125271	M41849	12/19/1984	INACTIVE	21	CCAT	BAGHOUSE	08/21/1984	PERMIT TO OPERATE GRANTED
125272	M41850	12/19/1984	INACTIVE	276650	BCAT	PLASTICS & RESINS, ROLLING	08/21/1984	PERMIT TO OPERATE GRANTED
125272	M41850	12/19/1984	INACTIVE	21	CCAT	BAGHOUSE	08/21/1984	PERMIT TO OPERATE GRANTED
125273	M41851	12/19/1984	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	08/21/1984	PERMIT TO OPERATE GRANTED
125273	M41851	12/19/1984	INACTIVE	21	CCAT	BAGHOUSE	08/21/1984	PERMIT TO OPERATE GRANTED
125274	M41852	12/19/1984	INACTIVE	276850	BCAT	PLASTICS & RESINS SIZE CLASSIFICATION	08/21/1984	PERMIT TO OPERATE GRANTED
125274	M41852	12/19/1984	INACTIVE	21	CCAT	BAGHOUSE	08/21/1984	PERMIT TO OPERATE GRANTED
125275	M41853	12/19/1984	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	08/21/1984	PERMIT TO OPERATE GRANTED
125275	M41853	12/19/1984	INACTIVE	21	CCAT	BAGHOUSE	08/21/1984	PERMIT TO OPERATE GRANTED
125276	M41854	12/19/1984	INACTIVE	276100	BCAT	PLASTICS & RESINS BLENDING	08/21/1984	PERMIT TO OPERATE GRANTED
125276	M41854	12/19/1984	INACTIVE	21	CCAT	BAGHOUSE	08/21/1984	PERMIT TO OPERATE GRANTED
125277	M41855	12/19/1984	INACTIVE	276650	BCAT	PLASTICS & RESINS, ROLLING	08/21/1984	PERMIT TO OPERATE GRANTED
125277	M41855	12/19/1984	INACTIVE	21	CCAT	BAGHOUSE	08/21/1984	PERMIT TO OPERATE GRANTED
125278	M41856	12/19/1984	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	08/21/1984	PERMIT TO OPERATE GRANTED
125278	M41856	12/19/1984	INACTIVE	21	CCAT	BAGHOUSE	08/21/1984	PERMIT TO OPERATE GRANTED
125279	M41857	12/19/1984	INACTIVE	276100	BCAT	PLASTICS & RESINS BLENDING	08/21/1984	PERMIT TO OPERATE GRANTED
125280	M41858	12/19/1984	INACTIVE	276650	BCAT	PLASTICS & RESINS, ROLLING	08/21/1984	PERMIT TO OPERATE GRANTED
125281	M41859	12/19/1984	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	08/21/1984	PERMIT TO OPERATE GRANTED
125281	M41859	12/19/1984	INACTIVE	21	CCAT	BAGHOUSE	08/21/1984	PERMIT TO OPERATE GRANTED
125282	M41860	12/19/1984	INACTIVE	276100	BCAT	PLASTICS & RESINS BLENDING	08/21/1984	PERMIT TO OPERATE GRANTED
125283	M41861	12/19/1984	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	08/21/1984	PERMIT TO OPERATE GRANTED
125284	M41862	12/19/1984	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	08/21/1984	PERMIT TO OPERATE GRANTED
125284	M41862	12/19/1984	INACTIVE	21	CCAT	BAGHOUSE	08/21/1984	PERMIT TO OPERATE GRANTED
125285	M41863	12/19/1984	INACTIVE	276100	BCAT	PLASTICS & RESINS BLENDING	08/21/1984	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 45149 PLASKON ELECTRONIC MATERIALS INC Status: Out of Business MR: 0404 SIC: 308 Team:
Last Inspection: 03/06/1989 On Hold: Suspended: TS: Quarter: none - do not inspect
Contact: RECLAIM: N TITLE V: N AIRS ID: Assignment:
Location Address: 12270 NEBRASKA AVE, LOS ANGELES 90025 Sector:VM Inspector:
Mailing Address: 12270 NEBRASKA AVE, LOS ANGELES 90025 Sector:VM Inspection Date:
Instruction: Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
125286	M41864	12/19/1984	INACTIVE	276650	BCAT	PLASTICS & RESINS, ROLLING	08/21/1984	PERMIT TO OPERATE GRANTED
125287	M41865	12/19/1984	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	08/21/1984	PERMIT TO OPERATE GRANTED
125287	M41865	12/19/1984	INACTIVE	21	CCAT	BAGHOUSE	08/21/1984	PERMIT TO OPERATE GRANTED
125288	M41866	12/19/1984	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	08/21/1984	PERMIT TO OPERATE GRANTED
125288	M41866	12/19/1984	INACTIVE	21	CCAT	BAGHOUSE	08/21/1984	PERMIT TO OPERATE GRANTED
125289	M41867	12/19/1984	INACTIVE	276100	BCAT	PLASTICS & RESINS BLENDING	08/21/1984	PERMIT TO OPERATE GRANTED
125289	M41867	12/19/1984	INACTIVE	21	CCAT	BAGHOUSE	08/21/1984	PERMIT TO OPERATE GRANTED
125290	M41868	12/19/1984	INACTIVE	276850	BCAT	PLASTICS & RESINS SIZE CLASSIFICATION	08/21/1984	PERMIT TO OPERATE GRANTED
125291	M41869	12/19/1984	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	08/21/1984	PERMIT TO OPERATE GRANTED
125291	M41869	12/19/1984	INACTIVE	21	CCAT	BAGHOUSE	08/21/1984	PERMIT TO OPERATE GRANTED
125292	M41870	12/19/1984	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	08/21/1984	PERMIT TO OPERATE GRANTED
125292	M41870	12/19/1984	INACTIVE	21	CCAT	BAGHOUSE	08/21/1984	PERMIT TO OPERATE GRANTED
125293	M41871	12/19/1984	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	08/21/1984	PERMIT TO OPERATE GRANTED
125293	M41871	12/19/1984	INACTIVE	21	CCAT	BAGHOUSE	08/21/1984	PERMIT TO OPERATE GRANTED
125294	M41872	12/19/1984	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	08/21/1984	PERMIT TO OPERATE GRANTED
125294	M41872	12/19/1984	INACTIVE	21	CCAT	BAGHOUSE	08/21/1984	PERMIT TO OPERATE GRANTED
125295	M41873	12/19/1984	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	08/21/1984	PERMIT TO OPERATE GRANTED
125295	M41873	12/19/1984	INACTIVE	21	CCAT	BAGHOUSE	08/21/1984	PERMIT TO OPERATE GRANTED
125296	M41874	12/19/1984	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	08/21/1984	PERMIT TO OPERATE GRANTED
125296	M41874	12/19/1984	INACTIVE	21	CCAT	BAGHOUSE	08/21/1984	PERMIT TO OPERATE GRANTED
125297	M41875	12/19/1984	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	08/21/1984	PERMIT TO OPERATE GRANTED
125297	M41875	12/19/1984	INACTIVE	21	CCAT	BAGHOUSE	08/21/1984	PERMIT TO OPERATE GRANTED
125298	M41876	12/19/1984	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	08/21/1984	PERMIT TO OPERATE GRANTED
125299	M41877	12/19/1984	INACTIVE	203900	BCAT	STORAGE TANK ACETONE	08/21/1984	PERMIT TO OPERATE GRANTED
125300	M41878	12/19/1984	INACTIVE	276750	BCAT	PLASTIC/RESIN SIZE REDUCTION	08/21/1984	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 83184 PAKTANK CORP
Status: Active
MR:
SIC:
Team: I
Last Inspection:
On Hold:
Suspended:
TS: TS-12 Industrial Sources - Out of Business and Cha
Quarter: 0100 - inspect in 2nd quarter, every year
Contact: QUIRINO WONG (713) 5617278
RECLAIM: N
TITLE V: N
AIRS ID:
Assignment:
Location Address: 12270 NEBRASKA AVE, LOS ANGELES 90025 Sector:VM
Inspector:
Mailing Address: 2000 W LOOP SOUTH, HOUSTON 77027
Inspection Date:
Instruction:
Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
383214				000993	BCAT	ERC ALTERATION	03/02/2001	BANKING/ PLAN GRANTED, NON BILLABLE
242326				040901	BCAT	I C E (50-500 HP) N-EM STAT DIESEL	12/20/1990	BANKING/ PLAN GRANTED, NON BILLABLE

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 107691 LA CITY DWP, WEST LA SERVICE CTR
Status: DUPLICATE
MR:
SIC:
Team:
Last Inspection: 10/31/2002
On Hold:
Suspended:
TS: TS-12 Industrial Sources - Out of Business and Cha
Quarter: none - do not inspect
Contact:
RECLAIM: N
TITLE V: N
AIRS ID:
Assignment: 733048
Location Address: 12270 NEBRASKA AVE, WEST LOS ANGELES 90025 Sector:VM
Inspector: YS01 YASMINE STUTZ
Mailing Address: P.O. BOX 51111, LOS ANGELES 90051-0100 Sector:WK
Inspection Date: 10/31/2002
Instruction:
Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 17804

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 10/23/83
~~PLASKON PRODUCTS, INCORPORATED~~

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. C-25340
PREVIOUS PERMIT NO.
P 34777

EQUIPMENT DESCRIPTION AND CONDITIONS:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BAGHOUSE, ACOLAIRE, MODEL 300U, SERIAL NO. M6518.
2. EXHAUST SYSTEM, WITH A 3-H.P. BLOWER, VENTING TWO BLENDERS.

FILE COPY

This initial permit must be renewed by 9/1/81 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAFCD076 2500:a 805m

VOID UNLESS VALIDATED

EXECUTIVE OFFICER
Maria L. Cruz
BY PERMIT SECTION

DATE JUL 1 '81

76P235M - 6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 17803

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 12/23/83 ~~PLASKON PRODUCTS, INCORPORATED~~

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. C-25341
PREVIOUS PERMIT NO.
M 00872

EQUIPMENT DESCRIPTION AND CONDITIONS:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BAGHOUSE, ACOLAIRE, MODEL 860U, WITH 860 SQ. FT. FILTER AREA AND A 3/4-H.P. SHAKER.
2. EXHAUST SYSTEM WITH A 10-H.P. BLOWER VENTING A GRINDING SYSTEM, TWO WEIGH TABLES, AND FILLING STAND.

FILE COPY

This initial permit must be renewed by 7/1/82 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

5CAPC0073 2500:a 8056

VOID UNLESS VALIDATED

EXECUTIVE OFFICER Maria L. Cruz

BY PERMIT SECTION

DATE JUL 1 '81

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 17791

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 1/23/83
~~PLASKON PRODUCTS, INCORPORATED~~

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. C-25342
PREVIOUS PERMIT NO.
M 00871

EQUIPMENT DESCRIPTION AND CONDITIONS:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BAGHOUSE, ACOLAIRE, MODEL NO. 5-800 SW, WITH 4000 SQ. FT. FILTER AREA, A 3/4-H.P. SHAKER AND A 1-H.P. DISCHARGE SCREW.
2. EXHAUST SYSTEM WITH A 30-H.P. BLOWER, VENTING TWO ROLL MILLS, TWO GRINDERS A DISPERSER, A DRUM CLEANING STATION A WORK TABLE, A CART HANDLING STATION, TWO SCREENS, AND FOUR MIXERS.

FILE COPY

This initial permit must be renewed by 7/1/82 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAFC0067 5000:a 805

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

Maria L. Cruz

BY PERMIT SECTION

DATE JUL 1 '81

76P225M-6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 17805

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 10/23/83 ~~PLASKON PRODUCTS, INCORPORATED~~

APPL. NO. C-25333

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

EQUIPMENT DESCRIPTION AND CONDITIONS:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BAGHOUSE, ACE CO., WITH 9600 SQ. FT. FILTER AREA, TWO 3/4-H.P. SHAKERS AND A 2-H.P. DISCHARGE SCREW.
2. EXHAUST SYSTEM WITH TWO 40-H.P. BLOWERS VENTING A ROLL MILL, A DISPERSER, A CART-HANDLING STATION, A GRINDING SYSTEM, TWO MIXERS, TWO WORK BENCHES AND EIGHT TEST PRESSES AND A WORK TABLE.

FILE COPY

This initial permit must be renewed by 7/1/82 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAFCO079 80000:a 8056

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

Maria I. Cruz

BY PERMIT SECTION

DATE JUL 1 '81

76P235M - 6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 17797

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 12/29/83 ~~PLASKON PRODUCTS, INCORPORATED~~

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. C-25336
PREVIOUS PERMIT NO.
P 34796

EQUIPMENT DESCRIPTION AND CONDITIONS:

BLENDING SYSTEM CONSISTING OF:

1. CHARGE HOPPER, COLSON EQUIPMENT COMPANY, MODEL DU-81, 1'-10" DIA. X 2'-10" H.
2. BLENDER NO. 2, PATTERSON, 100 CU. FT. CAPACITY, 15-H.P.
3. SEPARATOR, SWECO, MODEL LS-18, 1/4-H.P.

CONDITION

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS THE HOPPER, BLENDER AND SEPARATOR ARE VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE AIR POLLUTION CONTROL OFFICER.

FILE COPY

This initial permit must be renewed by 9/1/81 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

5CAPC0075 5000:a 3055

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

Maria L. Cruz

BY PERMIT SECTION

DATE JUL 1 '81

76P235M - 6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 17806

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 10/23/83 ~~PLASKON PRODUCTS, INCORPORATED~~

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. C-25329
PREVIOUS PERMIT NO.
P 34778

EQUIPMENT DESCRIPTION AND CONDITIONS:

BLENDING SYSTEM CONSISTING OF:

1. BLENDER, GENERAL MACHINE CO., 54 FT. CAPACITY, 7 1/2-H.P.
2. DRUM LOADER, CESCO, MODEL NO. E-J-10-5-4, 3/4-H.P.
3. CLASSIFIER, SWECO, MODEL LS-18, 1/4-H.P.

CONDITION

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE AIR POLLUTION CONTROL OFFICER.

FILE COPY

This initial permit must be renewed by 9/1/81 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAPCD069 5000:a 8058

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

Maria L. Cruz

BY PERMIT SECTION

DATE JUL 1 '81

76P225M - 6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 17807

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 10/29/83 ~~PLASKON PRODUCTS, INCORPORATED~~

APPL. NO. C-25332

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

EQUIPMENT DESCRIPTION AND CONDITIONS:

GRINDER NO. 1, FITZPATRICK, MODEL D-12, 20-H.P.

CONDITION

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE AIR POLLUTION CONTROL OFFICER.

FILE COPY

This initial permit must be renewed by 7/1/82 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAPCO077 20000:a 8055

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

Maria L. Cruz

BY PERMIT SECTION

DATE JUL 1 '81

76P235M - 6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 17800

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 10/23/80 ~~PLASKON PRODUCTS, INCORPORATED~~

APPL. NO. C-25343

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

EQUIPMENT DESCRIPTION AND CONDITIONS:

GRINDING SYSTEM CONSISTING OF:
1. CRUSHER, L. E. HOWARD, 2-H.P.
2. GRINDER, FITZPATRICK, MODEL D-12, 20-H.P.

CONDITION

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE AIR POLLUTION CONTROL OFFICER.

FILE COPY

This initial permit must be renewed by 7/1/82 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

5C/F00078 20000:a 8058

VOID UNLESS VALIDATED

EXECUTIVE OFFICER Maria L. Cruz

BY PERMIT SECTION

DATE JUL 1 '81

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 18466

eration under this permit must be conducted in compliance with all information included with the initial application and the initial per-
t conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206,
is Permit to Operate or copy must be posted on or within 8 meters of equipment.

.EGAL OWNER R OPERATOR: Plaskon Electronic Materials Inc 10/23/83 ~~PLASKON PRODUCTS, INCORPORATED~~

APPL. NO. C-26603

QUIPMENT OCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

QUIPMENT DESCRIPTION AND CONDITIONS:

PLASTIC MOLDING, GRINDING AND CLASSIFYING SYSTEM CONSISTING OF:

1. SHEET BREAKER, VAN AALST, MODEL NO. 2, 2 1/2-H.P.
2. GRINDER, FITZPATRICK, MODEL F-12, 20-H.P.
3. CLASSIFIER, SWECO, 1/2-H.P.
4. PNEUMATIC CONVEYOR, WITH TWO VAC-U-MAX HOPPER FEEDERS, 5-H.P.

C O N DI T I O N S

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS THE SHEET BREAKER, GRINDER AND SCREEN ARE VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND *(1 OF 2 PAGES)*

FILE COPY

This initial permit must be renewed by 10/1/82 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

his permit does not authorize the emission of air contaminants in excess of those allowed by ivision 26 of the Health and Safety Code of the State of California or the Rules of the Air uality Management District. This permit cannot be considered as permission to violate existing aws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

Maria I. Cruz

BY PERMIT SECTION

DATE 10/15/81

SCAPCD030 20000:a 8115

VOID UNLESS VALIDATED

76P235M - 6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 18419

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronics Materials Inc 10/23/83 ~~PLASKON PRODUCTS, INCORPORATED~~

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. C-25320
PREVIOUS PERMIT NO.
M 00880

EQUIPMENT DESCRIPTION AND CONDITIONS:

GRINDER, FITZPATRICK, MODEL D-6, 5-H.P.

C O N D I T I O N

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE AIR POLLUTION CONTROL OFFICER.

FILE COPY

This initial permit must be renewed by JULY 1, 1982 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER Mona L. Cruz

BY PERMIT SECTION

DATE OCT 7 '81

SLAPC0030 2500:a 806m

VOID UNLESS VALIDATED

76P235M - 6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 17802

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 10/23/83 ~~PLASKON PRODUCTS, INCORPORATED~~

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. C-25323
PREVIOUS PERMIT NO.
P 35480

EQUIPMENT DESCRIPTION AND CONDITIONS:

MIXER, BAKER-PERKINS, SERIAL NO. 39227, 100-GALLON CAPACITY, WITH A 25-H.P. DRIVE, AND A 2 1/2-H.P. TILT DRIVE.

CONDITION

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE AIR POLLUTION CONTROL OFFICER.

FILE COPY

This initial permit must be renewed by 11/1/81 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAPCB072 2500:a 8058

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

Maria I. Cruz

BY PERMIT SECTION

DATE JUL 1 '81

76P235M - 6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 17790

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 10/23/85 ~~PLASKON PRODUCTS, INCORPORATED~~

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. C-25324
PREVIOUS PERMIT NO.
M 06447

FILE COPY

EQUIPMENT DESCRIPTION AND CONDITIONS:

GRINDER, FITZPARTRICK CO., MODEL D-12, 20-H.P.

CONDITION

THIS EQUIPMENT MUST NOT BE OPERATED UNLESSIT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE AIR POLLUTION CONTROL OFFICER.

This initial permit must be renewed by 7/1/82 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

Maria I. Cruz

BY PERMIT SECTION

DATE JUL 1 '81

SCAPCD068 2500:a 8056

VOID UNLESS VALIDATED

76P235M - 6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 17801

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 12/23/83 ~~PLASKON PRODUCTS, INCORPORATED~~

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. C-25334
PREVIOUS PERMIT NO.
P 35479

EQUIPMENT DESCRIPTION AND CONDITIONS:

MIXER, BAKER PERKINS, SERIAL NO. 38763, 200-GALLONS CAPACITY, 15-H.P.

CONDITION

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE AIR POLLUTION CONTROL OFFICER.

FILE COPY

This initial permit must be renewed by 11/1/81 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAPCD074 2500:a 8056

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

Maria I. Cruz

BY PERMIT SECTION

DATE JUL 1 '81

76P235M - 6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 18416

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 10/23/83 ~~PLASKON PRODUCTS, INCORPORATED~~

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE LOS ANGELES, CALIFORNIA

APPL. NO. C-25327
PREVIOUS PERMIT NO.
P 35483

EQUIPMENT DESCRIPTION AND CONDITIONS:

MIXING SYSTEM CONSISTING OF:

1. DISPERSER, 2'-10" DIA. X 4'-0" H.
2. RIBBON MIXER NO. 1, 200 GALLON.
3. RIBBON MIXER NO. 2, 200 GALLON.

C O N D I T I O N S

1. THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER. *(1 OF 2 PAGES)*

FILE COPY

This initial permit must be renewed by NOV. 1, 1982 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER [illegible] I. Cruz

BY PERMIT SECTION

DATE 11/5/81

[illegible] 2500:a 0068

VOID UNLESS VALIDATED

76P235M - 6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

ONTINUA[redacted] PERMIT NO. M 18416
UST BE DISPLAYED WITH PERMIT)

2. WHENEVER PHOTOCHEMICALLY REACTIVE SOLVENTS ARE USED IN THIS EQUIPMENT, THE ORGANIC MATERIALS DISCHARGED INTO THE ATMOSPHERE MUST NOT EXCEED 39.6 POUNDS IN ANY ONE DAY NOR 7.9 POUNDS IN ANY ONE HOUR UNLESS SUCH DISCHARGE IS CONTROLLED TO COMPLY WITH RULE 442.

APPL. NO. C-25327

PERMIT to OPERATE

M 17796

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

inder this permit must be conducted in compliance with all information included with the initial application and the initial per-
ons. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206,
to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 12/23/83
~~PLASKON PRODUCTS, INCORPORATED~~

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. C-25330
PREVIOUS PERMIT NO.
M 06449

EQUIPMENT DESCRIPTION AND CONDITIONS:

PLASTIC MOLDING COMPOUND GRANULATING AND CLASSIFYING SYSTEM CONSISTING OF:

1. GRINDER, FITZPATRICK, MODEL F-12, 20-H.P.
2. SHEET BREAKER, VAN AALST, 2 1/2-H.P.
3. VIBRATING SCREEN, SWECO, MODEL LS-30, 1/2-H.P.
4. RECYCLE CONVEYOR, 3-H.P.

CONDITION

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIRPOLLUTION CONTROL
(1 OF 2 PGS) EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE

FILE COPY

This initial permit must be renewed by 11/1/82 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAPCO070 2500:a 8056

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

Maria L. Cruz

BY PERMIT SECTION

DATE JUL 1 '81

76P235M - 6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

CONTINUATION OF PERMIT NO. M 17796
(MUST BE DISPLAYED WITH PERMIT)

AIR POLLUTION CONTROL OFFICER.

APPL. NO. C-25330

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 17799

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 12/23/83 ~~PLASKON PRODUCTS, INCORPORATED~~

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. C-25337
PREVIOUS PERMIT NO.
M 06451

EQUIPMENT DESCRIPTION AND CONDITIONS:

PLASTIC MOLDING COMPOUND GRANULATING AND CLASSIFYING SYSTEM CONSISTING OF:

1. GRINDER, FITZPATRICK, MODEL F-12, 15-H.P.
2. SHEET BREAKER, VAN AALST, 2 1/2-H.P.
3. VIBRATING SCREEN, SWECO, MODEL LS-30, 1/2-H.P.
4. RECYCLE CONVEYOR, 3-H.P.

CONDITION

THIS EQUIPMENT MUSTNOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT SHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN (1 OF 2 PAGES)

FILE COPY

This initial permit must be renewed by 7/1/82 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAPCD71 2500:a 805

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

Maria I. Cruz

BY PERMIT SECTION

DATE JUL 1 '81

76P235M - 6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

CONTINUATION OF PERMIT NO. M 17799
(MUST BE DISPLAYED WITH PERMIT)

OPERATING PERMIT BY THE AIR POLLUTION CONTROL OFFICER.

APPL. NO. C-25337

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 17360

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 9/20/83 ~~PLASKON PRODUCTS, INCORPORATED~~

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. C-25325
PREVIOUS PERMIT NO.
M -6456

EQUIPMENT DESCRIPTION AND CONDITIONS:

PLASTIC MOLDING COMPOUND GRANULATING AND CLASSIFYING SYSTEM CONSISTING OF:

1. SHEET BREAKER, VAN-AAIST, MODEL NO. 2, 2 1/2-H.P.
2. GRINDER, FITZPATRICK, MODEL F12, 15-H.P.
3. CLASSIFIER, SWECO, MODEL LS-30, 1/2-H.P.

CONDITION

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS THE SHEET BRAKER AND GRINDER ARE VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE AIR POLLUTION CONTROL OFFICER.

FILE COPY

This initial permit must be renewed by 7/1/82 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAPCD066 2500:a 8056

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

Maria I. Cruz

BY PERMIT SECTION

DATE JUL 1 '81

76P235M - 6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 18414

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 10/23/83 ~~PLASKON PRODUCTS, INCORPORATED~~

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. C-25328
PREVIOUS PERMIT NO.
P 35482

EQUIPMENT DESCRIPTION AND CONDITIONS:

ROLL MILL, RUBBER EQUIPMENT COMPANY, 1'-4" DIA. X 3'-6" L., SERIAL NO. 1114.

CONDITION

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE AIR POLLUTION CONTROL OFFICER.

This initial permit must be renewed by November 5, 1981 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

BY Lucy Aldana, Permit Section

DATE June 15, 1981

SCAFC0043 2540:a 8096

VOID UNLESS VALIDATED

76P235M - 6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 17798

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 10/23/83
~~PLASKON PRODUCTS, INCORPORATED~~

APPL. NO. C-25335

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

EQUIPMENT DESCRIPTION AND CONDITIONS:

ROLL MILL, STEWARD ROLLING, 100-H.P.

CONDITION

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE AIR POLLUTION CONTROL OFFICER.

FILE COPY

This initial permit must be renewed by 7/1/82 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAPCD080 80000:a 8055

VOID UNLESS VALIDATED

EXECUTIVE OFFICER
Maria L. Cruz

BY PERMIT SECTION

DATE JUL 1 '81

76P235M - 6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 17395

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: ~~PLASKON PRODUCTS INCORPORATED~~ Plaskon Electronic Materials Inc APPL. NO. C-25326
12270 NEBRASKA AVE. 10/22/83 PREVIOUS PERMIT NO. P-57008

EQUIPMENT LOCATED AT: LOS ANGELES, CALIFORNIA

EQUIPMENT DESCRIPTION AND CONDITIONS:

ROLL MILL, THROPP, SERIAL NO. 1662, 31 HP TOTAL

CONDITIONS

1. ORGANIC SOLVENTS USED IN THIS EQUIPMENT MUST BE CLEARLY LABELED AS NON-PHOTOCHEMICALLY REACTIVE BY THE SUPPLIER OR, FOR BULK SHIPMENTS, SHOWN TO BE NON-PHOTOCHEMICALLY REACTIVE ON BILLS OF LADING OR INVOICES.
2. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THIS EQUIPMENT MUST NOT EXCEED 90 GALLONS IN ANY ONE DAY.

FILE COPY

This initial permit must be renewed by 6/1/82 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAPCD023 2500:a 8245

VOID UNLESS VALIDATED

EXECUTIVE OFFICER Maria L. Cruz

BY PERMIT SECTION

DATE AUG 1 '81

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

R-M-18467

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 12/29/83 ~~PLASKON PRODUCTS, INCORPORATED~~

APPL. NO. C-26602

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

EQUIPMENT DESCRIPTION AND CONDITIONS:

ROLL MILL, S.C. CARTER CO., 42" L., 75 H.P.

-CONDITIONS-

1. ORGANIC SOLVENTS USED IN THIS EQUIPMENT MUST BE CLEARLY LABELED AS NON-PHOTOCHEMICALLY REACTIVE BY THE SUPPLIER OR, FOR BULK SHIPMENTS, SHOWN TO BE NON-PHOTOCHEMICALLY REACTIVE ON BILLS OF LADING OR INVOICES.
2. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THIS EQUIPMENT MUST NOT EXCEED 66 GALLONS IN ANY ONE DAY OR 2.75 GALLONS IN ANY ONE HOUR.

FILE COPY

This initial permit must be renewed by 11/1/82 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAPCD029 800.00:a 6/11/81

VOID UNLESS VALIDATED

EXECUTIVE OFFICER Maria D. Cruz

BY PERMIT SECTION

DATE 11/17/81

76P234M - 6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 18467

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON PRODUCTS, INCORPORATED

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. C-26602

Void

EQUIPMENT DESCRIPTION AND CONDITIONS:

ALTERATION TO AIR POLLUTION CONTROL SYSTEM, PERMIT NO. M 00872, BY THE ADDITIONAL VENTING OF A GRINDER AND SPEED STIRRER.

C O N D I T I O N S

1. ORGANIC SOLVENTS USED IN THIS EQUIPMENT MUST BE CLEARLY LABELED AS NON-PHOTOCHEMICALLY REACTIVE BY THE SUPPLIER OR, FOR BULK SHIPMENTS, SHOWN TO BE NON-PHOTOCHEMICALLY REACTIVE ON BILLS OF LADING OR INVOICES.
2. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THIS EQUIPMENT MUST NOT EXCEED 15 GALLONS IN ANY ONE DAY OR 3 GALLONS IN ANY ONE HOUR.

This initial permit must be renewed by 10/1/82 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

~~SCAPCD029 80000:a 811~~

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

Maria D. Cruz

BY PERMIT SECTION

DATE 10/15/81

76P235M - 6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 18418

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 10/23/83 ~~PLASKON PRODUCTS, INCORPORATED~~

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE LOS ANGELES, CALIFORNIA

APPL. NO. C025321
PREVIOUS PERMIT NO.
M 00883

EQUIPMENT DESCRIPTION AND CONDITIONS:

ROLL MILL NO. 5, THROPP, MODEL NO. T-2563, 12" DIA. X 24" L., 30-H.P.

C O N D I T I O N

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE AIR POLLUTION CONTROL OFFICER.

FILE COPY

This initial permit must be renewed by JULY 1, 1982 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAPCD023 2500:a 8065

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

[illegible] I Cruz

BY PERMIT SECTION

DATE OCT 7 '81

76P23500-6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 17810

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 12/23/83
~~PLASKON PRODUCTS, INCORPORATED~~

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. C-25344
PREVIOUS PERMIT NO.
P 37088

EQUIPMENT DESCRIPTION AND CONDITIONS:

STORAGE TANK, UNDERGROUND, 7'-11" DIA. X 20'-1" L., 7,500-GALLONS.

CONDITION

THIS TANK MUST NOT BE USED TO STORE A PETROLEUM DISTILLATE HAVING A REID VAPOR PRESSURE OF 3.9 POUNDS OR GREATER.

FILE COPY

This initial permit must be renewed by 4/1/82 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

Maria D. Cruz

BY PERMIT SECTION

DATE 10/12/81

SCAPCD101 2500:a 8125

VOID UNLESS VALIDATED

76P235M - 6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 18417

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 10/23/83
~~PLASKON PRODUCTS, INCORPORATED~~

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. C-25322
PREVIOUS PERMIT NO.
M 00885

FILE COPY

EQUIPMENT DESCRIPTION AND CONDITIONS:

VIBRATING SCREEN, SWECO, MODEL GO-5, 1/4-H.P.

C O N D I T I O N

THIS EQUIPMENT MUSTNOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE AIR POLLUTION CONTROL OFFICER.

This initial permit must be renewed by JULY 1, 1982 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER
Maria I. Cruz

BY PERMIT SECTION

DATE 11/5/81

CAP(3029 2500:a 8066

VOID UNLESS VALIDATED

76P235M - 6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 24708

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Plaskon Electronic Materials Inc 12/5/83 ~~PLASKON PRODUCTS, INC.~~
12270 NEBRASKA AVENUE

EQUIPMENT LOCATED AT: LOS ANGELES, CALIFORNIA

APPL. NO. C-36253

EQUIPMENT DESCRIPTION AND CONDITIONS:

FILE COPY

MIXER, BAKER-PERKINS, SERIAL NO. 39227, 4'-4" W. X 3'-8" L. X 3'-10" H., WITH A 25 H.P. DRIVE AND A 2 1/2 H.P. TILTERS.

-CONDITION-

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

This initial permit must be renewed by 5/1/83 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAQMD017 23000Da 8278

VOID UNLESS VALIDATED

EXECUTIVE OFFICER Maria L. Cruz

BY

DATE MAY 27 '82

76P235M-REV. 2-81

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41871

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125293
PREVIOUS PERMIT NO. M17803

EQUIPMENT DESCRIPTION AND CONDITIONS:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BAGHOUSE, ACOLAIRE, MODEL 860-U, 860 SQ. FT. FILTER AREA, WITH A 3/4 H.P. SHAKER.
2. EXHAUST SYSTEM WITH A 10 H.P. BLOWER VENTING A GRINDING SYSTEM, TWO WEIGH TABLES AND A FILLING STAND.

FILE COPY

This initial permit must be renewed by 02/10 ANNUALLY unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41872

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125294
PREVIOUS PERMIT NO. M17791

EQUIPMENT DESCRIPTION AND CONDITIONS:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BAGHOUSE, ACOLAIRE, MODEL 5-800SW, 4000 SQ. FT. FILTER AREA, WITH A 3/4 H.P. SHAKER AND A 1 H.P. DISCHARGE SCREW.
2. EXHAUST SYSTEM WITH A 30 H.P. BLOWER VENTING TWO ROLL MILLS, TWO GRINDERS, A GRINDING SYSTEM, ONE SCREEN, FOUR MIXERS, A DISPENSER, A DRUM CLEANING STATION, A CART HANDLING STATION.

FILE COPY

This initial permit must be renewed by 02/18 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41873

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125295
PREVIOUS PERMIT NO. M17805

EQUIPMENT DESCRIPTION AND CONDITIONS:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BAGHOUSE, ACE CO., 9600 SQ. FT. FILTER AREA, WITH TWO 3/4 H.P. SHAKERS AND A 2 H.P. DISCHARGE SCREW.
2. EXHAUST SYSTEM WITH 2X40 H.P. BLOWERS VENTING A ROLL MILL, A DISPERSER, A CART HANDLING STATION, A GRINDING SYSTEM, TWO MIXERS, TWO WORK BENCHES, EIGHT TESTPRESSES, AND A WORK TABLE.

FILE COPY

This initial permit must be renewed by 02/18 ANNUALLY unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact office above

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. *This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.*

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41874

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR. PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125296
PREVIOUS PERMIT NO. M18405

EQUIPMENT DESCRIPTION AND CONDITIONS:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BAGHOUSE, ACOLAIRE, MODEL 9-600, 5400 SQ. FT. FILTER AREA, WITH 3/4 H.P. SHAKER AND A 2 H.P. SCREW CONVEYOR.
2. EXHAUST SYSTEM WITH 50 H.P. BLOWER VENTING A MIXER, A GRINDER, A SPEED STIRRER, MATERIAL PROCESSING TABLE, DRUM CLEANING STATION, GRANULATION CLASSIFYING SYSTEM AND A ROLL MILL.

FILE COPY

This initial permit must be renewed by 02/16 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact office above

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41875

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125297
PREVIOUS PERMIT NO. M39498

EQUIPMENT DESCRIPTION AND CONDITIONS:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BAGHOUSE, ACOLAIRE, 7200 SQ. FT. FILTER AREA, WITH 2 H.P. SCREW CONVEYORS AND 2 X 3/4 H.P. SHAKERS.
2. EXHAUST SYSTEM WITH 2 X 30 HP BLOWERS VENTING A MIXER, A ROLL MILL, A GRINDING AND CLASSIFYING SYSTEM, 2 CART ENCLOSURES, A WORK TABLE, A TEST PRESS, A DRUM FILLING HOOD AND A BALL MILL.

FILE COPY

This initial permit must be renewed by 02/16 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact office above

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 394[illegible]
M39498

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS, INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 117922 M39498
PREVIOUS PERMIT NO. M18412

EQUIPMENT DESCRIPTION AND CONDITIONS:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BAGHOUSE, ACOLAIRE, 7,200 SQ. FT. FILTER AREA, WITH A 2 H.P. DUST SCREW CONVEYOR, AND TWO 3/4 SHAKERS.
2. EXHAUST SYSTEM, WITH TWO 30 H.P. BLOWERS VENTING A MIXER, A BALL MILL, A ROLL MILL, A GRINDING AND CLASSIFYING SYSTEM, WITH TWO CART ENCLOSURES, A TEST PRESS, AND A DRUM FILLING HOOD.

FILE COPY

PAGE 1 OF 2 PAGES

This initial permit must be renewed by ~~02/16/85~~ unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 07/19/84

76P235M-REV.2-81

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

M 39498

CONTINUATION OF PERMIT NO._____
(MUST BE DISPLAYED WITH PERMIT)

APPL. NO. 117922

-CONDITION-

THIS EQUIPMENT MUST NOT BE USED TO VENT MORE THAN A MIXER, A BALL MILL, A ROLL MILL, A GRINDING AND CLASSIFYING SYSTEM, TWO CART ENCLOSURES, A TEST PRESS AND A DRUM FILLING STATION AT ANY ONE TIME.

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41870

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125292
PREVIOUS PERMIT NO. M17804

EQUIPMENT DESCRIPTION AND CONDITIONS:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BAGHOUSE, ACOLAIRE, MODEL 300-U, 300 SQ. FT. FILTER AREA, SERIAL NO. M6518 WITH A 1/2 H.P. SHAKER.
2. EXHAUST SYSTEM WITH A 3 H.P. BLOWER, VENTING TWO BLENDING SYSTEMS.

FILE COPY

This initial permit must be renewed by 02/16 ANNUALLY unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41878

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125300
PREVIOUS PERMIT NO. M39499

EQUIPMENT DESCRIPTION AND CONDITIONS:
BALL MILL, PATTERSON CO., 44.25" DIA. X 49.75" L., 5 H.P.

FILE COPY

-CONDITION-

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

This initial permit must be renewed by 02/16 ANNUALLY unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41869

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125291
PREVIOUS PERMIT NO. M18411

EQUIPMENT DESCRIPTION AND CONDITIONS:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BAGHOUSE, ICA-REES, MODEL 2-600, 1200 SQ. FT. FILTER AREA; WITH 3/4 H.P. SHAKER.
2. EXHAUST SYSTEM WITH A 10 H.P. BLOWER, VENTING TWO BLENDING SYSTEMS.

FILE COPY

This initial permit must be renewed by ~~02/16 ANNUALLY~~ unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41849

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this *Permit to Operate or copy must be posted on or within 8 meters of equipment.*

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS, INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125271
PREVIOUS PERMIT NO. M17802

EQUIPMENT DESCRIPTION AND CONDITIONS:

MIXER, BAKER PERKINS, 100 GALLON CAPACITY, WITH A 25 H.P. MOTOR, SERIAL NO. 48582.

FILE COPY

-CONDITION-

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

This initial permit must be renewed by 02/16 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact office above

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XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41868

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125290
PREVIOUS PERMIT NO. M17797

EQUIPMENT DESCRIPTION AND CONDITIONS:

BLENDING SYSTEM CONSISTING OF:

1. BLENDER, PATTERSON CO., 100 CU. FT., 15 H.P.
2. CHARGE HOPPER, COLSON EQUIP. CO., MODEL DU-87, 3/4 H.P.
3. CLASSIFIER, SWECO, MODEL LS-80, 1/4 H.P.

FILE COPY

-CONDITION-

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

This initial permit must be renewed by ~~02/16 ANNUALLY~~ unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41867

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125289
PREVIOUS PERMIT NO. M17806

EQUIPMENT DESCRIPTION AND CONDITIONS:

BLENDING SYSTEM CONSISTING OF:

1. BLENDER, GENERAL MACHINE CO., 54 CU. FT., 7-1/2 H.P.
2. DRUM LOADER, CESCO, MODEL E-J-10-5-4, 3/4 H.P.
3. CLASSIFIER, SWECO, MODEL LS-18, 1/4 H.P.

FILE COPY

-CONDITION-

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

This initial permit must be renewed by ~~02/16 ANNUALLY~~ unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

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XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41853

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR. PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125275
PREVIOUS PERMIT NO. M17790

EQUIPMENT DESCRIPTION AND CONDITIONS:

GRINDER, FITZPATRICK, MODEL D-12, 20 H.P.

FILE COPY

-CONDITION-

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

This initial permit must be renewed by ~~02/18 ANNUALLY~~ unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41866

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125288
PREVIOUS PERMIT NO. M17807

EQUIPMENT DESCRIPTION AND CONDITIONS:

GRINDER NO. 1, FITZPATRICK, MODEL D-12, 20 H.P.

FILE COPY

-CONDITION-

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

This initial permit must be renewed by ~~02/16 ANNUALLY~~ unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41876

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125298
PREVIOUS PERMIT NO. M17800

EQUIPMENT DESCRIPTION AND CONDITIONS:

GRINDING SYSTEM CONSISTING OF:

1. CRUSHER, L.E. HOWARD, 2 H.P.
2. GRINDER, FITZPATRICK, MODEL D-12, 20 H.P.

FILE COPY

-CONDITION-

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

This initial permit must be renewed by 02/16 ANNUALLY unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact office above

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41851

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125273
PREVIOUS PERMIT NO. M18419

EQUIPMENT DESCRIPTION AND CONDITIONS:

GRINDER, FITZPATRICK, MODEL D-6, 5 H.P.

FILE COPY

-CONDITION-

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

This initial permit must be renewed by 02/10 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41857

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125279
PREVIOUS PERMIT NO. M18416

EQUIPMENT DESCRIPTION AND CONDITIONS:

MIXING SYSTEM CONSISTING OF:

1. DISPERSER, 2'-10" DIA. X 4'-0" H., 15 H.P.
2. RIBBON MIXER NO. 1, 200 GALLON CAPACITY, 25 H.P.
3. RIBBON MIXER NO. 2, 200 GALLON CAPACITY, 25 H.P.

-CONDITION-

WHENEVER PHOTCHEMICALLY REACTIVE SOLVENTS ARE USED IN THIS EQUIPMENT, THE ORGANIC MATERIALS DISCHARGED INTO THE ATMOSPHERE MUST NOT EXCEED 39.8 POUNDS IN ANY ONE DAY NOR 7.9 POUNDS IN ANY ONE HOUR UNLESS SUCH DISCHARGE IS CONTROLLED TO COMPLY WITH RULE 442.

FILE COPY

This initial permit must be renewed by 02/16 ANNUALLY unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41860

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125282
PREVIOUS PERMIT NO. M17801

EQUIPMENT DESCRIPTION AND CONDITIONS:

MIXER, BAKER PERKINS, NO. 31, 15 H.P. SERIAL NO. 38763.

FILE COPY

-CONDITION-

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

This initial permit must be renewed by 02/10 ANNUALLY unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41863

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125285
PREVIOUS PERMIT NO. M18404

EQUIPMENT DESCRIPTION AND CONDITIONS:
MIXER, BAKER PERKINS, 200 GAL. CAPACITY WITH 2 H.P. TILT, AND 15 H.P. DRIVE.

FILE COPY

-CONDITION-

WHENEVER PHOTCHEMICALLY REACTIVE SOLVENTS ARE USED IN THIS EQUIPMENT, THE ORGANIC MATERIALS DISCHARGED INTO THE ATMOSPHERE MUST NOT EXCEED 39.8 POUNDS IN ANY ONE DAY NOR 7.9 POUNDS IN ANY ONE HOUR UNLESS SUCH DISCHARGE IS CONTROLLED TO COMPLY WITH RULE 442.

This initial permit must be renewed by 02/16 ANNUALLY unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41854

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125276
PREVIOUS PERMIT NO. M24708

EQUIPMENT DESCRIPTION AND CONDITIONS:

MIXER, BAKER PERKINS, 4'-4" W. X 3'-8" L. X 3'-10" H., SERIAL NO. 39227, WITH 25 H.P. DRIVE AND A 2-1/2 H.P. TILTER.

FILE COPY

-CONDITION-

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

This initial permit must be renewed by 02/16 ANNUALLY unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact office above

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J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41859

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125281
PREVIOUS PERMIT NO. M17796

EQUIPMENT DESCRIPTION AND CONDITIONS:

PLASTIC MOLDING COMPOUND GRANULATING AND CLASSIFYING SYSTEM CONSISTING OF:

1. GRINDER, FITZPATRICK CO., MODEL F-12, 20 H.P.
2. SHEET BREAKER, VAN AALST, 2-1/2 H.P.
3. CLASSIFIER, SWECO, MODEL LS-30, 1/2 H.P.
4. RECYCLE CONVEYOR, 3 H.P.

-CONDITION-

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

FILE COPY

This initial permit must be renewed by 03/16 ANNUALLY unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41862

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125284
PREVIOUS PERMIT NO. M17799

EQUIPMENT DESCRIPTION AND CONDITIONS:

PLASTIC MOLDING COMPOUND GRANULATING AND CLASSIFYING SYSTEM CONSISTING OF:

1. GRINDER, FITZPATRICK CO., MODEL F-12, 15 H.P.
2. SHEET BREAKER, VAN AALST, 2-1/2 H.P.
3. CLASSIFIER, SWECO, MODEL LS-30, 1/2 H.P.
4. RECYCLE CONVEYOR, 3 H.P.

-CONDITION-

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

FILE COPY

This initial permit must be renewed by 02/18 ANNUALLY unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact office above

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41865

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125287
PREVIOUS PERMIT NO. M18466

EQUIPMENT DESCRIPTION AND CONDITIONS:

PLASTIC MOLDING COMPOUNDS GRINDING AND CLASSIGYING SYSTEM CONSISTING OF:

1. SHEET BREAKER, VAN AALST, MODEL NO. 2, 2-1/2 H.P.
2. GRINDER, FITZPATRICK, MODEL F-12, 20 H.P.
3. CLASSIFIER, SWECO, 1/2 H.P.
4. PNEUMATIC CONVEYOR WITH TWO VAC-U-MAX HOPPER FEEDERS, 5 H.P.

-CONDITION-

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

FILE COPY

This initial permit must be renewed by 02/16 ANNUALLY unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41856

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.
12270 NEBRASKA AVENUE

EQUIPMENT LOCATED AT: LOS ANGELES, CALIFORNIA

APPL. NO. 125278
PREVIOUS PERMIT NO. M17360

EQUIPMENT DESCRIPTION AND CONDITIONS:

PLASTIC MOLDING COMPOUND GRANULATING AND CLASSIFYING SYSTEM CONSISTING OF:

1. SHEET BREAKER, VAN AALST, MODEL NO. 2, 2-1/2 H.P.
2. GRINDER, FITZPATRICK, MODEL F-12, 15 H.P.
3. CLASSIFIER, SWECO, MODEL LS-30, 1/2 H.P.

-CONDITION-

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

FILE COPY

This initial permit must be renewed by 02/16 ANNUALLY unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact office above

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XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41855

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125277
PREVIOUS PERMIT NO. M17395

EQUIPMENT DESCRIPTION AND CONDITIONS:

ROLL MILL, THRUPP, 31 H.P., SERIAL NO. 1662.

FILE COPY

-CONDITION-

WHENEVER PHOTCHEMICALLY REACTIVE SOLVENTS ARE USED IN THIS EQUIPMENT, THE ORGANIC MATERIALS DISCHARGED INTO THE ATMOSPHERE MUST NOT EXCEED 39.8 POUNDS IN ANY ONE DAY NOR 7.9 POUNDS IN ANY ONE HOUR UNLESS SUCH DISCHARGE IS CONTROLLED TO COMPLY WITH RULE 442.

This initial permit must be renewed by 02/16 ANNUALLY unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41858

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125280
PREVIOUS PERMIT NO. M18414

EQUIPMENT DESCRIPTION AND CONDITIONS:

ROLL MILL, RUBBER EQUIPMENT CO., 1'-4" DIA. X 3'-6" L., 75 H.P., SERIAL NO. 1114.

FILE COPY

-CONDITION-

WHENEVER PHOTCHEMICALLY REACTIVE SOLVENTS ARE USED IN THIS EQUIPMENT, THE ORGANIC MATERIALS DISCHARGED INTO THE ATMOSPHERE MUST NOT EXCEED 39.8 POUNDS IN ANY ONE DAY NOR 7.9 POUNDS IN ANY ONE HOUR UNLESS SUCH DISCHARGE IS CONTROLLED TO COMPLY WITH RULE 442.

This initial permit must be renewed by ~~02/16 ANNUALLY~~ unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact office above

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XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41861

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125283
PREVIOUS PERMIT NO. M17798

EQUIPMENT DESCRIPTION AND CONDITIONS:
ROLL MILL, STEWARD BOLLING, 100 H.P.

FILE COPY

-CONDITION-

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

This initial permit must be renewed by 02/16 ANNUALLY unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

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XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41864

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125286
PREVIOUS PERMIT NO. M18467

EQUIPMENT DESCRIPTION AND CONDITIONS:

ROLL MILL, S.C. CARTER CO., 42' L., 75 H.P.

FILE COPY

-CONDITION-

WHENEVER PHOTCHEMICALLY REACTIVE SOLVENTS ARE USED IN THIS EQUIPMENT, THE ORGANIC MATERIALS DISCHARGED INTO THE ATMOSPHERE MUST NOT EXCEED 39.8 POUNDS IN ANY ONE DAY NOR 7.9 POUNDS IN ANY ONE HOUR UNLESS SUCH DISCHARGE IS CONTROLLED TO COMPLY WITH RULE 442.

This initial permit must be renewed by 02/16 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact office above

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41850

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125272
PREVIOUS PERMIT NO. M18418

EQUIPMENT DESCRIPTION AND CONDITIONS:

ROLL MILL, THROPP, MODEL T-2563, 12" DIA. X 24" L., 30 H.P.

FILE COPY

-CONDITION-

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

This initial permit must be renewed by 02/10 ANNUALLY unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact office above

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XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41877

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125299
PREVIOUS PERMIT NO. M17810

EQUIPMENT DESCRIPTION AND CONDITIONS:

STORAGE TANK, UNDERGROUND, 7'-11" DIA. X 20'-1" L., 7500 GAL. CAPACITY.

FILE COPY

-CONDITION-

THIS TANK MUST NOT BE USED TO STORE A PETROLEUM DISTILLATE HAVING A REID VAPOR PRESSURE OF 3.9 POUNDS OR GREATER.

This initial permit must be renewed by ~~02/16 ANNUALLY~~ unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41852

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS INC.

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA

APPL. NO. 125274
PREVIOUS PERMIT NO. M18417

EQUIPMENT DESCRIPTION AND CONDITIONS:

VIBRATING SCREEN, SWECO, MODEL GO-5, 1/4 H.P.

FILE COPY

-CONDITION-

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

This initial permit must be renewed by 02/16 ANNUALLY unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact office above.

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XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 12/19/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 45216

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: PLASKON ELECTRONIC MATERIALS, INCORPORATED

EQUIPMENT LOCATED AT: 12270 NEBRASKA AVENUE
LOS ANGELES, CALIFORNIA 90025

APP. NO. 132003
PREVIOUS PERMIT NO. M-41877

EQUIPMENT DESCRIPTION AND CONDITIONS:

STORAGE TANK, UNDERGROUND, 8'-0" DIA. X 22'-1" L., 8000 GALLONS.

-CONDITION-

THIS TANK MUST NOT BE USED TO STORE A PETROLEUM DISTILLATE HAVING A REID VAPOR PRESSURE OF 3.9 POUNDS OR GREATER.

FILE COPY

This initial permit must be renewed by 02/16 ANNUALLY unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact office above

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 08/09/85

South Coast Air Quality Management Division (SCAQMD)
12300 Nebraska Avenue

Information Management
Public Records Unit

Direct Dial (909) 396-3700
Fax:(909) 396-3330

COMPLETION LETTER

August 17, 2018

SUSAN SMITH
DUDEK
3544 UNIVERSITY AVE.
RIVERSIDE, CA 92501

Ref.: CONTROL NO. 96436
Received 8/7/2018

Re: P/O'S, EQL'S, NOV'S, ASBESTOS RECORDS, & COMPLIANCE ISSUES FOR LA DPW/WEST LA DISTRICT HEADQUARTERS, 12300 NEBRASKA AVE., LOS ANGELES, CA.

After a thorough search of this agency's records, the following records were found:
P/O'S, EQL'S, NOV'S, & ASBESTOS RECORDS FOR LA DPW/WEST LA DISTRICT HEADQUARTERS, 12300 NEBRASKA AVE., LOS ANGELES, CA.

The following records were not found:
COMPLIANCE ISSUES FOR LA DPW/WEST LA DISTRICT HEADQUARTERS, 12300 NEBRASKA AVE., LOS ANGELES, CA.

YOUR REQUESTED RECORDS WERE PROVIDED ELECTRONICALLY ON 08/17/2018

If you have any questions, please do not hesitate to contact me, Tuesday through Friday, **8:00 a.m**. to **4:30 p.m.**

Sincerely,

STACEY WALKOWIAK x2383
For COLLEEN PAINE
Public Records Coordinator

:sw

CK#.1567

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
NOTIFICATION OF DEMOLITION OR ASBESTOS REMOVAL

#174369

MAIL FORM AND FEE TO SCAQMD, ASBESTOS NOTIFICATIONS, FILE # 55641, LOS ANGELES CA 90074-5641

AQMD USE ONLY	SCREEN BY	RECEIVED	POSTMARK 9/19	ENTERED BY	NOTIFICATION # 30
COMPLETED BY R. CAMPOS	COMPANY L.A. DEPT. OF WATER & POWER		PHONE 213-367-4707		
DATE: 9-14-07	CHECK # 85671	FEE $ 43.02		PROJECT # LRN 47	
NOTIFICATION TYPE	ORIGINAL	REVISION DATES	REVISION OTHER (highlight)	CANCELLATION	
PROJECT TYPE	DEMOLITION	ORDERED DEMOLITION	RENOVATION (removal)	EMERGENCY REMOVAL	PLANNED RENO (annual)
SITE INFORMATION	SITE NAME: WEST LOS ANGELES SERVICE CENTER				
SITE ADDRESS 12300 NEBRASKA AVENUE				CROSS STREET WELLESLEY AVE.	
CITY LOS ANGELES	STATE CA	ZIP 90025	COUNTY LOS ANGELES		
DESCRIBE WORK AND LOCATION	FLOORTILE MASTIC REMOVAL AT FIRST FLOOR				
BUILDING SIZE (SQ FT) 5,000	NUMBER OF FLOORS 1	BUILDING AGE (YEARS) 40+	NUMBER OF DWELLING UNITS		
BLDG PRIOR / PRESENT USE	COMMERCIAL	HOSPITAL	INDUSTRIAL	Other	OFFICE
	PUBLIC BLDG.	HOUSE	SCHOOL	SHIP	UNIV/COLLEGE
SITE OWNER L.A. DEPT. OF WATER & POWER		ADDRESS 111 N. HOPE STREET			
CITY LOS ANGELES	STATE CA	ZIP 90012	CONTACT ROBERT MARTINEZ	PHONE 213-792-5906	
REQUIRED BUILDING INFORMATION	ASBESTOS PRESENT? YES NO	[1]ASBESTOS SURVEY? YES NO	ASBESTOS REMOVED? YES NO	BUILDING TO BE DEMOLISHED? YES NO	
PROJECT DATES	START 10-2-07	END 10-5-07	WORK SHIFT (7 am – 3:30 pm)		
*ASBESTOS AMOUNT TO BE REMOVED (in square feet)	FRIABLE	CLASS I 400	CLASS II	TOTAL AMOUNT (add row) 400	
*ASBESTOS REMOVAL FROM	SURFACES	PIPES	COMPONENTS		
*AMOUNT OF EACH TYPE OF ASBESTOS (in square feet)	ACOUSTIC CEILING	LINOLEUM	INSULATION	FIRE PROOFING	DUCTING
	STUCCO	MASTIC 400			
FLOOR TILES (VAT)	DRY WALL	PLASTER	TRANSITE	ROOFING	OTHER (describe)
CONTRACTOR INFORMATION	CSLB LICENSE # NA	OSHA REG # 222	AQMD ID # 44758		
NAME OWNER	ADDRESS				
CITY	STATE	ZIP	SITE SUPVR ROBERT MARTINEZ	PHONE 213-792-5906	
WASTE TRANSPORTER #1 CLEAN HARBORS		LANDFILL CLEAN HARBORS - BUTTONWILLOW			
ADDRESS 5756 ALBA STREET		ADDRESS 2500 W. LOKERN ROAD			
CITY LOS ANGELES	STATE CA	ZIP 90056	CITY BUTTONWILLOW	STATE CA	ZIP 93206

* Not required for demolition notifications [1] asbestos surveys are required prior to Demolition and Renovation.
Forms, instructions, and Rule 1403 can be obtained from AQMD web site http://www.aqmd.gov

Form REV 20040623

SCAQMD NOTIFICATION OF DEMOLITION OR ASBESTOS REMOVAL

MAIL FORM AND FEE TO SCAQMD, ASBESTOS NOTIFICATIONS, FILE # 55641, LOS ANGELES CA 90074-5641

WASTE TRANSPORTER #2			*** WASTE STORAGE SITE**		
ADDRESS			ADDRESS		
CITY	STATE	ZIP	CITY	STATE	ZIP

*** CONTROLS**: DESCRIBE WORK PRACTICES AND CONTROLS TO BE USED AT THE RENOVATION AND DEMOLITION SITE. Procedure **# 1**, 2, 3, 4, 5 or Other.

For asbestos removals circle the combination of Rule 1403 procedures used. Procedure 4 and 5 submit plans for AQMD prior approval (See procedure 4/5 guidelines)

*** ASBESTOS DETECTION PROCEDURE**: CIRCLE THE PROCEDURES AND ANALYTICAL METHODS USED TO DETERMINE ASBESTOS IN THE BUILDING: Survey, **Bulk Sampling**, Inspection, **PLM**, PCM, TEM, Assumed as Asbestos-PACM, Describe Other (See survey guidelines checklist):

FOR **DEMOLITIONS** GIVE THE COMPANY NAME AND DATES OF THE ASBESTOS REMOVAL:

FOR **ORDERED DEMOLITION** SEND A COPY OF THE ORDER AND GIVE THE AGENCY NAME & PHONE #
AUTHORIZING PERSON: TITLE
DATE OF ORDER: DATE ORDERED TO BEGIN:

* FOR **EMERGENCY ASBESTOS REMOVAL** GIVE THE NAME AND PHONE NUMBER OF THE PERSON DECLARING/AUTHORIZING THE EMERGENCY, DATE AND HOUR OF EMERGENCY AND DESCRIBE THE SUDDEN, UNEXPECTED EVENT:

EXPLAIN HOW THE EVENT WOULD CAUSE UNSAFE CONDITIONS, EQUIPMENT DAMAGE OR UNREASONABLE FINANCIAL BURDEN:

CONTINGENCY PLAN: DESCRIBE ACTIONS TO BE FOLLOWED IF UNEXPECTED ASBESTOS IS FOUND DURING DEMOLITION OR ASBESTOS MATERIAL BECOME DISTURBED, CRUMBLED, PULVERIZED, OR REDUCED TO POWDER. ALL MATERIALS REMOVED ASSUMED TO BE ASBESTOS

*** TRAINING CERTIFICATION:** I certify that an individual trained in the provisions of regulation AQMD Rule 1403 and NESHAP will be on site during the removal and evidence that the required training has been accomplished by this person will be available for inspection during normal business hours.

Company Name	Print name of owner/operator	Signature of owner/operator	Tittle of owner/operator	Date
OWNER	ROBERT MARTINEZ	[illegible] for Robert Martinez	SUPR, ISS INSULATORS	9/14/07

INFORMATION CERTIFICATION: I certify that the above information is correct and I have enclosed any required attachments.

Company Name	Print name of owner/operator	Signature of owner/operator	Tittle of owner/operator	Date
OWNER	BRUCE M. MOORE	[illegible]	SUPR, AIR QUALITY	9/14/07

Notifications can not be accepted without the required fee (Rule 301). Asbestos removals of less than 100 square feet are exempt from notification and fees. Please make checks payable to "SCAQMD". Fees are per notification, not refundable, and vary according to the project size. Fees are as follows:

PROJECT SIZE in ft²	DEMOLITION OR REMOVAL
1,000 or less	**$ 43.02**
1,001 to 5,000	$ 131.53
5,001 to 10,000	$ 307.86
10,001 to 50,000	$ 482.74
50,001 to 100,000	$ 600.00
100,001 or more	$ 1,166.00

ADDITIONAL SERVICE CHARGE
Special Handling Fee --- $ 43.02
Revision to Notification-- $ 43.02
Returned Check Fee ---- $ 31.97
Planned Renovation ----- $ 482.74
Procedure 4 or 5 Plan--- $ 482.74

ATTENTION: Keep a copy of your notification. State law requires that you provide a copy of the demolition notification to Building and Safety before issuance of a demolition permit. For questions call 909-396-2336. Please mail the form and fee to AQMD. Mailing saves time, money and reduces traffic and air pollution

MAIL FORM AND FEE TO: SCAQMD, ASBESTOS NOTIFICATIONS, FILE # 55641, LOS ANGELES CA 90074-5641
TELEPHONE: (909) 396-2336 FAX: (909) 396-3342

FORMS, INSTRUCTIONS, AND RULE 1403 CAN BE OBTAINED FROM AQMD WEB SITE AT http://www.aqmd.gov
SCAQMD is located at 21865 Copley Drive, Diamond Bar, CA 91765-4182 (909) 396-2000

oos0c:env1 09/20/2007 C-4149

South Coast Air Quality Mgmt.

TR# 122000661 Acct# 1459880106 Ser# 1567

Batch 1 Item 30 Batch Total $4,257.39

Check

Page C-30

LAC-055641

Ledger Date 09/20/2007

TID Y-4149030

Amount $43.02

Bank of America
File 8001
Los Angeles, CA 90074-8001
LOCKBOX SERVICES - LA

DEPARTMENT OF WATER AND POWER
SAFETY, HEALTH & ENVIRONMENT PROT.
LOS ANGELES, CALIFORNIA

BANK OF AMERICA
LOS ANGELES, CALIFORNIA
15-66/1220 CA
CT303

1567

PAY TO THE ORDER OF SCAQMD

Date 9-18-07

$ 43.02

Forty-Three 02/100**********

DOLLARS

30

Memo Asbestos rmvl

⑆122000661⑆1567⑈14598⑈80106⑈

Department of Water & Power
CITY OF LOS ANGELES
PO BOX 51111 • LOS ANGELES, CALIFORNIA 90051-5700
BRUCE M. MOORE, RM. 1050
ENVIRONMENTAL AFFAIRS

PRESORTED
FIRST CLASS

UNITED STATES POSTAGE
PITNEY BOWES
02 1A
0004631164
$ 00.34[1]
SEP 19 2007
MAILED FROM ZIP CODE 90012

SOUTH COAST AQMD
ASBESTOS NOTIFICATIONS
FILE #55641
LOS ANGELES, CA 90074-5641

HGSIOA1 90074

DEP 1015

LAC-021621 20160425 2061

CK # 2034

431333

South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4182
Phone: (909)396-2336 (www.aqmd.gov)

South Coast AQMD

Rule 1403 Form Notification of Demolition or Asbestos Removal

USPS-Mail Form and Fee To:
SCAQMD
PO Box 55641
Los Angeles, CA 90074-5641

All Others-Mail Form and Fee To:
Bank of America Lockbox Services
Lockbox # 55641
2706 Media Center Drive
Los Angeles, CA 90065

[1] Fax these type of Notification Forms to ***(909)396-3342*** and mail the originals within 48 hrs

Project Type: DEMOLITION ☐ DEMOLITION (Fire Training) ☐ ASBESTOS REMOVAL (Renovation) ☑ PLANNED RENO (Annual) ☐ [1]PROCEDURE 4 PLAN ☐ [1]PROCEDURE 5 PLAN ☐

Project Urgency: EMERGENCY ☐ ORDERED ☐

Notification Type: ORIGINAL ☑ [1]CANCELLATION ☐ [1]REVISION AMOUNT ☐ [1]REVISION DATES ☐ [1]REVISION OTHER ☐

Contractor Information: Notifications should be submitted by the contractor performing the project

CSLB License: Exempt | Cal. OSHA REG: 222 | AQMD ID: 44758 | CHECK: | FEE: $ 57.98 | DATE: 04/21/2016 | PROJECT #: LCR09

Company Name: Department of Water and Power - City of Los Angeles | List Site Supervisor(s): | Phone:

Address: 111 North Hope Street | Cary Lewis | (213) 792-8375

City: Los Angeles | State: CA | Zip: 90012

Completed by: Dat Quach | Phone: (213) 367-4697

Site Information: Copies of this notification and the CAC asbestos survey report must be kept at the worksite during this project

Site Name: LADWP West Los Angeles Service Center

Site Address: 12300 Nebraska Avenue | Cross Street: South Bundy Drive

Site City: Los Angeles | State: CA | Zip: 90025 | County: Los Angeles

Site Owner: Department of Water and Power - City of Los Angeles | Contact: Cary Lewis | Phone: (213) 792-8375

Owner Address: 111 North Hope Street | City: Los Angeles | State: CA | Zip: 90012

Describe Work: Removal of Vinyl Floor tiles and mastics

Describe Work Location (s): Street Light Office

Removal Project Start Date: 05/09/2016 | Removal Project End Date: 05/13/2016 | Project Work Shift: Day ○ Swing ◉ Night ○

[2] ***BUILDING SIZE in sq ft***: 1200.00 | Number of Floors: 1 | Building Age (Years): 60 | Number of Buildings or Dwelling Units: 8

Building Prior/ Present Use: SCHOOL ☐ HOSPITAL ☐ CONDO/ APT ☐ PUBLIC BLDG. ☐ INDUSTRIAL ☐ COMMERCIAL ☐ OFFICE ☑ UNI/COLLEGE ☐ HOUSE ☐ SHIP ☐ OTHER: Maintenance Yard

Required Building Information: ASBESTOS SURVEY? YES ◉ NO ○ | ASBESTOS FOUND? YES ◉ NO ○ | ASBESTOS REMOVED? YES ○ NO ◉ | BUILDING TO BE DEMOLISHED? YES ○ NO ◉

Asbestos Information: Do not provide this information in demolition notifications, see pg 2

Asbestos Amount to be Removed in sq ft: FRIABLE | CLASS I: 800.00 | CLASS II | [2] ***TOTAL AMOUNT***: 800.00

Amount of Each Type of Asbestos in sq ft: ACOUSTIC CEILING | LINOLEUM | INSULATION | FIRE PROOFING | DUCTING | STUCCO | MASTIC: 400.00 | FLOOR TILES (VAT): 400.00 | DRYWALL | PLASTER | TRANSITE | ROOFING | OTHER | PLEASE DESCRIBE OTHER TYPE OF ASBESTOS:

Asbestos Removal From: SURFACES ☑ PIPES ☐ COMPONENTS ☐

Asbestos Detection Procedures: Check the procedures and analytical methods used to determine the presence of asbestos in the building. See *Survey Checklist*
SURVEY ☐ BULK SAMPLING ☑ INSPECTION ☐ CAC ASSUMED AS ASBESTOS-PACM ☐ PLM ☑ PCM ☐ TEM ☐

Controls: Check the combination of Rule 1403 procedures used to control asbestos emissions. (Procedure 4 and 5 submit plans for AQMD prior approval)
PROCEDURE NUMBER 1 ☑ 2 ☐ 3 ☐ 4 ☐ 5 ☐

Emergency Asbestos Removal: Check the sudden unexpected event and attach a letter from the person affected by the emergency explaining how this event caused unsafe conditions, equipment damage or unreasonable financial burden. For disturbed/damaged asbestos materials see *Procedure 5 Guidelines*.

FIRE ☐ FLOOD ☐ WATER DAMAGE ☐ EARTHQUAKE ☐ NUISANCE ☐ VANDALISM ☐ HEALTH/SAFETY ☐ FINANCIAL BURDEN ☐ EQUIPMENT DAMAGE ☐ OTHER

Name of Person Declaring/ Authorizing the Emergency | Phone | Date of Emergency | Hour of Emergency

AQMD USE ONLY: SCREENED BY | RECEIVED | POSTMARKED | ENTERED BY | NOTIFICATION #

[2] Fees are per Notification and vary according to the [2]***TOTAL AMOUNT*** of asbestos removed or the demolition [2]***BUILDING SIZE***

4/22/16

South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4182
Phone: (909)396-2336 (www.aqmd.gov)

South Coast AQMD

Rule 1403 Form Notification of Demolition or Asbestos Removal

USPS-Mail Form and Fee To:
SCAQMD
PO Box 55641
Los Angeles, CA 90074-5641

All Others-Mail Form and Fee To:
Bank of America Lockbox Services
Lockbox # 55641
2706 Media Center Drive
Los Angeles, CA 90065

Demolition Information: All asbestos containing materials must be removed *prior* to any demolition activity

Asbestos Removal Company Name _____ Date of Asbestos Removal _____

Check work practices to prevent, suppress and contain dust, and dust controls to be use at the demolition site

SPRAY WATER ☐ EXIT GRATES ☐ TARP TRUCKS/BINS ☐ FENCE SCREENS ☐ STONE TRUCK PADS ☐ TIRE WASHING ☐ SOIL STABILIZERS ☐ OTHER _____

Contingency Demolition Plan: Check actions to be followed if unexpected asbestos is found during demolition or asbestos material becomes disturbed, crumbled, pulverized or reduced to powder. Disturbed/Damaged ACM requires a Procedure 5 Plan Approval prior to clean-up (See *Procedure 5 Guidelines*)

STOP WORK ☐ NOTIFY OWNER ☐ SECURE ☐ STABILIZE ☐ POST SIGNS ☐ ISOLATE WORK AREA ☐ SURVEY ☐ CHARACTERIZE WASTE ☐ OTHER _____

Ordered Demolition: Attach a copy of the agency order

Agency Name _____ Phone _____ Date of Order _____

Authorizing Person _____ Title _____ Date Ordered to Begin _____

Waste Information

WASTE TRANSPORTER #1 Clean Harbors
Address 5756 Alba Street
City Los Angeles State CA Zip 90056

WASTE TRANSPORTER #2 _____
Address _____
City _____ State _____ Zip _____

WASTE STORAGE SITE LADWP West Los Angeles Service Center
Address 12300 Nebraska Avenue
City Los Angeles State CA Zip 90025

LANDFILL Clean Harbors - Buttonwillow
Address 2500 W. Lokern Rd.
City Buttonwillow State CA Zip 93206

Contractor Certification: All contractors or owner/operator submitting this notification must sign this form

I certify that an individual trained in the provisions of regulations AQMD *Rule 1403* and the *Asbestos NESHAP Title 40 CFR Part 61 Subpart M* will be on site during the demolition or renovation and evidence that the required training has been accomplished by this person will be available for inspection during normal business hours. I hereby certify that all of the information contained herein and information submitted with this notification is true and correct.

Company Name Department of Water and Power - City of Los Angeles
Title of Owner/Operator Manager of Air Quality
Print Name of Owner/Operator Dat Quach
Signature of Owner/Operator DQuach
Date 4/21/2016

Notification Fee: No notifications shall be considered received pursuant to *Rule 1403*, unless it is accompanied by the required payment (*Rule 301*, Table VI). Please make check payable to "SCAQMD". Fees are per notification and vary according to the [2]*TOTAL AMOUNT* of asbestos removed or the demolition [2]*BUILDING SIZE*. The Revision Amount fee is the difference between the new Project Size Fee category and the original Project Size Fee category (See *Fee Information*)

Project Size Fee: $ 57.98
Additional Fee: $ 0.00
Total Fee Due: $ 57.98

Fee Based on Project Size (sq ft)			Additional Fees		
1,000 or less	$ 57.98	☑	Special Handling Fee	$ 57.98	☐
1,001 to 5,000	$ 177.28	☐	Revision to Notification	$ 57.98	☐
5,001 to 10,000	$ 414.99	☐	Returned Check Fee	$ 25.00	☐
10,001 to 50,000	$ 650.71	☐	Planned Renovation	$ 650.71	☐
50,001 to 100,000	$ 943.05	☐	Procedure 4 or 5 Plan	$ 650.71	☐
100,001 or more	$ 1,571.74	☐	Expedited 4 or 5 Plan	$ 325.35	☐

Attention

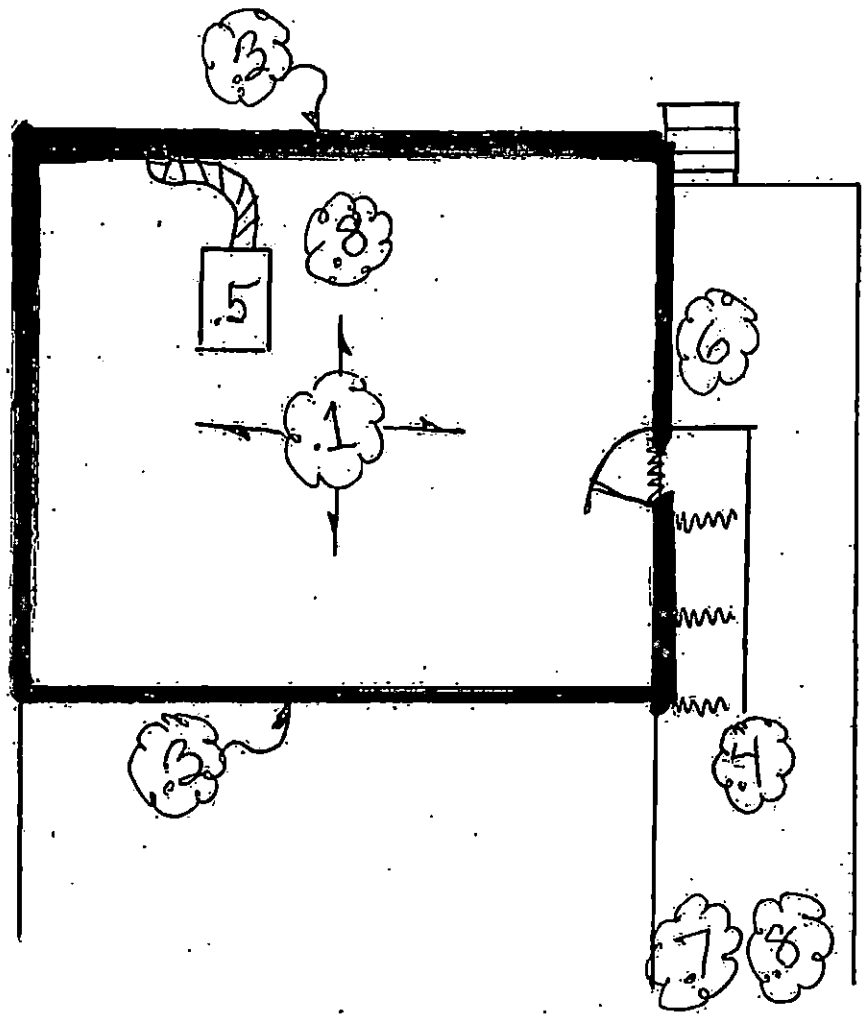
Keep Three (3) Copies of This Notification Form for your records, to post at the worksite, and to obtain a city demolition permit. See *California Health and Safety Code 19827.5* that requires that you provide a copy of the demolition notification to Building and Safety before issuance of a demolition permit. For questions call 909-396-2336. Forms, instructions and *Rule 1403* can be obtained from the AQMD website at *http://www.aqmd.gov*. Please mail this signed original notification form, fee, and any attachments to: For USPS: SCAQMD, PO Box 55641, Los Angeles, CA 90074-5641; For ALL OTHER: Bank of America Lockbox Services, Lockbox # 55641, 2706 Media Center Drive, Los Angeles, CA 90065. Mailing saves time, money and reduces traffic and air pollution.

Project # LCR09

CODE 8701155 (REV. 2-72)
CITY OF LOS ANGELES
DEPARTMENT OF WATER & POWER

ENGINEERING DATA SHEET	Sheet No.		Date
Street Light Office 12300 Nebraska Ave. W.L.A. 90025	Prepared		
	Checked		
	Approved		

1. Removal Area
2. North Indicator.
3. Area Undergoing Removal. [redacted]
4. Entrance and Exit to Work Area.
5. Negative Air Machine.
6. Emerancy Power Shut off.
7. Emergency Fire Department Disposable Clothing
8. Fire Extinguisher.



DEP 1013

LAC-021621 20160425 2057

Deposited Check Copy

Bank of America Merrill Lynch

DEPARTMENT OF WATER AND POWER
CITY OF LOS ANGELES
ENVIRONMENTAL AFFAIRS
TRUST FUND

WELLS FARGO Wells Fargo Bank, N A

002034
11-24/1210

DATE April 21, 2016

PAY TO THE ORDER OF South Coast Air Quality Management District $ 57.98

Fifty-Seven Dollars and 98/100********** DOLLARS

VOID AFTER 90 DAYS

MEMO Asbestos Removal Notification

TWO SIGNATURES REQUIRED IF OVER $1000 00

⑈002034⑈ ⑆121000248⑆ 4121757272⑈

cannot be represented as it was already deposited.

General Information

Lockbox Name: South Coast Air Quality Mgmt.
Lockbox Number: LAC-055641
Document Type: Processed Check
Processing Date: 04/25/2016

Deposit Information

Ledger Date: 04/25/2016
Deposit Cut: 17
Batch Total: $11,795.80
Deposit Total: $40,292.94

Transaction Information

Transaction ID: Y-8983058
Transaction Type: Check
ABA/RT : %121000248%
Account #: 4121757272
Check #: 002034
Amount : $57.98
Origin: US
Batch: Batch 3 - Item 7
Group: 0 -

If you have any questions, please contact us at:

Email: lockbox_customer_service@bankofamerica.com
Phone 1.800.376.2703

DEPARTMENT OF WATER AND POWER CITY OF LOS ANGELES ENVIRONMENTAL AFFAIRS TRUST FUND

002034

April 21, 2016

South Coast Air Quality Management District $57.98

WO# LCR09
Asbestos Removal Notification

D. Quach

DEP 1018

LAC-021621 20160425 2067

Bank of America Merrill Lynch

General Information	Envelope Information	Documents
Lockbox Name: South Coast Air Quality Mgmt.	Envelope ID: EA-8983.00a.115.0058	Transaction ID: Y-8983058
Lockbox Number: LAC-055641	Package Contents:	Batch: Batch 3 - Item 7
Document Type: Envelope	Checks: 1	Group: 0 -
Processing Date: 04/25/2016	Correspondence: 0	

Department of Water & Power
CITY OF LOS ANGELES
PO BOX 51111 • LOS ANGELES, CALIFORNIA 90051-5700
Dat Quach, Rm 1050

TUE/20/16 LA CA 90

PRESORTED FIRST CLASS

U.S. POSTAGE » PITNEY BOWES
ZIP 90012 $ 000.45²
02 1W
0001387317 APR 22 2016

ID#9999 55641 141514329
SCAQMD
PO Box 55641
Los Angeles, CA 90074-5641

8 CDG-JMP 90074

Los Angeles Dept. of Water & Power
111 N. Hope Street
Los Angeles, CA 90012-2607

FAX

Date: 4/21/2016

Number of pages including cover sheet: **4**

To: South Coast AQMD	
ASBESTOS NOTIFICATIONS	
FILE # 55641	
LOS ANGELES, CA 90074-5641	
Phone	909-396-2336
Fax	909-396-3342

From: Dat Quach	
L A Dept. of Water & Power	
111 N. Hope St. Rm.1050	
Los Angeles, CA 90012	
E-Mail	Dat.Quach@ladwp.com
Phone	(213) 367-4697
Fax Phone	(213) 367-4710

REMARKS:

☐ Urgent ☒ For your review ☐ Reply ASAP ☐ Please comment

Re: Notification for Asbestos Removal

The City of Los Angeles – Department of Water and Power is submitting a notification for an asbestos removal project located at:

LADWP West LA Service Center
12300 Nebraska Avenue
Los Angeles, CA 90025

The hard copy of the notification and a check of $57.98 will be mailed.

Thank you.

D Quach

South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4182
Phone: (909)396-2336 (www.aqmd.gov)

Rule 1403 Form Notification of Demolition or Asbestos Removal

USPS-Mail Form and Fee To:
SCAQMD
PO Box 55641
Los Angeles, CA 90074-5641

All Others-Mail Form and Fee To:
Bank of America Lockbox Services
Lockbox # 55641
2706 Media Center Drive
Los Angeles, CA 90065

[1] Fax these type of Notification Forms to ***(909)396-3342*** and mail the originals within 48 hrs

Project Type: DEMOLITION ☐ | DEMOLITION (Fire Training) ☐ | ASBESTOS REMOVAL (Renovation) ☑ | PLANNED RENO (Annual) ☐ | [1]PROCEDURE 4 PLAN ☐ | [1]PROCEDURE 5 PLAN ☐

Project Urgency: EMERGENCY ☐ | ORDERED ☐

Notification Type: ORIGINAL ☑ | [1]CANCELLATION ☐ | [1]REVISION AMOUNT ☐ | [1]REVISION DATES ☐ | [1]REVISION OTHER ☐

Contractor Information: Notifications should be submitted by the contractor performing the project

CSLB License: Exempt | Cal. OSHA REG: 222 | AQMD ID: 44758 | CHECK: | FEE: $ 57.98 | DATE: 04/21/2016 | PROJECT #: LCR09

Company Name: Department of Water and Power - City of Los Angeles
List Site Supervisor(s): Cary Lewis
Phone: (213) 792-8375

Address: 111 North Hope Street
City: Los Angeles | State: CA | Zip: 90012
Completed by: Dat Quach | Phone: (213) 367-4697

Site Information: Copies of this notification and the CAC asbestos survey report must be kept at the worksite during this project

Site Name: LADWP West Los Angeles Service Center
Site Address: 12300 Nebraska Avenue | Cross Street: South Bundy Drive
Site City: Los Angeles | State: CA | Zip: 90025 | County: Los Angeles
Site Owner: Department of Water and Power - City of Los Angeles | Contact: Cary Lewis | Phone: (213) 792-8375
Owner Address: 111 North Hope Street | City: Los Angeles | State: CA | Zip: 90012
Describe Work: Removal of Vinyl Floor tiles and mastics
Describe Work Location (s): Street Light Office
Removal Project Start Date: 05/09/2016 | Removal Project End Date: 05/13/2016 | Project Work Shift: Day ○ Swing ● Night ○
[2]*BUILDING SIZE in sq ft*: 1200.00 | Number of Floors: 1 | Building Age (Years): 60 | Number of Buildings or Dwelling Units: 8

Building Prior/ Present Use: SCHOOL ☐ | HOSPITAL ☐ | CONDO/APT ☐ | PUBLIC BLDG. ☐ | INDUSTRIAL ☐ | COMMERCIAL ☐ | OFFICE ☑ | UNI/COLLEGE ☐ | HOUSE ☐ | SHIP ☐ | OTHER: Maintenance Yard

Required Building Information: ASBESTOS SURVEY? YES ● NO ○ | ASBESTOS FOUND? YES ● NO ○ | ASBESTOS REMOVED? YES ○ NO ● | BUILDING TO BE DEMOLISHED? YES ○ NO ●

Asbestos Information: Do not provide this information in demolition notifications, see pg 2

Asbestos Amount to be Removed in sq ft: FRIABLE: | CLASS I: 800.00 | CLASS II: | [2]*TOTAL AMOUNT*: 800.00

Amount of Each Type of Asbestos in sq ft:

ACOUSTIC CEILING	LINOLEUM	INSULATION	FIRE PROOFING	DUCTING	STUCCO	MASTIC	FLOOR TILES (VAT)
						400.00	400.00

DRYWALL	PLASTER	TRANSITE	ROOFING	OTHER	PLEASE DESCRIBE OTHER TYPE OF ASBESTOS:

Asbestos Removal From: SURFACES ☑ | PIPES ☐ | COMPONENTS ☐

Asbestos Detection Procedures: Check the procedures and analytical methods used to determine the presence of asbestos in the building. See *Survey Checklist*
SURVEY ☐ | BULK SAMPLING ☑ | INSPECTION ☐ | CAC ASSUMED AS ASBESTOS-PACM ☐ | PLM ☑ | PCM ☐ | TEM ☐

Controls: Check the combination of Rule 1403 procedures used to control asbestos emissions. (Procedure 4 and 5 submit plans for AQMD prior approval)
PROCEDURE NUMBER: 1 ☑ | 2 ☐ | 3 ☐ | 4 ☐ | 5 ☐

Emergency Asbestos Removal: Check the sudden unexpected event and attach a letter from the person affected by the emergency explaining how this event caused unsafe conditions, equipment damage or unreasonable financial burden. For disturbed/damaged asbestos materials see *Procedure 5 Guidelines*.

FIRE	FLOOD	WATER DAMAGE	EARTHQUAKE	NUISANCE	VANDALISM	HEALTH/SAFETY	FINANCIAL BURDEN	EQUIPMENT DAMAGE	OTHER
☐	☐	☐	☐	☐	☐	☐	☐	☐	

Name of Person Declaring/ Authorizing the Emergency: | Phone: | Date of Emergency: | Hour of Emergency:

AQMD USE ONLY: SCREENED BY | RECEIVED | POSTMARKED | ENTERED BY | NOTIFICATION #

[2] Fees are per Notification and vary according to the [2]***TOTAL AMOUNT*** of asbestos removed or the demolition [2]***BUILDING SIZE***

South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4182
Phone: (909)396-2336 (www.aqmd.gov)

South Coast AQMD

Rule 1403 Form Notification of Demolition or Asbestos Removal

USPS-Mail Form and Fee To:
SCAQMD
PO Box 55641
Los Angeles, CA 90074-5641

All Others-Mail Form and Fee To:
Bank of America Lockbox Services
Lockbox # 55641
2706 Media Center Drive
Los Angeles, CA 90065

Demolition Information: All asbestos containing materials must be removed ***prior*** to any demolition activity

Asbestos Removal Company Name _____ Date of Asbestos Removal _____

Check work practices to prevent, suppress and contain dust, and dust controls to be use at the demolition site

SPRAY WATER ☐ EXIT GRATES ☐ TARP TRUCKS/BINS ☐ FENCE SCREENS ☐ STONE TRUCK PADS ☐ TIRE WASHING ☐ SOIL STABILIZERS ☐ OTHER _____

Contingency Demolition Plan: Check actions to be followed if unexpected asbestos is found during demolition or asbestos material becomes disturbed, crumbled, pulverized or reduced to powder. Disturbed/Damaged ACM requires a Procedure 5 Plan Approval prior to clean-up (See *Procedure 5 Guidelines*)

STOP WORK ☐ NOTIFY OWNER ☐ SECURE ☐ STABILIZE ☐ POST SIGNS ☐ ISOLATE WORK AREA ☐ SURVEY ☐ CHARACTERIZE WASTE ☐ OTHER _____

Ordered Demolition: Attach a copy of the agency order

Agency Name _____ Phone _____ Date of Order _____

Authorizing Person _____ Title _____ Date Ordered to Begin _____

Waste Information

WASTE TRANSPORTER #1 Clean Harbors
Address 5756 Alba Street
City Los Angeles State CA Zip 90056

WASTE TRANSPORTER #2 _____
Address _____
City _____ State _____ Zip _____

WASTE STORAGE SITE LADWP West Los Angeles Service Center
Address 12300 Nebraska Avenue
City Los Angeles State CA Zip 90025

LANDFILL Clean Harbors - Buttonwillow
Address 2500 W. Lokern Rd.
City Buttonwillow State CA Zip 93206

Contractor Certification: All contractors or owner/operator submitting this notification must sign this form

I certify that an individual trained in the provisions of regulations AQMD *Rule 1403* and the *Asbestos NESHAP Title 40 CFR Part 61 Subpart M* will be on site during the demolition or renovation and evidence that the required training has been accomplished by this person will be available for inspection during normal business hours. I hereby certify that all of the information contained herein and information submitted with this notification is true and correct.

Company Name Department of Water and Power - City of Los Angeles Title of Owner/Operator Manager of Air Quality

Print Name of Owner/Operator Dat Quach Signature of Owner/Operator DQuach Date 4/21/2016

Notification Fee: No notifications shall be considered received pursuant to *Rule 1403*, unless it is accompanied by the required payment (*Rule 301*, Table VI). Please make check payable to "SCAQMD". Fees are per notification and vary according to the [2]***TOTAL AMOUNT*** of asbestos removed or the demolition [2]***BUILDING SIZE***. The Revision Amount fee is the difference between the new Project Size Fee category and the original Project Size Fee category (See *Fee Information*)

Project Size Fee: $ 57.98
Additional Fee: $ 0.00
Total Fee Due: $ 57.98

Fee Based on Project Size (sq ft)			Additional Fees		
1,000 or less	$ 57.98	✓	Special Handling Fee	$ 57.98	☐
1,001 to 5,000	$ 177.28	☐	Revision to Notification	$ 57.98	☐
5,001 to 10,000	$ 414.99	☐	Returned Check Fee	$ 25.00	☐
10,001 to 50,000	$ 650.71	☐	Planned Renovation	$ 650.71	☐
50,001 to 100,000	$ 943.05	☐	Procedure 4 or 5 Plan	$ 650.71	☐
100,001 or more	$ 1,571.74	☐	Expedited 4 or 5 Plan	$ 325.35	☐

Attention

Keep Three (3) Copies of This Notification Form for your records, **to post at the worksite**, and to obtain a city demolition permit. See *California Health and Safety Code 19827.5* that requires that you provide a copy of the demolition notification to Building and Safety before issuance of a demolition permit. For questions call 909-396-2336. Forms, instructions and *Rule 1403* can be obtained from the AQMD website at *http://www.aqmd.gov*. Please mail this signed original notification form, fee, and any attachments to: For USPS: SCAQMD, PO Box 55641, Los Angeles, CA 90074-5641; For ALL OTHER: Bank of America Lockbox Services, Lockbox # 55641, 2706 Media Center Drive, Los Angeles, CA 90065. Mailing saves time, money and reduces traffic and air pollution.

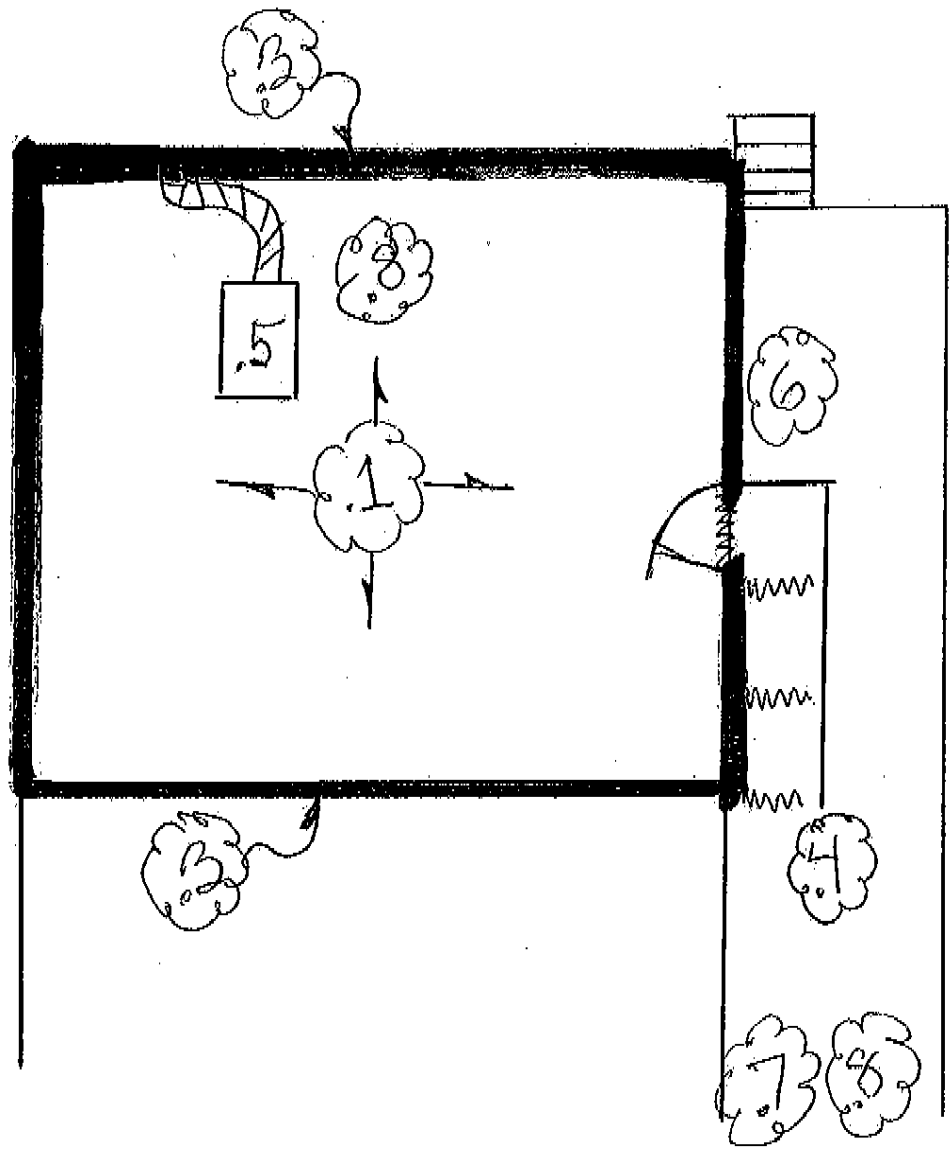
Project # LCR09

ENGINEERING DATA SHEET

Sheet No.		Date
Prepared		
Checked		
Approved		

Street Light Office
12300 Nebraska Ave. W.L.A. 90025

1. Removal Area
2. North Indicator.
3. Area Undergoing Removal. [redacted]
4. Entrance and Exit to Work Area.
5. Negative Air Machine.
6. Emergency Power Shut off.
7. Emergency Fire Department Disposable Clothing
8. Fire Extinguisher.



CODE 870 1155 (REV. 2-72)
CITY OF LOS ANGELES
DEPARTMENT OF WATER & POWER

SCAQMD Notification Report

Notification 31477

Run Date: 8/8/2018 14:55:56

Receive By:	JESSEM on 7/22/2002 08:00:00	Assignment No: 718793	Inspection Date:
Assign By:		Inspector:	
Dispatch On:		Disposition:	
Team:	X	AIRS ID:	
Activity:	R1403 ASBESTOS REMOVAL	Title V:	
Instruction:			
Description:	CK#1168 $56.01 (SB EMER - NO LETTER)		
Instance Start Date:	07/23/2002 00:00	Instance End Date:	07/24/2002 00:00
		Status	

Notifier

Facility: 99497 L A DEPT OF WATER & POWER,HAYNES GEN STN

First Name: Last Name: ANONYMOUS

Facility TS:

Address: 6801 WESTMINISTER ST, Unit 500, LONG BEACH, CA 90803

Phone:

Site Location

Facility: WEST LA DISTRICT LRK61

Facility TS:

Address: 12300 NEBRASKA, LOS ANGELES, CA 90025 (Sector VM)

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

SCAQMD Notification Report

Notification 431333

Run Date: 8/8/2018 14:56:08

Receive By:	CPONCE on 4/21/2016 08:14:00	Assignment No: 1557390	Inspection Date:
Assign By:		Inspector:	
Dispatch On:		Disposition:	
Team:	X	AIRS ID:	
Activity:	R1403 ASBESTOS REMOVAL	Title V:	
Instruction:			

Description: REMOVAL OF VINYL FLOORS AND MASTICS; STREET LIGHT OFFICE; CHECK #2034; $57.98

Instance Start Date: 05/09/2015 00:00

Instance End Date: 05/13/2015 00:00

Status

Notifier

Facility: 44758 LA CITY, DWP

First Name: Last Name: ANONYMOUS

Facility TS:

Address: VARIOUS LOCATIONS IN SCAQMD, Unit 800, LOS ANGELES, CA 90012

Phone: (213)367-4697 (Work)

Site Location

Facility: $F; LADWP - CITY OF LOS ANGES, LCR09

Facility TS:

Address: 12300 NEBRASKA AVE, LOS ANGELES, CA 90025 (Sector VM)

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

SCAQMD Notification Report

Notification 174369

Run Date: 8/8/2018 14:55:30

Receive By:	JPEREZ on 9/19/2007 15:53:00	Assignment No:	1019183	Inspection Date:	
Assign By:		Inspector:			
Dispatch On:		Disposition:			
Team:	X	AIRS ID:			
Activity:	R1403 ASBESTOS REMOVAL	Title V:			
Instruction:					

Description: floor tile mastic removal at first floor; ck#: 1567/$43.02

Instance Start Date: 10/02/2007 00:00 Instance End Date: 10/05/2007 00:00

Status

Notifier

Facility: 44758 LA CITY, DWP

First Name: Last Name: ANONYMOUS

Facility TS:

Address: 111 N HOPE ST, Unit 400, LOS ANGELES, CA 90012

Phone:

Site Location

Facility: WEST LOS ANGELES SERV.CNTR;#LRN 47

Facility TS:

Address: 12300 NEBRASKA AVE, LOS ANGELES, CA 90025 (Sector VM)

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
N8109
A/N 353352

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner
or Operator:

ID 004471

LA CITY, DWP
WEST LA SERVICE CENTER
P.O. BOX 51111 RM. 1050
LOS ANGELES, CA 90051-0100

Equipment Location: 12300 NEBRASKA AVE., LOS ANGELES, CA 90025-3628

Equipment Description:

Fuel Storage and Dispensing Facility Consisting of:

1) 2 - GASOLINE ABOVEGROUND STORAGE TANKS, BAKERSFIELD ENVIROVAULT TYPE (G-70-167), STANDING HORIZONTALLY, 11'-0" L. x 6'-10" W. x 5'-11" H., 2000-GALLON CAPACITY, CONCRETE INSULATION, WITH PRESSURE/VACUUM RELIEF VALVES, AND SUBMERGED FILL TUBES.

2) 3 - GASOLINE NOZZLES WITH 12'-0" L. HOSES ON TANK TOP MOUNTED DISPENSERS. PHASE II VRS BALANCE RETRACTOR (G-70-52-AM), BALANCE SYSTEM.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.

4. EXCEPT FOR DIESEL TRANSFERS, PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.

5. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

6. PHASE II VAPOR RECOVERY SYSTEMS SHALL BE INSTALLED, OPERATED, AND MAINTAINED SUCH THAT THE MAXIMUM ALLOWABLE PRESSURE DROP THROUGH THE SYSTEM INCLUDING NOZZLE, VAPOR HOSE, SWIVELS, AND UNDERGROUND PIPING DOES NOT EXCEED THE DYNAMIC BACK PRESSURE RATES DESCRIBED BY THE CALIFORNIA AIR RESOURCES BOARD EXECUTIVE ORDER BY WHICH THE SYSTEM WAS CERTIFIED:

NITROGEN FLOWRATES (CFH)	DYNAMIC BACK PRESSURE (INCHES OF WATER)
20	0.15
60	0.45
100	0.95

AT LEAST ONCE EVERY FIVE CALENDAR YEARS FROM THE ISSUANCE DATE OF THIS PERMIT TO OPERATE, DYNAMIC BACK PRESSURE TESTS SHALL BE CONDUCTED TO DETERMINE THE PHASE II SYSTEM VAPOR RECOVERY BACK PRESSURE RATES. THE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.4. RESULTS SHALL BE SUBMITTED TO THE DISTRICT, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN THIRTY (30) DAYS OF TESTS.

THE AQMD SHALL BE NOTIFIED AT TELEPHONE NUMBER (909) 396-3886 AT LEAST TWENTY-FOUR HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTORS; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE DYNAMIC BACK PRESSURE TEST.

7. AT LEAST ONCE EVERY FIVE CALENDAR YEARS FROM THE ISSUANCE DATE OF THIS PERMIT TO OPERATE, A STATIC PRESSURE LEAK DECAY TEST SHALL BE CONDUCTED TO DEMONSTRATE THAT THE STORAGE TANKS, THE REMOTE AND/OR NOZZLE VAPOR RECOVERY CHECK VALVES, ASSOCIATED VAPOR RETURN PIPING AND FITTINGS ARE FREE FROM VAPOR LEAKS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.3. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN THIRTY (30) DAYS OF TEST.

THE AQMD SHALL BE NOTIFIED AT TELEPHONE NUMBER (909) 396-3886 AT LEAST TWENTY-FOUR HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTORS; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE STATIC PRESSURE LEAK DECAY TEST.

8. IF THE CARB EXECUTIVE ORDER REQUIRES THE INSTALLATION OF A LIQUID REMOVAL DEVICE, A LIQUID REMOVAL RATE TEST SHALL BE CONDUCTED TO DEMONSTRATE THE REMOVAL OF GASOLINE FROM THE VAPOR PASSAGE OF THE COAXIAL HOSE. THE TEST SHALL BE CONDUCTED WITHIN THIRTY DAYS OF INITIAL INSTALLATION AND IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.6. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN THIRTY (30) DAYS OF TEST.

CONTINUATION OF PERMIT TO OPERATE

THE SCAQMD SHALL BE NOTIFIED AT TELEPHONE NUMBER (909) 396-3886 AT LEAST TWENTY-FOUR HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTORS; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE LIQUID REMOVAL RATE TEST.

9. ALL DAILY INSPECTION RECORDS SHALL BE COMPLETED IMMEDIATELY AFTER THE DAILY INSPECTION.

10. ALL RECORDS AND TEST RESULTS THAT ARE REQUIRED TO BE MAINTAINED BY RULE 461 SHALL BE KEPT ON SITE AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

11. THE MAXIMUM QUANTITY OF GASOLINE DISPENSED FROM THE STORAGE TANKS AT THIS FACILITY SHALL NOT EXCEED 10000 GALLONS IN ANY ONE CALENDAR MONTH NOR 120000 GALLONS IN ANY ONE CALENDAR YEAR.

12. RECORDS OF MONTHLY AND ANNUAL FUEL DISPENSED SHALL BE PREPARED, SHALL BE RETAINED ON SITE FOR TWO YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M. Bailey/mv02
1/19/2000

FILE COPY

South Coast Air Quality Management District

NC E38126

Run Date : 8/8/2018 16:12:59

Company

Facility:	LA CITY, DWP (ID: 4471)
Location Address:	12300 NEBRASKA, AVE LOS ANGELES, CA 90025
Mailing Address:	111 N HOPE, ST LOS ANGELES, CA 90012
AIRS ID	

Violation

Notice Issued Date:	12/14/2016
Violation Date:	12/14/2016
Serve To:	LANCE GORNICK
Title:	SUPERVISOR
Issue By:	HUY QUOC DANG (Team: I)
Assignment No.:	1599613
Compliance Achieved Date:	12/17/2016
Equipment Description:	
Compliance Requirements:	Need orange sticker affixed to equipment at all times. Registration certificate shall be kept on the immediate premises.

Disposition

Final Action Code:	CLO 12/30/2016 00:00:00
Due Date:	1/14/2017
Violation Days:	0

Rule/Comment

TITLE13ARTICLE5S

Emittent

Follow-Up

Status: INCOMP Inspector ID: HD03 Inspection Date: 12/17/16 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: swalko

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 08/08/2018 02:45 PM

Facility: 4471 LA CITY, DWP
Status: Active
MR: 1405 SIC: 4941 Team: I
Last Inspection: 11/14/2014 On Hold: Suspended: TS: TS-11 Industrial: Sector-based Inspections
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: ROBERT PFEIFFER (213) 3677458 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1466180
Location Address: 12300 NEBRASKA AVE, LOS ANGELES 90025-3628 Sector:VM
Inspector: BP02 BULLINGTON PHAM
Mailing Address: P.O. BOX 51111, LOS ANGELES 90012 Sector:CB
Inspection Date: 11/14/2014
Instruction:
Disposition: Operating in Compliance at time of inspection

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
433698				248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	08/17/2004	APPLICATION CANCELLED, KEEP FILING FEES
563893	N28466	06/13/2014	ACTIVE	248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	04/25/2014	PERMIT TO OPERATE GRANTED
544533	N27146	12/06/2012	INACTIVE	248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	11/02/2012	PERMIT TO OPERATE GRANTED
451263	F82778	06/22/2006	ACTIVE	043901	BCAT	I C E (50-500 HP) EM ELEC GEN-DIESEL	11/29/2005	PERMIT TO OPERATE GRANTED
429823	N14435	06/04/2004	INACTIVE	248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	04/15/2004	PERMIT TO OPERATE GRANTED
353352	N8109	01/19/2000	INACTIVE	248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	12/23/1998	PERMIT TO OPERATE GRANTED
312328	D98026	04/16/1996	INACTIVE	043901	BCAT	I C E (50-500 HP) EM ELEC GEN-DIESEL	02/28/1996	PERMIT TO OPERATE GRANTED
300474	N02215	03/13/1995	INACT_NR	248900	BCAT	STORAGE TANK GASOLINE	01/31/1995	PERMIT TO OPERATE GRANTED
217448	M97483	08/31/1991	INACT_NR	248900	BCAT	STORAGE TANK GASOLINE	12/14/1989	PERMIT TO OPERATE GRANTED
217448	M97483	08/31/1991	INACT_NR	92	CCAT	FLARE SYSTEM, REFINERY	12/14/1989	PERMIT TO OPERATE GRANTED
102229	M82443	08/08/1984	INACTIVE	248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	03/26/1982	PERMIT TO OPERATE GRANTED
102229	M82443	08/08/1984	INACTIVE	90	CCAT	AMINE (OR DEA) REGENERATION	03/26/1982	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO CONSTRUCT/OPERATE

Permit No.
D98026
A/N 312328

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner or Operator: LA CITY DWP, WEST LA SERVICE CTR
12270 NEBRASKA AVE
WEST LOS ANGELES, CA 90025

ID 107691

Equipment Location: 12270 NEBRASKA AVE, WEST LOS ANGELES, CA 90025

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 6BT5.9-G2, 6 CYLINDERS, TURBOCHARGED AND AFTERCOOLED, 166 BHP.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 199 HOURS IN ANY ONE YEAR.

4. AN ENGINE OPERATING LOG, LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.

5. A TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.

6. SULFUR CONTENT OF FUEL OIL SUPPLIED TO THE ENGINE SHALL NOT EXCEED 0.05% BY WEIGHT.

FILE COPY

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M. Bailey/gcr
4/16/1996

FILE COPY

South Coast Air Quality Management District

NC C69547

Run Date : 8/8/2018 16:13:08

Company

Facility:	LA CITY, DWP (ID: 4471)
Location Address:	12300 NEBRASKA, AVE LOS ANGELES, CA 90025-3628
Mailing Address:	P.O. BOX 51111 LOS ANGELES, CA 90051-0100
AIRS ID	

Violation

Notice Issued Date:	4/27/2001
Violation Date:	4/27/2001
Serve To:	MIKE WILKINSON
Title:	DISTRICT MANAGER
Issue By:	YASMINE STUTZ (Team: I)
Assignment No.:	652073
Compliance Achieved Date:	05/16/2001
Equipment Description:	PERFORMANCE TEST RESULTS
Compliance Requirements:	PROVIDE COPIES OF DYNAMIC AND STATIC PRESSURE PERFORMANCE TEST RESULTS

Disposition

Final Action Code:	
Due Date:	5/11/2001
Violation Days:	0

Rule/Comment

461

Emittent

Follow-Up

Status: INCOMP Inspector ID: Inspection Date: 05/16/01 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: swalko

South Coast Air Quality Management District

NC D25243

Run Date : 8/8/2018 16:15:31

Company

Facility:	LA DEPT OF WATER & POWER (ID: 161143)
Location Address:	12300 NEBRASKA, AVE LOS ANGELES, CA 90025
Mailing Address:	111 N HOPE, ST LOS ANGELES, CA 90012
AIRS ID	

Violation

Notice Issued Date:	8/27/2009
Violation Date:	8/27/2009
Serve To:	RICK CAMPOS
Title:	
Issue By:	YANRONG ZHU (Team: I)
Assignment No.:	1129542
Compliance Achieved Date:	09/01/2009
Equipment Description:	ENGINE
Compliance Requirements:	AFFIX REGISTRATION IDENTIFICATION DEVICE(STICKER/PLACARD) TO THE EQUIPMENT WITH REGISTRATION #120879.

Disposition

Final Action Code:	CLO 9/17/2009 00:00:00
Due Date:	9/10/2009
Violation Days:	0

Rule/Comment

TITLE13ARTICLE5S2453(F),(N)

Emittent

Follow-Up

Status: INCOMP Inspector ID: YZ01 Inspection Date: 09/01/09 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

South Coast Air Quality Management District

NOV P37950

Run Date : 8/8/2018 14:54:13

Company

Facility:	LA CITY, DWP (ID: 4471)
Location Address:	12300 NEBRASKA, AVE LOS ANGELES, CA 90025-3628
Mailing Address:	P.O. BOX 51111 LOS ANGELES, CA 90051-0100
AIRS ID	

Violation

Notice Issued Date:	10/31/2002
Violation Date:	10/31/2002
Serve To:	MIKE WILKINSON
Title:	DIST. SUPT.
Issue By:	YASMINE STUTZ (Team: I)
Assignment No.:	733526
Equipment Description:	GAS DISP EQUIPMENT
Violation:	FAILURE TO PERFORM VAPOR RECOVERY REVERIFICATION TESTS ON THE GASOLINE DISPENSING EQUIPMENT EQUIPMENT LAST TESTED ON 2/26/01.

Disposition

Final Action Code:	CLO 4/29/2003 00:00:00
Achieved Date:	03/13/2003
Due Date:	
Violation Days:	0

Rule/Comment

461 e2C

Emittent

Follow-Up

Status: INCOMP Inspector ID: Inspection Date: 03/13/03 00:00 Number:

Lap Sample Numbers

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: swalko

South Coast Air Quality Management District

NOV P57934

Run Date : 8/8/2018 14:54:01

Company

Facility:	LA CITY, DWP (ID: 4471)
Location Address:	12300 NEBRASKA, AVE LOS ANGELES, CA 90025-3628
Mailing Address:	P.O. BOX 51111 LOS ANGELES, CA 90051-0100
AIRS ID	

Violation

Notice Issued Date:	11/10/2011
Violation Date:	1/1/2010
Serve To:	ANDREW SPARKS
Title:	DISTRICT SUPERINTENDENT
Issue By:	BULLINGTON PHAM (Team: Z)
Assignment No.:	1267161
Equipment Description:	Cummins diesel ICE 6BT5.9G2, S/N 45278959
Violation:	operating the permitted diesel emergency generator engine, > 30 hrs/yr for maintenance & testing in compliance years 2009 & 2010

Disposition

Final Action Code:	CLO 4/24/2012 00:00:00
Achieved Date:	01/01/2011
Due Date:	
Violation Days:	0

Rule/Comment

1470 c3C
203 (B)

Emittent

Follow-Up

Status: INCOMP Inspector ID: BP02 Inspection Date: 01/01/11 00:00 Number:

Lap Sample Numbers

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: swalko

South Coast Air Quality Management District

NOV P71070

Run Date : 8/8/2018 14:53:48

Company

Facility:	LA CITY, DWP (ID: 4471)
Location Address:	12300 NEBRASKA, AVE LOS ANGELES, CA 90025-3628
Mailing Address:	P.O. BOX 51111 LOS ANGELES, CA 90051-0100
AIRS ID	

Violation

Notice Issued Date:	12/1/2017
Violation Date:	3/2/2017
Serve To:	GASOLINE DISPENSING FACILITY
Title:	
Issue By:	KIERSTEN MELVILLE (Team: S)
Assignment No.:	1663460
Equipment Description:	
Violation:	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #70171450000217315277

Disposition

Final Action Code:	
Achieved Date:	12/14/2017
Due Date:	
Violation Days:	0

Rule/Comment

461(c)(3)(Q)

Emittent

Follow-Up

Status: INCOMP Inspector ID: KM06 Inspection Date: 12/14/17 00:00 Number:

Lap Sample Numbers

Device IDs.

Inspector Comment

Received under id # 36200 on 2/9/17

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: swalko

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

Permit No.
N02215
A/N 300474

PERMIT TO CONSTRUCT/OPERATE

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner or Operator: LA CITY, DWP
P O BOX 111, ROOM 1116
LOS ANGELES, CA 90012-2694

ID 004471

Equipment Location: 12300 NEBRASKA AV, LOS ANGELES, CA 90025-3628

Equipment Description:

FUEL STORAGE AND DISPENSING FACILITY CONSISTING OF:

1) 1 - GASOLINE ABOVEGROUND STORAGE TANK, TANKVAULT TYPE, 12'-9" L. X 6'-10" W. X 5'- 1" H., CAPACITY 2,000 GALLONS, CONCRETE INSULATION, WITH A PRESSURE/VACUUM RELIEF VALVE, AND A COAXIAL SUBMERGED FILL TUBE.

2) 2 - GASOLINE NOZZLE WITH A HOSE ON A TANK TOP MOUNTED DISPENSER. PHASE II VRS BALANCE HI HOSE, BALANCE SYSTEM.

3) 1 - DIESEL ABOVEGROUND STORAGE TANK, TANKVAULT TYPE, 11'-0" L. X 8'-0" W. X 5'- 5" H., CAPACITY 2,000 GALLONS, CONCRETE INSULATION, WITH A PRESSURE/VACUUM RELIEF VALVE, AND A COAXIAL SUBMERGED FILL TUBE.

4) 2 - DIESEL NOZZLE WITH A HOSE ON A TANK TOP MOUNTED DISPENSER. NOT EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

FILE COPY

PERMIT TO CONSTRUCT/OPERATE

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

3. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.

4. EXCEPT FOR DIESEL TRANSFERS, PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.

5. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.

6. THE MAXIMUM QUANTITY OF GASOLINE DISPENSED FROM STORAGE TANKS AT THIS FACILITY SHALL NOT EXCEED 4000 GALLONS IN ANY ONE CALENDAR MONTH NOR 48000 GALLONS IN ANY ONE CALENDAR YEAR.

7. THE MAXIMUM QUANTITY OF DIESEL DISPENSED FROM STORAGE TANKS AT THIS FACILITY SHALL NOT EXCEED 2500 GALLONS IN ANY ONE CALENDAR MONTH NOR 30000 GALLONS IN ANY ONE CALENDAR YEAR.

8. RECORDS OF MONTHLY AND ANNUAL FUEL RECEIVED SHALL BE PREPARED, SHALL BE RETAINED FOR TWO YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

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EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M. Bailey/cdw
3/13/1995

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

Permit No.
N02215
A/N 300474

PERMIT TO CONSTRUCT/OPERATE

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner or Operator: LA CITY, DWP
P O BOX 111, ROOM 1116
LOS ANGELES, CA 90012-2694

ID 004471

Equipment Location: 12300 NEBRASKA AV, LOS ANGELES, CA 90025-3628

Equipment Description:

FUEL STORAGE AND DISPENSING FACILITY CONSISTING OF:

1) 1 - GASOLINE ABOVEGROUND STORAGE TANK, TANKVAULT TYPE, 12'-9" L. X 6'-10" W. X 5'- 1" H., CAPACITY 2,000 GALLONS, CONCRETE INSULATION, WITH A PRESSURE/VACUUM RELIEF VALVE, AND A COAXIAL SUBMERGED FILL TUBE.

2) 2 - GASOLINE NOZZLE WITH A HOSE ON A TANK TOP MOUNTED DISPENSER. PHASE II VRS BALANCE HI HOSE, BALANCE SYSTEM.

3) 1 - DIESEL ABOVEGROUND STORAGE TANK, TANKVAULT TYPE, 11'-0" L. X 8'-0" W. X 5'- 5" H., CAPACITY 2,000 GALLONS, CONCRETE INSULATION, WITH A PRESSURE/VACUUM RELIEF VALVE, AND A COAXIAL SUBMERGED FILL TUBE.

4) 2 - DIESEL NOZZLE WITH A HOSE ON A TANK TOP MOUNTED DISPENSER. NOT EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

FILE COPY

PERMIT TO CONSTRUCT/OPERATE

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

3. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.

4. EXCEPT FOR DIESEL TRANSFERS, PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.

5. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.

6. THE MAXIMUM QUANTITY OF GASOLINE DISPENSED FROM STORAGE TANKS AT THIS FACILITY SHALL NOT EXCEED 4000 GALLONS IN ANY ONE CALENDAR MONTH NOR 48000 GALLONS IN ANY ONE CALENDAR YEAR.

7. THE MAXIMUM QUANTITY OF DIESEL DISPENSED FROM STORAGE TANKS AT THIS FACILITY SHALL NOT EXCEED 2500 GALLONS IN ANY ONE CALENDAR MONTH NOR 30000 GALLONS IN ANY ONE CALENDAR YEAR.

8. RECORDS OF MONTHLY AND ANNUAL FUEL RECEIVED SHALL BE PREPARED, SHALL BE RETAINED FOR TWO YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M. Bailey/cdw
3/13/1995

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
N14435
A/N 429823

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner or Operator : LA CITY, DWP
P.O. BOX 51111, RM 1050
LOS ANGELES, CA 90051-0100

ID 4471

Equipment Location: 12300 NEBRASKA AVE, LOS ANGELES, CA 90025-3628

Equipment Description:

Fuel Storage and Dispensing Facility Consisting of:

1) 2 - GASOLINE ABOVEGROUND STORAGE TANKS, ENVIROVAULT (G-70-167), RECTANGULAR, 11' - 0" L. X 6' - 10 " W. X 5' - 11" H., EACH 2,000 GALLON CAPACITY, CONCRETE INSULATION, EQUIPPED WITH A PRESSURE/VACUUM RELIEF VALVE, AND A SUBMERGED FILL TUBE.

2) 3 - GASOLINE NOZZLES DISPENSING 3 PRODUCTS ON A TANK TOP MOUNTED DISPENSER, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, BALANCE RETRACTOR (G-70-52-AM).

Conditions :

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.

4. EXCEPT FOR DIESEL TRANSFERS, PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.

5. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

6. THE PHASE II VAPOR RECOVERY SYSTEM SHALL BE INSTALLED, OPERATED, AND MAINTAINED SUCH THAT THE MAXIMUM ALLOWABLE PRESSURE THROUGH THE SYSTEM INCLUDING NOZZLE, VAPOR HOSE, SWIVELS, AND UNDERGROUND PIPING DOES NOT EXCEED THE DYNAMIC BACK PRESSURES DESCRIBED BY THE CALIFORNIA AIR RESOURCES BOARD EXECUTIVE ORDER BY WHICH THE SYSTEM WAS CERTIFIED:

NITROGEN FLOWRATES (CFH)	DYNAMIC BACK PRESSURE (INCHES OF WATER)
60	0.35
80	0.62

DYNAMIC BACK PRESSURE TESTS SHALL BE CONDUCTED TO DETERMINE THE PHASE II SYSTEM VAPOR RECOVERY BACK PRESSURES. THE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE TP-201.4, METHODOLOGY 1. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TESTS.

THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE DYNAMIC BACK PRESSURE TESTS.

7. A STATIC PRESSURE LEAK DECAY TEST SHALL BE CONDUCTED TO DEMONSTRATE THAT THE STORAGE TANKS, THE REMOTE AND/OR NOZZLE VAPOR RECOVERY CHECK VALVES, ASSOCIATED VAPOR RETURN PIPING AND FITTINGS ARE FREE FROM VAPOR LEAKS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.3. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE STATIC PRESSURE LEAK DECAY TEST.

8. IF THE CARB EXECUTIVE ORDER REQUIRES THE INSTALLATION OF A LIQUID REMOVAL DEVICE, A LIQUID REMOVAL RATE TEST SHALL BE CONDUCTED TO DEMONSTRATE THE REMOVAL OF GASOLINE FROM THE VAPOR PASSAGE OF THE COAXIAL HOSE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.6. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE LIQUID REMOVAL RATE TEST.

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CONTINUATION OF PERMIT TO OPERATE

9. THE TESTING FOR THE ABOVE MENTIONED TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE MOST RECENT RULE 461 AMENDMENT OR CARB EXECUTIVE ORDER REQUIREMENTS, WHICHEVER IS MORE STRINGENT.

10. ALL RECORDS AND TEST RESULTS THAT ARE REQUIRED TO BE MAINTAINED BY RULE 461 SHALL BE KEPT ON SITE AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

11. THE MAXIMUM QUANTITY OF GASOLINE DISPENSED FROM THE STORAGE TANKS AT THIS FACILITY SHALL NOT EXCEED 15,000 GALLONS IN ANY ONE CALENDAR MONTH NOR 180,000 GALLONS IN ANY ONE CALENDAR YEAR.

12. RECORDS OF MONTHLY AND ANNUAL FUEL DISPENSED SHALL BE PREPARED, SHALL BE RETAINED ON SITE FOR TWO YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DEVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VOILATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M.Bailey/JM04
06/04/2004

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Cop Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
N27146
A/N 544533

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner or Operator: LA CITY, DWP
P. O. BOX 51111, ROOM 1050
LOS ANGELES, CA 90051-0100

ID 004471

Equipment Location: 12300 NEBRASKA AVENUE, LOS ANGELES, CA 90025-3628

Equipment Description:

Fuel Storage and Dispensing Facility Consisting of:

1) 3 - GASOLINE NOZZLES DISPENSING 3 PRODUCTS ON A TANK TOP MOUNTED DISPENSER, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, BALANCE RETRACTOR (G-70-52-AM).

2) 1 - GASOLINE ABOVEGROUND STORAGE TANK, LUBE CUBE (G-70-148-A), RECTANGULAR, 12' - 0" L. X 6' - 3" W. X 4' - 11" H., 2,000 GALLON CAPACITY, EQUIPPED WITH A PRESSURE/VACUUM RELIEF VALVE, AND A SUBMERGED FILL TUBE.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.

4. EXCEPT FOR DIESEL TRANSFERS, PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.

5. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.

6. THE PHASE II VAPOR RECOVERY SYSTEM SHALL BE INSTALLED, OPERATED, AND MAINTAINED SUCH THAT THE MAXIMUM ALLOWABLE PRESSURE THROUGH THE SYSTEM INCLUDING NOZZLE, VAPOR HOSE, SWIVELS, AND UNDERGROUND PIPING DOES NOT EXCEED THE DYNAMIC BACK PRESSURES DESCRIBED BY THE CALIFORNIA AIR RESOURCES BOARD EXECUTIVE ORDER BY WHICH THE SYSTEM WAS CERTIFIED:

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CONTINUATION OF PERMIT TO OPERATE

NITROGEN FLOWRATES (CFH)	DYNAMIC BACK PRESSURE (INCHES OF WATER)
60	0.35
80	0.62

DYNAMIC BACK PRESSURE TESTS SHALL BE CONDUCTED TO DETERMINE THE PHASE II SYSTEM VAPOR RECOVERY BACK PRESSURES. THE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE TP-201.4, METHODOLOGY 1; AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TESTS.

7. A STATIC PRESSURE LEAK DECAY TEST SHALL BE CONDUCTED TO DEMONSTRATE THAT THE STORAGE TANKS, THE REMOTE AND/OR NOZZLE VAPOR RECOVERY CHECK VALVES, ASSOCIATED VAPOR RETURN PIPING AND FITTINGS ARE FREE FROM VAPOR LEAKS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.3 AS A PERFORMANCET TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

8. IF THE CARB EXECUTIVE ORDER REQUIRES THE INSTALLATION OF A LIQUID REMOVAL DEVICE, A LIQUID REMOVAL RATE TEST SHALL BE CONDUCTED TO DEMONSTRATE THE REMOVAL OF GASOLINE FROM THE VAPOR PASSAGE OF THE COAXIAL HOSE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.6C AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

9. THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE TESTS TO BE PERFORMED.

10. THE TESTING FOR THE ABOVE MENTIONED TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE MOST RECENT RULE 461 AMENDMENT OR CARB EXECUTIVE ORDER REQUIREMENTS, WHICHEVER IS MORE STRINGENT.

11. ALL RECORDS AND TEST RESULTS THAT ARE REQUIRED TO BE MAINTAINED BY RULE 461 SHALL BE KEPT ON SITE AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

12. BY APRIL 1, 2013, THE OWNER/OPERATOR OF THIS EQUIPMENT SHALL BE IN FULL COMPLIANCE FOR STANDING LOSS CONTROL FOR THE VAPOR RECOVERY SYSTEM AS PER THE LATEST VERSION OF ARB EXECUTIVE ORDER VR-301.

13. BY JULY 1, 2014, THE OWNER/OPERATOR OF THIS EQUIPMENT SHALL SUBMIT AN APPLICATION AND RECEIVE A PERMIT TO CONSTRUCT/OPERATE TO INSTALL AND BE IN FULL COMPLIANCE FOR ALL PHASE I ENHANCED VAPOR RECOVERY REQUIREMENTS.

CONTINUATION OF PERMIT TO OPERATE

14. THE MAXIMUM QUANTITY OF GASOLINE DISPENSED FROM THE STORAGE TANKS AT THIS FACILITY SHALL NOT EXCEED 15,000 GALLONS IN ANY ONE CALENDAR MONTH NOR 180,000 GALLONS IN ANY ONE CALENDAR YEAR.

15. RECORDS OF MONTHLY AND ANNUAL FUEL DISPENSED SHALL BE PREPARED, SHALL BE RETAINED ON SITE FOR TWO YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

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EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M. Bailey/jm04
12/06/2012

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
R-N14435
A/N 429823

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner or Operator: LA CITY, DWP
P. O. BOX 51111, RM 1050
LOS ANGELES, CA 90051-0100

ID 004471

Equipment Location: 12300 NEBRASKA AVENUE, LOS ANGELES, CA 90025-3628

Equipment Description:

Fuel Storage and Dispensing Facility Consisting of:

1) 3 - GASOLINE NOZZLES DISPENSING 3 PRODUCTS ON TANK TOP MOUNTED DISPENSER, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, BALANCE RETRACTOR (G-70-52-AM).

2) 1 - GASOLINE ABOVEGROUND STORAGE TANK, ENVIROVAULT TYPE (G-70-167), RECTANGULAR, 11' - 0" L. X 6' - 10" W. X 5' - 11" H, 2,000 GALLON CAPACITY, CONCRETE INSULATION, EQUIPPED WITH A PRESSURE/VACUUM RELIEF VALVE, AND A SUBMERGED FILL TUBE.

3) 1 - GASOLINE ABOVEGROUND STORAGE TANK, LUBE CUBE TYPE (G-70-148-A), RECTANGULAR, 12' - 0" L. X 6' - 3" W. X 4' - 11" H, 2,000 GALLON CAPACITY, CONCRETE INSULATION, EQUIPPED WITH A PRESSURE/VACUUM RELIEF VALVE, AND A SUBMERGED FILL TUBE.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.

4. EXCEPT FOR DIESEL TRANSFERS, PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.

5. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

6. NEW EQUIPMENT INSTALLATIONS AND SUBSEQUENT SERVICE AND REPAIRS FOR ANY CERTIFIED COMPONENT FOR WHICH THIS PERMIT WAS ISSUED, SHALL ONLY BE PERFORMED BY A CURRENT AND CERTIFIED PERSON WHO HAS SUCCESSFULLY COMPLETED THE MANUFACTURER'S TRAINING COURSE AND APPROPRIATE INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION. COMPLETION OF ANY AQMD TRAINING COURSE DOES NOT CONSTITUTE AS A SUBSTITUTE FOR THIS REQUIREMENT. PROOF OF SUCCESSFUL COMPLETION OF ANY MANUFACTURER TRAINING COURSE SHALL BE WITH THE MANUFACTURER.

7. A STATIC PRESSURE LEAK DECAY TEST SHALL BE CONDUCTED TO DEMONSTRATE THAT THE STORAGE TANKS, THE REMOTE AND/OR NOZZLE VAPOR RECOVERY CHECK VALVES, ASSOCIATED VAPOR RETURN PIPING AND FITTINGS ARE FREE FROM VAPOR LEAKS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.3 AS A PERFORMANCET TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

8. THE PHASE II VAPOR RECOVERY SYSTEM SHALL BE INSTALLED, OPERATED, AND MAINTAINED SUCH THAT THE MAXIMUM ALLOWABLE PRESSURE THROUGH THE SYSTEM INCLUDING NOZZLE, VAPOR HOSE, SWIVELS, AND UNDERGROUND PIPING DOES NOT EXCEED THE DYNAMIC BACK PRESSURES DESCRIBED BY THE CALIFORNIA AIR RESOURCES BOARD EXECUTIVE ORDER BY WHICH THE SYSTEM WAS CERTIFIED:

NITROGEN FLOWRATES (CFH)	DYNAMIC BACK PRESSURE (INCHES OF WATER)
60	0.35
80	0.62

DYNAMIC BACK PRESSURE TESTS SHALL BE CONDUCTED TO DETERMINE THE PHASE II SYSTEM VAPOR RECOVERY BACK PRESSURES. THE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE TP-201.4, METHODOLOGY 1; AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TESTS.

9. IF THE CARB EXECUTIVE ORDER REQUIRES THE INSTALLATION OF A LIQUID REMOVAL DEVICE, A LIQUID REMOVAL RATE TEST SHALL BE CONDUCTED TO DEMONSTRATE THE REMOVAL OF GASOLINE FROM THE VAPOR PASSAGE OF THE COAXIAL HOSE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.6C AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

10. THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE TESTS TO BE PERFORMED.

CONTINUATION OF PERMIT TO OPERATE

11. THE TESTING FOR THE ABOVE MENTIONED TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE MOST RECENT RULE 461 AMENDMENT OR CARB EXECUTIVE ORDER REQUIREMENTS, WHICHEVER IS MORE STRINGENT.

12. ALL RECORDS AND TEST RESULTS THAT ARE REQUIRED TO BE MAINTAINED BY RULE 461 SHALL BE KEPT ON SITE AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

13. BY APRIL 1, 2013, THE OWNER/OPERATOR OF THIS EQUIPMENT SHALL BE IN FULL COMPLIANCE FOR STANDING LOSS CONTROL FOR THE VAPOR RECOVERY SYSTEM AS PER THE LATEST VERSION OF ARB EXECUTIVE ORDER VR-301.

14. BY JULY 1, 2014, THE OWNER/OPERATOR OF THIS EQUIPMENT SHALL SUBMIT AN APPLICATION AND RECEIVE A PERMIT TO CONSTRUCT/OPERATE TO INSTALL AND BE IN FULL COMPLIANCE FOR ALL PHASE I ENHANCED VAPOR RECOVERY REQUIREMENTS.

15. THE MAXIMUM QUANTITY OF GASOLINE DISPENSED FROM THE STORAGE TANK AT THIS FACILITY SHALL NOT EXCEED 15,000 GALLONS IN ANY ONE CALENDAR MONTH NOR 180,000 GALLONS IN ANY ONE CALENDAR YEAR.

16. RECORDS OF MONTHLY AND ANNUAL FUEL DISPENSED SHALL BE PREPARED, SHALL BE RETAINED ON SITE FOR TWO YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

17. THE OWNER/OPERATOR SHALL SUBMIT THE FACILITY'S MONTHLY GASOLINE THROUGHPUT DATA FOR THE PREVIOUS CALENDAR YEAR TO THE EXECUTIVE OFFICER ON OR BEFORE MARCH 1 FOLLOWING EACH CALENDAR YEAR.

THIS PERMIT TO OPERATE, R-N14435, SUPERSEDES PERMIT TO OPERATE N14435 ISSUED ON 06/04/2004.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M. Bailey/jm04
03/21/2013

FILE COPY

South Coast Air Quality Management District
21865 Copley Ave, Diamond Bar, CA 91765-4178

PERMIT TO CONSTRUCT/OPERATE

Permit No.
N28466
A/N 563893

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner or Operator: LA CITY DWP – NEBRASKA
AIR QUALITY GROUP
P. O. BOX 51111, ROOM 1050
LOS ANGELES, CA 90051-0100

ID 004471

Equipment Location: 12300 NEBRASKA AVENUE, LOS ANGELES, CA 90025

Equipment Description:

Fuel Storage and Dispensing Facility Consisting of:

1) 3 - GASOLINE NOZZLES DISPENSING 3 PRODUCTS, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, BALANCE RETRACTOR (G-70-52-AM).

2) 2 - GASOLINE ABOVEGROUND STORAGE TANKS, EACH HOOVER LUBE CUBE (VR-301-E), RECTANGULAR, 11' - 0" L. X 6' - 10" W. X 5' - 11" H., 2,000 GALLON CAPACITY, EQUIPPED WITH A HUSKY 5885 PRESSURE/VACUUM RELIEF VALVE, AND AN OPW PHASE I ENHANCED VAPOR RECOVERY (EVR) SYSTEM (VR-401-C).

Conditions:

SECTION I: GENERAL CONDITIONS

1. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

SECTION II: PHASE I VAPOR RECOVERY SYSTEM AND TESTING REQUIREMENTS

3. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.

4. IF ROTATABLE VAPOR ADAPTORS ARE INSTALLED, A STATIC TORQUE TEST OF ROTATABLE PHASE I ADAPTORS SHALL BE CONDUCTED TO QUANTIFY THE AMOUNT OF STATIC TORQUE REQUIRED TO START THE ROTATION OF THE ROTATABLE PHASE I ADAPTORS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD OUTLINED IN TP-201.1B (OCTOBER 8, 2003) AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE SCAQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

FILE COPY

PERMIT TO CONSTRUCT/OPERATE

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

5. A LEAK RATE AND CRACKING PRESSURE TEST OF PRESSURE/VACUUM RELIEF VENT VALVES SHALL BE CONDUCTED WITHIN TEN DAYS (10) AFTER THE START OF OPERATION OF THE PHASE I EVR EQUIPMENT AND AT LEAST ONCE EVERY THREE (3) YEARS THEREAFTER TO DETERMINE THE PRESSURE AND VACUUM AT WHICH THE PRESSURE/VACUUM VENT VALVE ACTUATES, AND TO DETERMINE THE VOLUMETRIC LEAK RATE AT A GIVEN PRESSURE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD TP-201.1E (OCTOBER 8, 2003). RESULTS SHALL BE SUBMITTED TO THE SCAQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST. THIS TEST RESULT SHALL BE KEPT ON SITE FOR THREE (3) YEARS AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

SECTION III: PHASE II VAPOR RECOVERY SYSTEM AND TESTING REQUIREMENTS

6. EXCEPT FOR DIESEL TRANSFERS, PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.

7. A STATIC PRESSURE PERFORMANCE TEST SHALL BE CONDUCTED TO QUANTIFY THE VAPOR TIGHTNESS OF THE ABOVEGROUND STORAGE TANK. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE LATEST VERSION OF EXHIBIT 4 OF CARB EXECUTIVE ORDER VR-401, AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE SCAQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

8. THE PHASE II VAPOR RECOVERY SYSTEM SHALL BE INSTALLED, OPERATED, AND MAINTAINED SUCH THAT THE MAXIMUM ALLOWABLE PRESSURE THROUGH THE SYSTEM INCLUDING NOZZLE, VAPOR HOSE, SWIVELS, AND UNDERGROUND PIPING DOES NOT EXCEED THE DYNAMIC BACK PRESSURES DESCRIBED BY THE CALIFORNIA AIR RESOURCES BOARD EXECUTIVE ORDER BY WHICH THE SYSTEM WAS CERTIFIED:

NITROGEN FLOWRATES (CFH)	DYNAMIC BACK PRESSURE (INCHES OF WATER)
60	0.35
80	0.62

DYNAMIC BACK PRESSURE TESTS SHALL BE CONDUCTED TO DETERMINE THE PHASE II SYSTEM VAPOR RECOVERY BACK PRESSURES. THE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE TP-201.4 (JULY 3, 2002), METHODOLOGY 1 AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE SCAQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TESTS.

9. IF THE CARB EXECUTIVE ORDER REQUIRES THE INSTALLATION OF A LIQUID REMOVAL DEVICE, A LIQUID REMOVAL RATE TEST SHALL BE CONDUCTED TO DEMONSTRATE THE REMOVAL OF GASOLINE FROM THE VAPOR PASSAGE OF THE COAXIAL HOSE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.6 (APRIL 28, 2000) AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE SCAQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

SECTION V: GENERAL REQUIREMENTS

10. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.

11. ALL PERMIT CONDITIONS APPLICABLE TO THE EQUIPMENT DESCRIBED IN THE PREVIOUS PERMIT TO OPERATE N27146 SHALL REMAIN IN EFFECT UNTIL THE NEW OR MODIFIED EQUIPMENT IS CONSTRUCTED AND OPERATED AS DESCRIBED IN THIS NEW PERMIT. THIS PERMIT TO CONSTRUCT/OPERATE SHALL BECOME INVALID IF THE MODIFICATION AS DESCRIBED IN THE EQUIPMENT DESCRIPTION HAS NOT BEEN COMPLETED WITHIN ONE YEAR FROM THE ISSUE DATE. IF THE MODIFICATION HAS NOT BEEN COMPLETED WITHIN ONE YEAR FROM THE ISSUE DATE OF THE PERMIT, A WRITTEN REQUEST SHALL BE SUBMITTED TO THE SCAQMD (ATTENTION: RANDY MATSUYAMA) TO REINSTATE THE PREVIOUSLY INACTIVATED PERMIT TO OPERATE. A NEW APPLICATION SHALL BE FILED IF THERE ARE PLANS TO CONTINUE WITH THE MODIFICATION. FURTHERMORE, THIS CONDITION DOES NOT ALLOW ANY TIME EXTENSIONS TO ANY MODIFICATIONS REQUIRED BY THE CALIFORNIA AIR RESOURCES BOARD OR SCAQMD.

12. NEW EQUIPMENT INSTALLATIONS AND SUBSEQUENT SERVICE AND REPAIRS FOR ANY CERTIFIED COMPONENT FOR WHICH THIS PERMIT WAS ISSUED, SHALL ONLY BE PERFORMED BY A CURRENT AND CERTIFIED PERSON WHO HAS SUCCESSFULLY COMPLETED THE MANUFACTURER'S TRAINING COURSE AND APPROPRIATE INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION. COMPLETION OF ANY SCAQMD TRAINING COURSE DOES NOT CONSTITUTE AS A SUBSTITUTE FOR THIS REQUIREMENT. PROOF OF SUCCESSFUL COMPLETION OF ANY MANUFACTURER TRAINING COURSE SHALL BE WITH THE MANUFACTURER.

13. THE DISTRICT AT ITS DISCRETION MAY WISH TO WITNESS THE INSTALLATION AND/OR PERFORMANCE TESTING OF THE NEW VAPOR RECOVERY EQUIPMENT. AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE INSTALLATION OF THE EQUIPMENT AND ANY OF THE MENTIONED TESTING REQUIREMENTS IN THIS PERMIT, THE APPLICANT SHALL NOTIFY THE SCAQMD BY METHODS SPECIFIED AT THE TIME BY THE EXECUTIVE OFFICER. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE TESTS TO BE PERFORMED.

14. AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO BACK-FILLING ANY UNDERGROUND PIPING, THE SCAQMD SHALL BE NOTIFIED BY METHODS SPECIFIED AT THE TIME BY THE EXECUTIVE OFFICER. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTORS; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE BACK-FILLING PROCEDURE. THE BACK-FILLING PROCEDURE SHALL NOT COMMENCE UNTIL INSPECTED BY A DISTRICT REPRESENTATIVE.

15. UNLESS SCAQMD RULE 461 REQUIRES A MORE FREQUENT TESTING OR INSPECTION SCHEDULE, THE OWNER/OPERATOR SHALL BE RESPONSIBLE TO PERFORM THE SCHEDULED WEEKLY, QUARTERLY, AND ANNUAL INSPECTIONS AS OUTLINED IN THE CARB APPROVED INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR THE OPW PHASE I EVR

SYSTEM, AS WELL AS ALL THE REQUIRED VAPOR RECOVERY SYSTEM TESTS AS PER THE CURRENT AND APPROPRIATE ARB EXECUTIVE ORDER.

16. THE SCAQMD SHALL BE NOTIFIED BY METHODS SPECIFIED AT THE TIME BY THE EXECUTIVE OFFICER AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO ANY OF THE ABOVE MENTIONED TESTING REQUIREMENTS. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE TESTS TO BE PERFORMED.

17. THE TESTING FOR THE ABOVE MENTIONED TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE MOST RECENT RULE 461 AMENDMENT OR CARB EXECUTIVE ORDER REQUIREMENTS, WHICHEVER IS MORE STRINGENT.

18. A COPY OF THE PASS/FAIL TEST RESULTS SHALL BE SENT BY METHODS SPECIFIED AT THE TIME BY THE EXECUTIVE OFFICER WITHIN SEVENTY-TWO (72) HOURS AFTER EACH TEST IS CONDUCTED. FURTHERMORE, THE FINAL TEST RESULTS DEMONSTRATING COMPLIANCE SHALL BE SUBMITTED BY METHODS SPECIFIED AT THE TIME BY THE EXECUTIVE OFFICER WITHIN FOURTEEN (14) CALENDAR DAYS FROM THE DATE WHEN ALL TESTS WERE PASSED. THE TEST REPORT SHALL INCLUDE AT A MINIMUM ALL THE REQUIRED RECORDS OF ALL TESTS PERFORMED, TEST DATA, CURRENT SCAQMD FACILITY ID NUMBER OF THE LOCATION BEING TESTED, THE EQUIPMENT PERMIT TO OPERATE OR APPLICATION NUMBER, THE SCAQMD ID NUMBER OF THE COMPANY PERFORMING THE TESTS, A STATEMENT WHETHER THE SYSTEM OR COMPONENT TESTED MEETS THE REQUIRED STANDARDS, AND THE NAME, SCAQMD TESTER ID NUMBER AND SIGNATURE OF THE PERSON RESPONSIBLE FOR CONDUCTING THE TESTS.

19. ALL RECORDS AND TEST RESULTS THAT ARE REQUIRED TO BE MAINTAINED BY RULE 461 SHALL BE KEPT ON SITE AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

SECTION VI: GASOLINE THROUGHPUT REQUIREMENTS

20. THE MAXIMUM QUANTITY OF GASOLINE DISPENSED FROM THE STORAGE TANKS AT THIS FACILITY SHALL NOT EXCEED 15,000 GALLONS IN ANY ONE CALENDAR MONTH NOR 180,000 GALLONS IN ANY ONE CALENDAR YEAR.

21. RECORDS OF MONTHLY AND ANNUAL FUEL DISPENSED SHALL BE PREPARED, SHALL BE RETAINED ON SITE FOR TWO YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

22. THE OWNER/OPERATOR SHALL SUBMIT THE FACILITY'S MONTHLY GASOLINE THROUGHPUT DATA FOR THE PREVIOUS CALENDAR YEAR TO THE EXECUTIVE OFFICER ON OR BEFORE MARCH 1 FOLLOWING EACH CALENDAR YEAR.

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M. Bailey/jm04
06/13/2014

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
F82778
A/N 451263

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for the annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

ID 4471

Legal Owner
or Operator: LA CITY, DWP
P.O. BOX 51111 , RM 1050
LOS ANGELES, CA 90051-0100

Equipment Location: 12300 NEBRASKA AVE, LOS ANGELES, CA 90025-3628

Equipment Description :

INTERNAL COMBUSTION ENGINE, CUMMINS, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 6BT5.9-G2, DIESEL- FUELED, 6 CYLINDERS, TURBOCHARGED, 166 BHP.

Conditions :

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.

4. A NON-RESETTABLE TOTALIZING TIMER METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.

5. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.

6. OPERATION BEYOND THE 30 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.

FILE COPY

7. THIS ENGINE SHALL NOT BE USED AS PART OF AN INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR

8. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:

   A. EMERGENCY USE HOURS OF OPERATION

   B. MAINTENANCE AND TESTING HOURS

   C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

   IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M.Bailey/HD01
6/22/2006

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

PERMIT NO.

M82443

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

APPL. # 102229 CO. ID. 004471

SECTOR

LEGAL OWNER OR OPERATOR. LA CITY, DWP

EQUIPMENT LOCATED AT 12300 NEBRASKA AVE.
LOS ANGELES, CA 900250000

EQUIPMENT DESCRIPTION AND CONDITIONS

R461 GASOLINE FUELING & DISPENSING FACILITY CONSISTING OF :

1. 01 GASOLINE STORAGE TANKS
2. 01 GAS DISPENSING NOZZLES
3. 03 VAPOR RECOVERY SYSTEM - BALANCE

PERMIT CONDITION:
PHASE I AND PHASE II VAPOR RECOVERY SYSTEMS MUST BE IN FULL OPERATION, WHENEVER THIS FACILITY IS IN USE. SUCH SYSTEMS MUST BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CARB CERTIFICATION REQUIREMENTS.

This initial permit must be renewed by 7/1 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual operating fee is not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

BY VIRGINIA MOY, PRINCIPAL PERMIT PROCESS CLERK

DATE 08/08/84

76P234M - 6/82

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to CONSTRUCT/OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

PERMIT NO. M97483
A/N 317448
PAGE 1

THIS INITIAL PERMIT MUST BE RENEWED BY 11/16 ANNUALLY UNLESS THE EQUIPMENT IS MOVED, OR CHANGES OWNERSHIP. IF THE BILLING FOR ANNUAL RENEWAL FEE (RULE 301.F) IS NOT RECEIVED BY THE EXPIRATION DATE, CONTACT THE DISTRICT.

LEGAL OWNER OR OPERATOR: LA CITY, DWP

CO. ID.: 004471 SECTOR: LC

EQUIPMENT LOCATED AT: 12300 NEBRASKA AV
LOS ANGELES, CA 90025-3628

EQUIPMENT DESCRIPTION:
FUEL STORAGE AND DISPENSING FACILITY CONSISTING OF:

1. ONE — UNDERGROUND GASOLINE STORAGE TANK(S), (EACH) 12,000 GALLON CAPACITY, NOT METHANOL COMPATIBLE
2. FOUR — GASOLINE DISPENSING NOZZLES VENTED TO VAPOR RECOVERY SYSTEM, BALANCE HI HOSE
3. ONE — UNDERGROUND DIESEL STORAGE TANK(S), (EACH) 5,000 GALLON CAPACITY, NOT METHANOL COMPATIBLE
4. TWO — DIESEL DISPENSING NOZZLES.

PERMIT CONDITIONS:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. (EXCEPT FOR DIESEL TRANSFERS) PHASE I AND PHASE II VAPOR RECOVERY SYSTEMS MUST BE IN FULL OPERATION WHENEVER THIS FACILITY IS IN USE. SUCH SYSTEMS MUST BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CARB CERTIFICATION REQUIREMENTS.

THIS PERMIT CONCLUDES ON THE NEXT PAGE.

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to CONSTRUCT/OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

PERMIT NO. M97483
A/N 217448
PAGE 2

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO CONSTRUCT/OPERATE OR COPY MUST BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

APPROVAL OF THE DEPARTMENT OF PUBLIC WORKS, THE DEPARTMENT OF BUILDING AND SAFETY, THE LOCAL FIRE DEPARTMENT AND/OR THE LOCAL TANK LAW IMPLEMENTING AGENCY IS REQUIRED BEFORE CONSTRUCTION IS STARTED.

THIS PERMIT TO CONSTRUCT/OPERATE IS BASED ON THE PLANS, SPECIFICATIONS, AND DATA SUBMITTED AS IT PERTAINS TO THE RELEASE OF AIR CONTAMINANTS AND CONTROL MEASURES TO REDUCE AIR CONTAMINANTS. NO APPROVAL OR OPINION CONCERNING SAFETY AND OTHER FACTORS IN DESIGN, CONSTRUCTION OR OPERATION OF THE EQUIPMENT IS EXPRESSED OR IMPLIED.

EXECUTIVE OFFICER

BY RAQUEL PUERTA
08/31/91

FILE COPY

MAILING ADDRESS:
LA CITY, DWP
P.O. BOX 111, ROOM 1116B
ATTN: VERNON L. PRUETT
LOS ANGELES, CA 90051-0100

DATE: 11/08/91
ID: 004471
SECTOR: LG

Los Angeles Regional Water Quality Control Board (LARWQCB)
12270 Nebraska Avenue

PAGE 18322 STATE WATER RESOURCES CONTROL BOARD 06/01/88

HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR LOS ANGELES COUNTY

CONTAINER TYPES: 1,2,3,4,5

(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

I OWNER
PLASKON ELECTRONIC MATERIALS,
2829 GLENDALE AVE. TOLEDO OH 43614

II FACILITY

	MAILING ADDRESS TOWNSHIP/RANGE/SECTION	DEALER/FOREMAN/SUPERVISOR TELEPHONE	TYPE OF BUSINESS NO. OF CONTAINERS
PLASKON ELECTRONIC MATERIALS, 12270 NEBRASKA AVE. LOS ANGELES CA 90025	12270 NEBRASKA AVE LOS ANGELES CA 90025	J.W. CARLYLE (213) 272-4471	MFG. 2

CROSS STREET :
BUNDY DR.

III 24-HR. CONTACT PERSON / TELEPHONE
DAY: CARLYLE, J.W. (213) 272-4471 NIGHT: CARLYLE, J.W. (213) 454-3[illegible]

********** OWNER ASSIGNED CONTAINER NUMBER: 308 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 0000001694900I *********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: /
C. YEAR INSTALLED : 1959
D. CAPACITY (GALLONS) : 7,500
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : NO CONTAINS:

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: B. VAULTING: UNKNOWN C. HALLING: UNKNOWN
D. MATERIAL : UNKNOWN
E. LINING : UNKNOWN
F. WRAPPING : UNKNOWN

VI PIPING
A. ABOVEGROUND PIPING : UNKNOWN B. UNDERGROUND PIPING : UNKNOWN
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
VISUAL STOCK INVENTORY VAPOR SNIFF WELLS

VIII CHEMICAL COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
67641 * ACETONE (DIMETHYL KETONE, 2-PROPANONE)

* CHECK STATE BOARD CHEMICAL CODE LISTING FOR POSSIBLE SYNONYMS

STATE WATER RESOURCES CONTROL BOARD
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR LOS ANGELES COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

********** OWNER ASSIGNED CONTAINER NUMBER: 563 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000016949002 *********

IV DESCRIPTION
A. CONTAINER TYPE : LAGOON
B. MANUFACTURER/YR OF MFG: /1978
C. YEAR INSTALLED : 1978
D. CAPACITY (GALLONS) :
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : NO CONTAINS:

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: 10 GAUGE
B. VAULTING: NON-VAULTED
C. WALLING: DOUBLE
D. MATERIAL : CARBON STEEL
E. LINING : INDUSTRIAL ENAMEL
F. WRAPPING : NONE
CONCRETE
OTHER

VI PIPING
A. ABOVEGROUND PIPING :
B. UNDERGROUND PIPING :
C. REPAIRS : UNKN IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
VISUAL STOCK INVENTORY

VIII CHEMICAL COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
NONE

CalEPA
12300 Nebraska Avenue

WEST LOS ANGELES SERVICE CENTER	12300 NEBRASKA AVE, LOS ANGELES, CA 90025

Filter Chemicals By Nam

Expand/Collapse All

REPORT PERIOD: 2016
SUBMITTED 5/5/2017

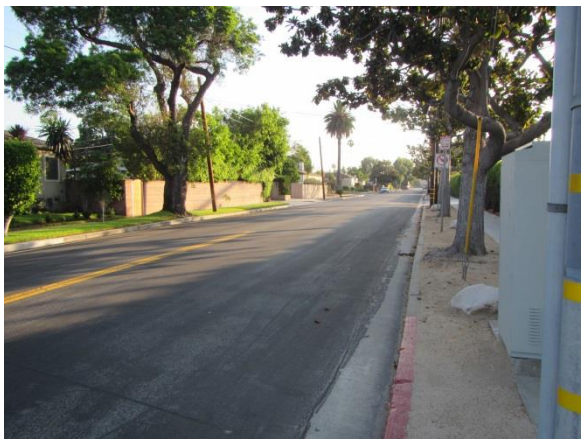
CHEMICAL NAME	CAS NUMBER	HAZARD LABEL	AVERAGE DAILY AMOUNT RANGE
ACETYLENE (GAS)	74-86-2	Fire, Sudden Release of Pressure, Reactivity	0-2599 Cubic Feet
AEROSOL CANS		Fire, Sudden Release of Pressure	12-59 Gallons
AEROSOL CANS		Fire, Sudden Release of Pressure	0-99 Pounds
ALL PURPOSE CLfEANER			0-11 Gallons
AMPACT CARTRIDGES FOR POWER TOOLS		Sudden Release of Pressure	0-99 Pounds
ANTI SIEZE COMPOUND			0-99 Pounds
ANTIFREEZE (ETHYLENE GLYCOL)	107-21-1		0-11 Gallons
AUTOMATIC TRANSMISSION FLUID		Fire	120-599 Gallons
BRAKE AND PARTS CLEANER		Fire	60-119 Gallons

APPENDIX E

Site Photographs

APPENDIX E
Site Photographs

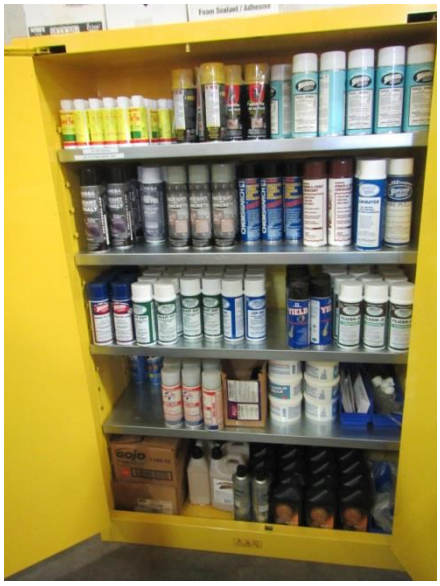
Photograph 1 – Photograph showing the office building on the subject property.	Photograph 2 – Photograph showing the locker room and tool room building on the subject property.
Photograph 3 – Photograph showing the parking lot on the subject property.	Photograph 4 – Photograph showing the auto service building on the subject property. Cracked asphalt is noted.

Photograph 5 – Photograph showing an access road located on the southeastern portion of the subject property. Southwestern-adjacent Receiving Station K is to the right.	Photograph 6 – Photograph showing the southeast yard that abuts Olympic Boulevard.
	
Photograph 7 – Photograph showing northwestern-adjacent Nebraska Avenue and residential housing (left).	Photograph 8 – Photograph showing the northeastern adjacent office building (foreground) and gaming company (background).

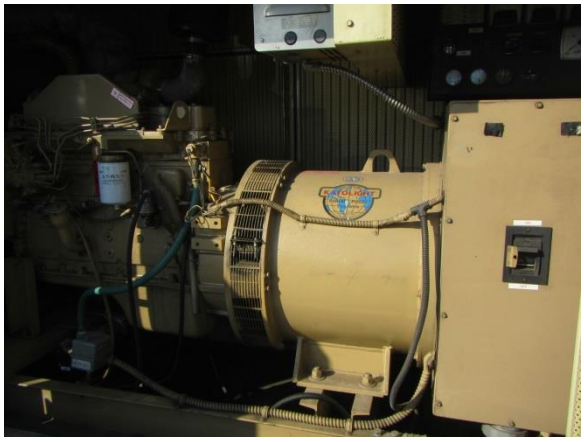
Photograph 9 – Photograph showing southwestern-adjacent Centinela Boulevard and office buildings.	Photograph 10 – Photograph showing the southeastern-adjacent veterinary clinic.
Photograph 11 – New transformers stored on the northeastern portion of the subject property.	Photograph 12 – New transformers stored on the northeastern portion of the subject property.

Photograph 13 – Portable temporary trailer-mounted transformers stored on the northeastern portion of the subject property.	Photograph 14 – Damaged transformers stored on the northeastern portion of the subject property.
Photograph 15 – Photograph showing the prefabricated materials storage containers on the northeastern portion of the subject property.	Photograph 16 – Empty drums stored on the northeastern portion of the subject property.

Photograph 17 – Photograph showing the outdoor sand and gravel storage located on the northeastern portion of the subject property.	Photograph 18 – Lead cables coated in cable oil stored on the southeastern portion of the subject property.
Photograph 19 – Photograph showing chemicals stored in the auto service building.	Photograph 20 – Photograph showing one of two parts washers in the auto service building.

	
Photograph 21 – Photograph showing a drum stored in the prefabricated storage building on the northeastern portion of the subject property.	Photograph 22 – Photograph showing aerosols stored in a flammable material cabinet in the tool room.
Photograph 23 – Photographs showing compressed gas storage on the northeastern portion of the subject property.	Photograph 24 – Photograph showing a wash rack in the auto service building on the subject property.

Photograph 25 – Hydraulic vehicle lift and chemical storage in the auto service building.	Photograph 26 –Hydraulic cable pulling tools. Stained asphalt was noted.
Photograph 27 – Damaged transformers stored on the subject property. Note the absorbent around one of the units.	Photograph 28 – Stained asphalt located near the damaged transformer storage area.

Photograph 29 – Photograph showing a gasoline AST and nozzle.	Photograph 30 – Photograph showing a diesel AST and nozzle.
	
Photograph 31 – Diesel emergency generator located on the northwestern portion of the subject property.	Photograph 32 – Diesel emergency generator located on the northwestern portion of the subject property.

APPENDIX F

Historical Aerial Photographs

12300 Nebraska Avenue

12300 Nebraska Avenue

Los Angeles, CA 90025

Inquiry Number: 5381550.8

August 03, 2018

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

08/03/18

Site Name:

12300 Nebraska Avenue
12300 Nebraska Avenue
Los Angeles, CA 90025
EDR Inquiry # 5381550.8

Client Name:

Dudek & Associates
605 Third Street
Encinitas, CA 92024
Contact: Susie Smith

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Flight Date: June 05, 2002	USDA
1994	1"=500'	Acquisition Date: June 01, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1981	1"=500'	Flight Date: February 17, 1981	USGS
1977	1"=500'	Flight Date: April 25, 1977	USGS
1970	1"=500'	Flight Date: February 17, 1970	USGS
1967	1"=500'	Flight Date: August 13, 1967	USGS
1964	1"=500'	Flight Date: July 28, 1964	USGS
1952	1"=500'	Flight Date: April 11, 1952	USDA
1947	1"=500'	Flight Date: August 21, 1947	USGS
1938	1"=500'	Flight Date: May 22, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	USGS

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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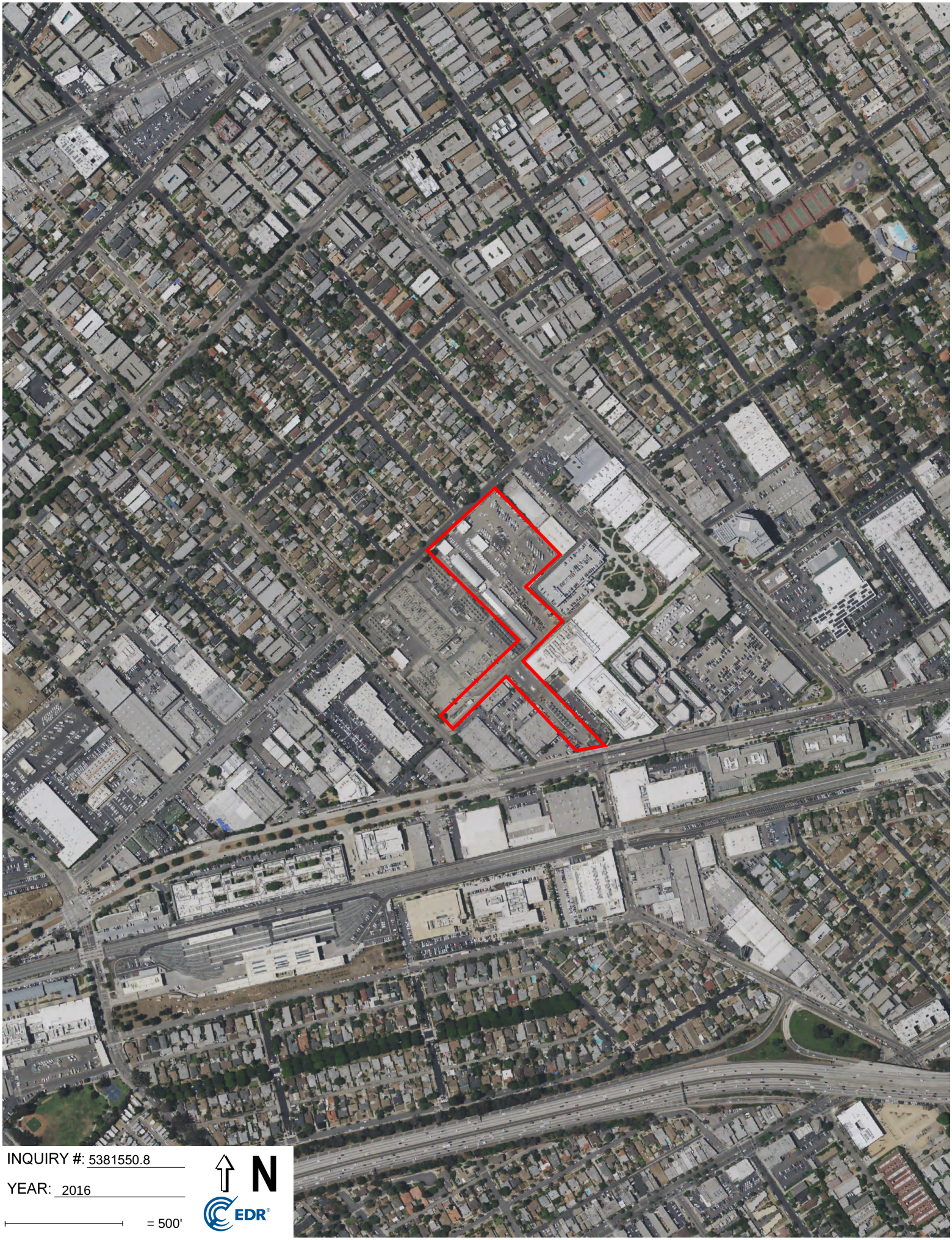


INQUIRY #: 5381550.8

YEAR: 2016

= 500'

N

EDR

INQUIRY #: 5381550.8

YEAR: 2012

= 500'

N

EDR

INQUIRY #: 5381550.8

YEAR: 2009

= 500'

N

EDR

INQUIRY #: 5381550.8

YEAR: 2005

= 500'

N

EDR

INQUIRY #: 5381550.8

YEAR: 2002

= 500'

N

EDR

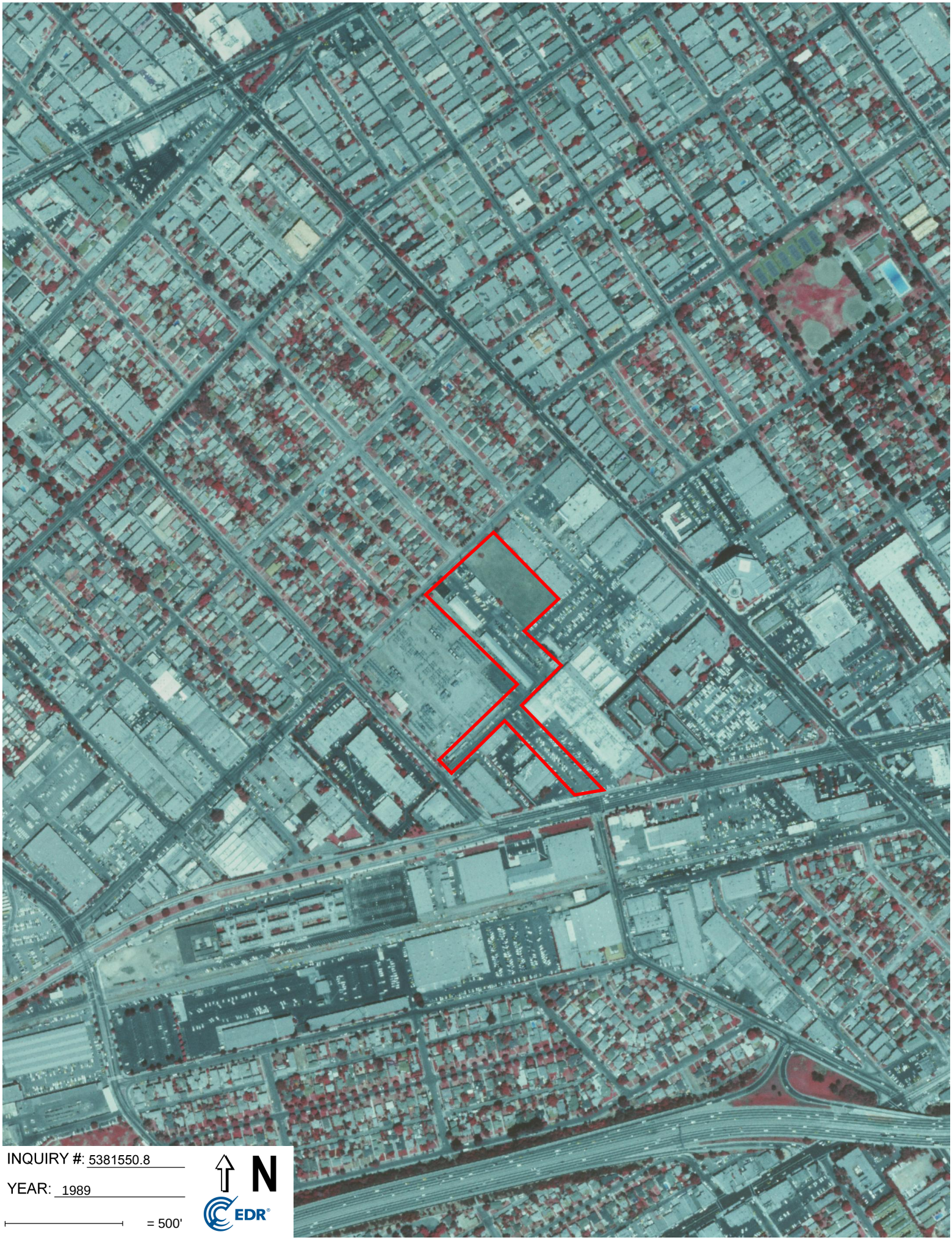
INQUIRY #: 5381550.8

YEAR: 1994

= 500'

N

EDR



INQUIRY #: 5381550.8

YEAR: 1989

= 500'

N

EDR

INQUIRY #: 5381550.8

YEAR: 1981

= 500'

N

EDR

INQUIRY #: 5381550.8

YEAR: 1977

= 500'

N

EDR

INQUIRY #: 5381550.8

YEAR: 1970

= 500'

N

EDR

INQUIRY #: 5381550.8

YEAR: 1967

= 500'

N

EDR

INQUIRY #: 5381550.8
YEAR: 1964
= 500'
N
EDR

INQUIRY #: 5381550.8

YEAR: 1952

= 500'

N

EDR

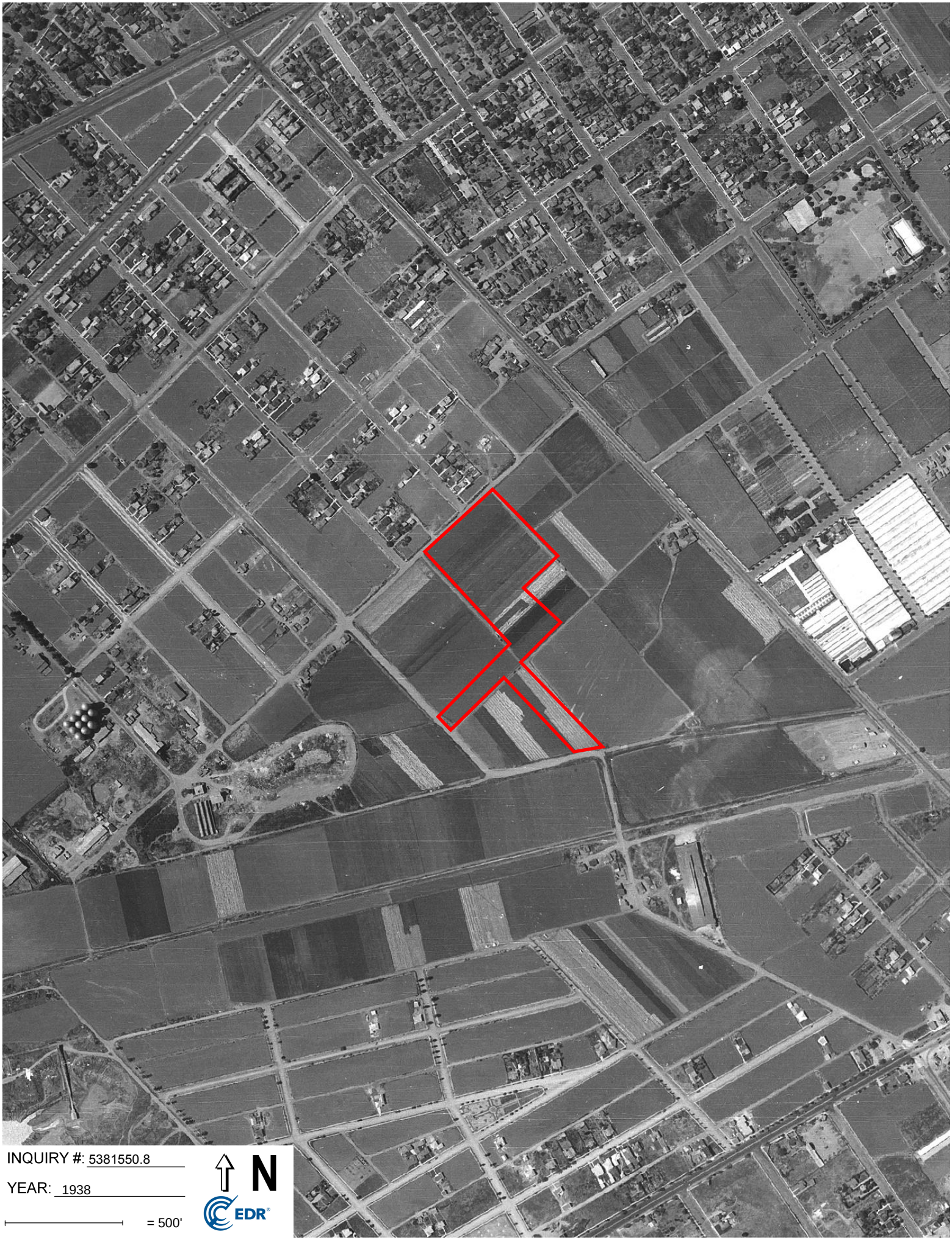
INQUIRY #: 5381550.8

YEAR: 1947

= 500'

N

EDR



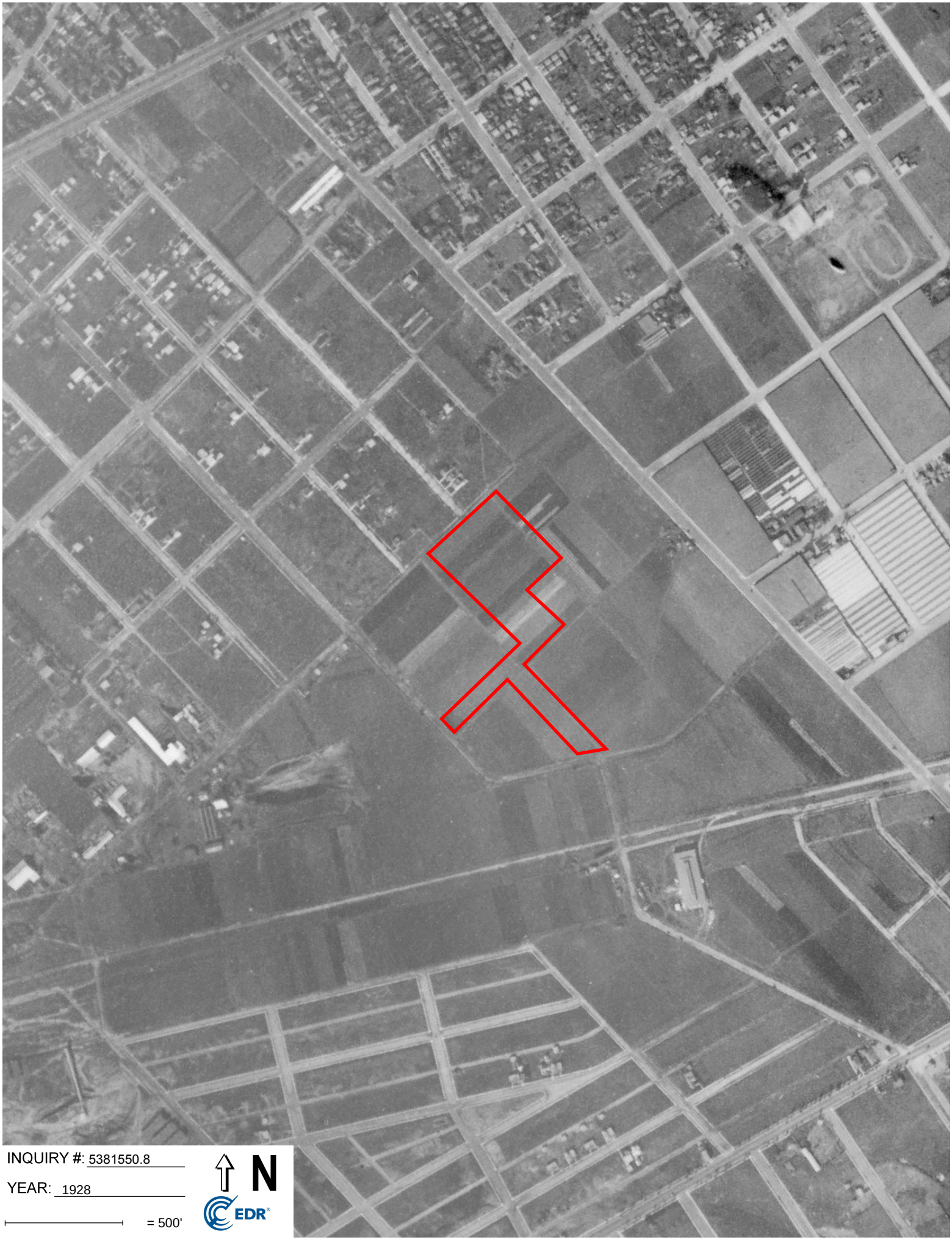
INQUIRY #: 5381550.8

YEAR: 1938

= 500'

N

EDR



INQUIRY #: 5381550.8

YEAR: 1928

= 500'

N

EDR

APPENDIX G

Certified Sanborn Map Report

12300 Nebraska Avenue

12300 Nebraska Avenue

Los Angeles, CA 90025

Inquiry Number: 5381550.3

August 03, 2018

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/03/18

Site Name:	Client Name:
12300 Nebraska Avenue	Dudek & Associates
12300 Nebraska Avenue	605 Third Street
Los Angeles, CA 90025	Encinitas, CA 92024
EDR Inquiry # 5381550.3	Contact: Susie Smith

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Dudek & Associates were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

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 # 7EC7-4585-9899

PO # 10649

Project West LA District Yard

Maps Provided:

1965

Sanborn® Library search results

Certification #: 7EC7-4585-9899

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Dudek & Associates (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

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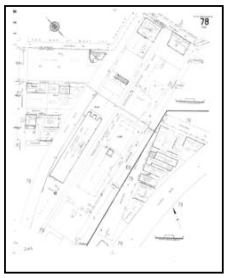
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

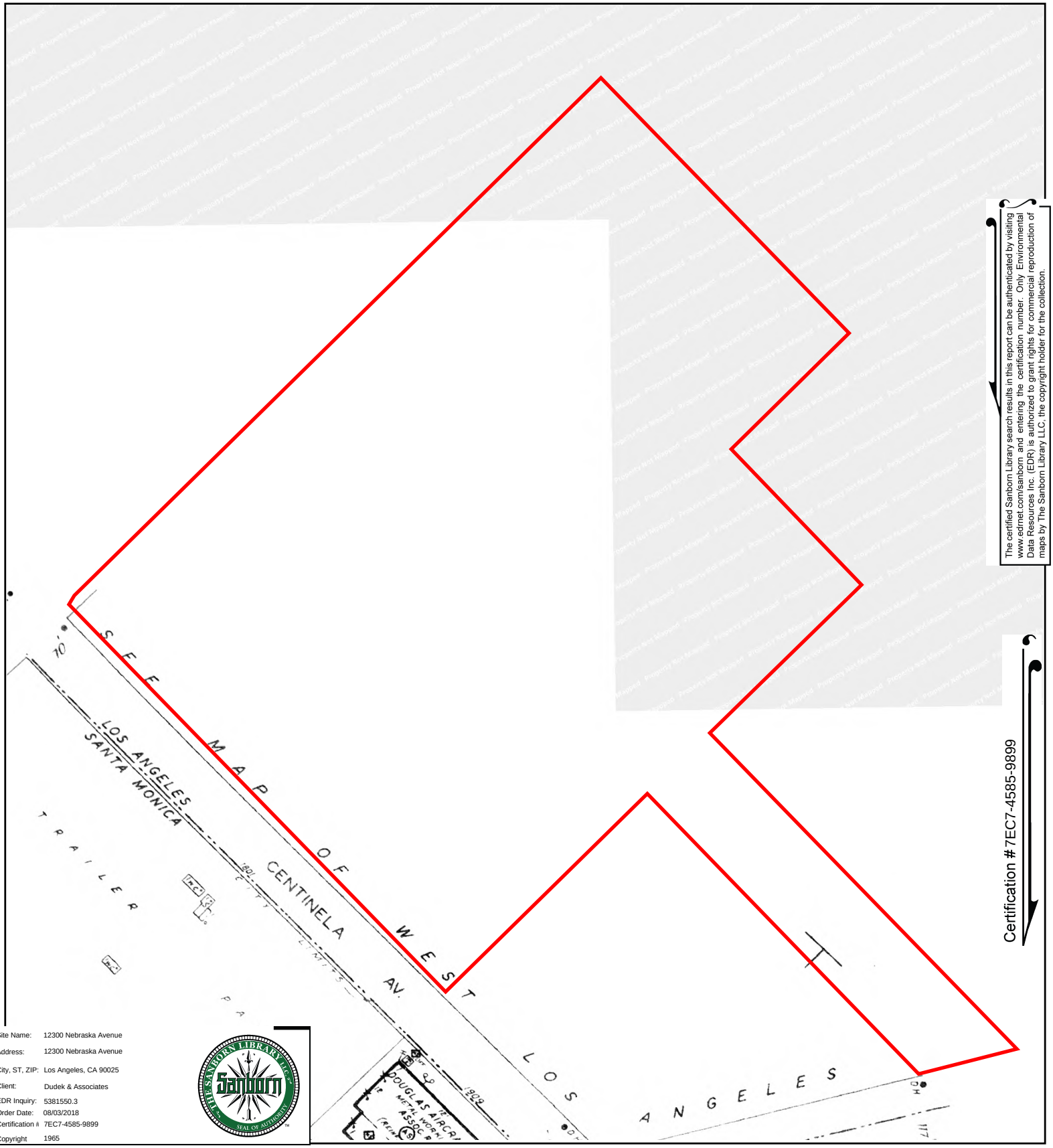
1965 Source Sheets



Volume 1S, Sheet 78
1965

Certified Sanborn® Map

1965



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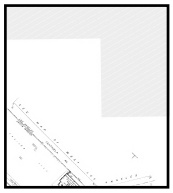
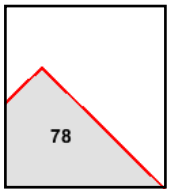
Certification # 7EC7-4585-9899

Site Name:	12300 Nebraska Avenue
Address:	12300 Nebraska Avenue
City, ST, ZIP:	Los Angeles, CA 90025
Client:	Dudek & Associates
EDR Inquiry:	5381550.3
Order Date:	08/03/2018
Certification #	7EC7-4585-9899
Copyright	1965

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600





Volume 1S, Sheet 78

N

APPENDIX H

City Directory

12300 Nebraska Avenue
12300 Nebraska Avenue
Los Angeles, CA 90025

Inquiry Number: 5381550.5
August 03, 2018

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

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 332 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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Data by infoUSA®

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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	-
2010	EDR Digital Archive	-	X	X	-
2006	Haines Co., Inc.	-	X	X	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines Company, Inc.	-	-	-	-
2000	Haines & Company	-	X	X	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	-	-	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1985	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1980	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1976	R.L. Polk & Co Publishers	-	-	-	-
1975	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	R. L. Polk & Co.	-	-	-	-
1970	Pacific Telephone	-	X	X	-
1969	Pacific Telephone	-	-	-	-
1967	R. L. Polk & Co.	-	-	-	-
1966	Pacific Telephone	-	-	-	-
1965	Pacific Telephone	-	X	X	-
1964	Pacific Telephone	-	-	-	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	-	-	-
1958	Pacific Telephone	-	X	X	-
1957	Pacific Telephone	-	-	-	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	X	X	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Los Angeles Directory Co.	-	-	-	-
1950	Pacific Telephone	-	-	-	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Los Angeles Directory Co.	-	X	X	-
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 Directory Co.	-	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.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
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.	-	X	X	-
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.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	***Type***	***Findings***
12270 Nebraska Avenue	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

12300 Nebraska Avenue
Los Angeles, CA 90025

FINDINGS DETAIL

Target Property research detail.

NEBRASKA AVE

12270 NEBRASKA AVE

Year	Uses	Source
1990	PLASKON ELECTRONIC MATERIALS INC WEST LOS ANGELES	Pacific Bell
1986	PLASKON ELECTRONIC MATERIALS INC WEST LOS ANGELES	Pacific Bell
1985	PLASKON ELECTRONIC MATERIALS INC	Pacific Bell
1981	PLASKON PRODUCTS INC WEST LOS ANGELES	Pacific Telephone
1980	From Los Angeles Telephones Ca	Pacific Telephone
	Plaskon Products	Pacific Telephone
	Plaskon Products Din Allied Chemical Corp	Pacific Telephone
	Plaskon Products Plastics Div Allied Chemical Corp	Pacific Telephone
1975	ALLIED CHEMICAL CORPORATION	Pacific Telephone
	Mesa Products	Pacific Telephone
	MESA PRODUCTS PLASTICS DIV ALLIED CHEMICAL CORP	Pacific Telephone
1962	MESA PLOS ANGELESSTICS CO	Pacific Telephone

Nebraska Avenue

12270 Nebraska Avenue

Year	Uses	Source
1990	PLASKON ELECTRONIC MATERIALS INC WEST LOS ANGELES	Pacific Bell
1986	PLASKON ELECTRONIC MATERIALS INC WEST LOS ANGELES	Pacific Bell
1985	PLASKON ELECTRONIC MATERIALS INC	Pacific Bell
1981	PLASKON PRODUCTS INC WEST LOS ANGELES	Pacific Telephone
1980	From Los Angeles Telephones Ca	Pacific Telephone

FINDINGS

Year	Uses	Source
1980	Plaskon Products	Pacific Telephone
	Plaskon Products Din Allied Chemical Corp	Pacific Telephone
	Plaskon Products Plastics Div Allied Chemical Corp	Pacific Telephone
1975	ALLIED CHEMICAL CORPORATION	Pacific Telephone
	Mesa Products	Pacific Telephone
	MESA PRODUCTS PLASTICS DIV ALLIED CHEMICAL CORP	Pacific Telephone
1962	MESA PLOS ANGELESSTICS CO	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

Nebraska Ave

3216 Nebraska Ave

Year	Uses	Source
2014	ART GROUP INTERNATIONAL INC	EDR Digital Archive
	HIRSCH/BEDNER INTL INC	EDR Digital Archive
	HIRSCH BEDNER ASSOCIATES	EDR Digital Archive
	PURCHASE SERVICE LTD	EDR Digital Archive
	PURCHASE SERVICE LTD	EDR Digital Archive
	HIRSCH/BEDNER INTL INC	EDR Digital Archive
	HIRSCH BEDNER ASSOCIATES	EDR Digital Archive
	ART GROUP INTERNATIONAL INC	EDR Digital Archive
2010	ART GROUP INTERNATIONAL INC	EDR Digital Archive
	PURCHASE SERVICE LTD	EDR Digital Archive
	HIRSCH/BEDNER INTL INC	EDR Digital Archive
	ELEPHANT SHOP	EDR Digital Archive
	ELEPHANT SHOP	EDR Digital Archive
	HIRSCH/BEDNER INTL INC	EDR Digital Archive
	PURCHASE SERVICE LTD	EDR Digital Archive
	ART GROUP INTERNATIONAL INC	EDR Digital Archive

3220 Nebraska Ave

Year	Uses	Source
2014	AMC USA LLC	EDR Digital Archive
	AMC USA LLC	EDR Digital Archive
2010	WALDEN STRUCTURES LLC	EDR Digital Archive
	DELLICE GROUP LLC	EDR Digital Archive
	AMC USA LLC	EDR Digital Archive
	WALDEN STRUCTURES LLC	EDR Digital Archive
	DELLICE GROUP LLC	EDR Digital Archive
	AMC USA LLC	EDR Digital Archive

3226 Nebraska Ave

Year	Uses	Source
2014	TONO STUDIOS INC	EDR Digital Archive

FINDINGS

Year	Uses	Source
2014	TONO STUDIOS INC	EDR Digital Archive
2010	TONO STUDIOS INC	EDR Digital Archive
	HIRSCH PRODUCT	EDR Digital Archive
	TONO STUDIOS INC	EDR Digital Archive
	HIRSCH PRODUCT	EDR Digital Archive

3228 Nebraska Ave

Year	Uses	Source
2014	ECOLOGY WEST TECH	EDR Digital Archive
	RATED I CREATIVE LLC	EDR Digital Archive
	WOODY FRASER PROUCTIONS	EDR Digital Archive
	WOODY FRASER PROUCTIONS	EDR Digital Archive
	RATED I CREATIVE LLC	EDR Digital Archive
	ECOLOGY WEST TECH	EDR Digital Archive
2010	WOODY FRASER PROUCTIONS	EDR Digital Archive
	RATED I CREATIVE LLC	EDR Digital Archive
	ECOLOGY WEST TECH	EDR Digital Archive
	RATED I CREATIVE LLC	EDR Digital Archive
	WOODY FRASER PROUCTIONS	EDR Digital Archive
	ECOLOGY WEST TECH	EDR Digital Archive

3232 Nebraska Ave

Year	Uses	Source
2010	ORACLE POST INC	EDR Digital Archive
	LOT 4 PARTNERS LTD A CALIF	EDR Digital Archive
	LOT 9 LP	EDR Digital Archive
	LOT 4 PARTNERS LTD A CALIF	EDR Digital Archive
	LOT 9 LP	EDR Digital Archive
	ORACLE POST INC	EDR Digital Archive

NEBRASKA AVE

12210 NEBRASKA AVE

Year	Uses	Source
2006	BIG TIMEPICTURE	Haines Co., Inc.
	COMPANY INC	Haines Co., Inc.
2000	BIG TIME PICTURE CO	Haines & Company
	HDI CONSULTNG	Haines & Company
	1/2 EARLY EDITION	Haines & Company
	THIRD MIRACLE PRODUCTIONS	Haines & Company

FINDINGS

Year	Uses	Source
1991	Betsy HWeddinglnc	Pacific Bell
	Batt HM 8226467	Pacific Bell
	Bottalab 50704	Pacific Bell
	Carlan Graham & Associates	Pacific Bell
	Carlan Graham & Associates	Pacific Bell
	Churchi Entertainment	Pacific Bell
	Churchill Flms	Pacific Bell
	Churchi B Pkctures	Pacific Bell
	Conus West	Pacific Bell
	Cunnigham Sean S Films	Pacific Bell
	Cunningham Films	Pacific Bell
	Douglas Production	Pacific Bell
	Douglas Productions 2858401	Pacific Bell
	Douglas Raphy Azoulay	Pacific Bell
	Fideout Music	Pacific Bell
	Fim Works	Pacific Bell
	Fiochowski AV SANTA MONICA 4502130	Pacific Bell
	Pacsat Communications	Pacific Bell
	PACTEL BUSINESS SYSTEMS	Pacific Bell
	West Los Angele 4738436	Pacific Bell
	City Of Commerce	Pacific Bell
	Torrance	Pacific Bell
	No Charge To Calling Party	Pacific Bell
	No Charge To Calling Party	Pacific Bell
	No Charge To Calling Party	Pacific Bell
	Pac Tel Cellular Wholesale Customer Service No Charge To Calling Party	Pacific Bell
	Resnlck Margellos Productions	Pacific Bell
	Sideout	Pacific Bell
	Sideris Klear & Nina 2021577	Pacific Bell
	Siderius Peter	Pacific Bell
	Siderius Pete	Pacific Bell
	Siderman Marcy	Pacific Bell
	BETSYHWEDDINGLNC	Pacific Bell
	CARLAN-GRAHAM & ASSOCIATES	Pacific Bell
	CHURCHI ENTERTAINMENT	Pacific Bell
	CHURCHILLFLMS	Pacific Bell
	CHURCHIB PKCTURES	Pacific Bell
	CONUS WEST	Pacific Bell

FINDINGS

Year	Uses	Source
1991	CUNNIGHAM SEAN S FILMS	Pacific Bell
	CUNNINGHAM FILMS	Pacific Bell
	DOUGLAS PRODUCTION	Pacific Bell
	FIMWORKS	Pacific Bell
	PACSAT COMMUNICATIONS	Pacific Bell
	RESNLCK-MARGELLOS PRODUCTIONS	Pacific Bell
1980	Per Sci Inc	Pacific Telephone
	Engineering	Pacific Telephone
	Finance	Pacific Telephone
	Manufacturing	Pacific Telephone
	President	Pacific Telephone
1962	TRANSCO PRODUCTS INC AIRCRFT EQUIP	Pacific Telephone

S Centinela Ave

1736 S Centinela Ave

Year	Uses	Source
2014	SHARIFF RAZIA	EDR Digital Archive
	SHARIFF RAZIA	EDR Digital Archive
2010	SHARIFF RAZIA	EDR Digital Archive
	SHARIFF RAZIA	EDR Digital Archive

WELLESLEY AVE

1744 WELLESLEY AVE

Year	Uses	Source
2006	ESTRADA Henry	Haines Co., Inc.
2000	ESTRADA Henry	Haines & Company
	KATZ M	Haines & Company
1954	MELLER LLOYD P REV	R. L. Polk & Co.
1948	Magaman C E jr	Los Angeles Directory Co.
1940	Stahl Lawrence	Los Angeles Directory Co.
1933	Vacant	Los Angeles Directory Co.
1928	Jordan L	Los Angeles Directory Co.

1745 WELLESLEY AVE

Year	Uses	Source
2006	MONTANOAvaristo T	Haines Co., Inc.
2000	MONTANO Avaristo T	Haines & Company

FINDINGS

Year	Uses	Source
1991	Montano Avaristo T	Pacific Bell
	MONTANOAVARISTOT	Pacific Bell
1985	MONTANO AVARISTO T	Pacific Bell
1980	Montano Avaristo T	Pacific Telephone
1975	MONTANA REBECCA	Pacific Telephone
	MONTANA CECILIA	Pacific Telephone
	MONTANO AVARISTO T	Pacific Telephone
1970	MONTANO AVARISTO T	Pacific Telephone
	MONTANO AVARISTO PJR	Pacific Telephone
1965	MONTANA AVARISTO T	Pacific Telephone
1962	MONROVIATANO AVARISTO T	Pacific Telephone
1958	HUDSON HARRY A	Pacific Telephone
1954	MELVIN GERALD T R	R. L. Polk & Co.
1948	Melvin G T	Los Angeles Directory Co.
1940	AMelvin G T	Los Angeles Directory Co.

1748 WELLESLEY AVE

Year	Uses	Source
2006	Mohammad	Haines Co., Inc.
	BLOURTCHI	Haines Co., Inc.
2000	BLOURTCHI Kamran	Haines & Company
1991	UNITED STATES SYSTEMS	Pacific Bell
	United States Tennis AssociationUSTA WESTWOOD 2083838	Pacific Bell
	United States Systems	Pacific Bell
1975	PACINI CECILA R	Pacific Telephone
1970	PACLNL CECLIA R	Pacific Telephone
1965	BERG VESTA J	Pacific Telephone
1962	BERG GUSTAF H	Pacific Telephone
1958	BERG GUSTAF H	Pacific Telephone
1954	BERG GUSTAF H	R. L. Polk & Co.
1948	Moore C H	Los Angeles Directory Co.
1940	Zirws WM A Mrs	Los Angeles Directory Co.
	Zirws F T	Los Angeles Directory Co.
1933	Dowdakin C E	Los Angeles Directory Co.
1928	Kraft H W	Los Angeles Directory Co.

FINDINGS

1749 WELLESLEY AVE

Year	Uses	Source
2000	HATANAKA Ben	Haines & Company
1980	Hatanaka Ben	Pacific Telephone
1975	HATANAKA BEN	Pacific Telephone
1970	HATANAKA BEN	Pacific Telephone
1965	HATANAKA BEN	Pacific Telephone
1962	HATANAKA BEN	Pacific Telephone
1958	HATANAKA BEN	Pacific Telephone
1954	BITONDO DOMENIC	R. L. Polk & Co.
1948	Datweiller Jas	Los Angeles Directory Co.

1752 WELLESLEY AVE

Year	Uses	Source
2006	REYESArt	Haines Co., Inc.
2000	REYES Art	Haines & Company
1991	REYES ARTESIA	Pacific Bell
	Reyes ARTESIA	Pacific Bell
1985	REYES ART	Pacific Bell
1980	Reycs ARTESIA	Pacific Telephone
1970	REYES ARTESIA	Pacific Telephone
1962	GALE LAWMENCE R	Pacific Telephone
1958	GALE LAWRENCE R	Pacific Telephone
1954	GALE LAWRENCE R R	R. L. Polk & Co.
1948	Gale L R	Los Angeles Directory Co.
1940	4 Zirnmerman J P	Los Angeles Directory Co.
1933	Barton L V	Los Angeles Directory Co.
1928	Donovan Thos	Los Angeles Directory Co.

1753 WELLESLEY AVE

Year	Uses	Source
2006	No Current Listing	Haines Co., Inc.
2000	MISHIMA Taro	Haines & Company
1980	Mishima Taro	Pacific Telephone
1975	MISHIMA TARO	Pacific Telephone
1965	MISHIMA TARS	Pacific Telephone
1962	MISHISSA TARS	Pacific Telephone
1958	MISHIMA TARO	Pacific Telephone

FINDINGS

1756 WELLESLEY AVE

Year	Uses	Source
2006	RODRIGUEZPedro V	Haines Co., Inc.
2000	RODRIGUEZ Pedro V	Haines & Company
	RODRIGUEZ Angie	Haines & Company
1991	Rodriguez Pedro Valdez	Pacific Bell
	Bonilla John	Pacific Bell
	Bonilla Francisca Venice 396225	Pacific Bell
	Bonilla Filiberto	Pacific Bell
	RODRIGUEZ PEDRO VALDEZ	Pacific Bell
	BONILLA FILIBERTO	Pacific Bell
1985	RODRIGUEZ PEDRO VALDEZ	Pacific Bell
1980	Rodriguez Pedro Valdes	Pacific Telephone
1965	HALL EDW D	Pacific Telephone
1962	STEVEINS RAYMOND R	Pacific Telephone
1954	CEARNS DANI E	R. L. Polk & Co.
1948	Caples Velma Mrs	Los Angeles Directory Co.
1940	Slaney B C	Los Angeles Directory Co.

1757 WELLESLEY AVE

Year	Uses	Source
2006	ESTRADA Henry P	Haines Co., Inc.
2000	ESTRADA Henry P	Haines & Company
1991	Estradal 2046995	Pacific Bell
	ESTRADA HENRY P	Pacific Bell
	Estrada Henry P	Pacific Bell
1985	ESTRADA HENRY P	Pacific Bell
1958	ESTRADA HENRY	Pacific Telephone
1954	POLLOCK JOHN	R. L. Polk & Co.
1948	Pollock John	Los Angeles Directory Co.
1940	Pollock John	Los Angeles Directory Co.

1760 WELLESLEY AVE

Year	Uses	Source
2006	MOSELEYMark	Haines Co., Inc.
2000	WOSELEY Mark	Haines & Company
1991	MOSLEY MARK	Pacific Bell
	Mosley Mark	Pacific Bell
1985	MOSLEY MARK	Pacific Bell
1954	SPRINGER JOHN TILE	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1948	Springer J S	Los Angeles Directory Co.

1761 WELLESLEY AVE

Year	Uses	Source
2006	ANDERSON Daid	Haines Co., Inc.
2000	WEALTH CODE	Haines & Company
	X EXPOSITION BLVD	Haines & Company
	X NEBRASKA AV	Haines & Company
	ANOERSON David	Haines & Company
1991	Difato Mark	Pacific Bell
	DIFATO MARK	Pacific Bell
1985	DIFATO MARK	Pacific Bell
1962	DOYLE PHYLLIS M	Pacific Telephone
1958	PURTICK E J	Pacific Telephone
1954	GIBSON GLENN H	R. L. Polk & Co.
1948	Munyon J M	Los Angeles Directory Co.
1940	4 Munyon Jas	Los Angeles Directory 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
12300 Nebraska Avenue	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 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
12210 NEBRASKA AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 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
1736 S Centinela 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
1736 S Centinela 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
1744 WELLESLEY AVE	2014, 2010, 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, 1952, 1951, 1950, 1949, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1745 WELLESLEY AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1748 WELLESLEY AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1749 WELLESLEY AVE	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 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
1752 WELLESLEY AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1753 WELLESLEY AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1961, 1960, 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
1756 WELLESLEY AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1757 WELLESLEY AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1760 WELLESLEY AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 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
1761 WELLESLEY AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3216 Nebraska 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
3216 Nebraska 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
3220 Nebraska 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
3220 Nebraska 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
3226 Nebraska 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

FINDINGS

Address Researched	Address Not Identified in Research Source
3226 Nebraska 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
3228 Nebraska 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
3228 Nebraska 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
3232 Nebraska Ave	2014, 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
3232 Nebraska Ave	2014, 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

APPENDIX I

Vapor Encroachment Screen Report

12300 Nebraska Avenue
12300 Nebraska Avenue
Los Angeles, CA 90025

Inquiry Number: 5381550.2s
August 22, 2018

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Map Findings	**4**
Record Sources and Currency	**GR-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 EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Federal NPL site list	1.0	0	0	0
Federal Delisted NPL site list	1.0	0	0	0
Federal CERCLIS list	0.5	0	0	0
Federal CERCLIS NFRAP site list	0.5	0	1	0
Federal RCRA CORRACTS facilities list	1.0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list	0.5	0	0	0
Federal RCRA generators list	0.25	1	2	1
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	0.001	0	0	-
State- and tribal - equivalent NPL	1.0	0	0	0
State- and tribal - equivalent CERCLIS	1.0	0	1	0
State and tribal landfill and/or solid waste disposal site lists	0.5	0	0	0
State and tribal leaking storage tank lists	0.5	0	2	1
State and tribal registered storage tank lists	0.25	1	0	2
State and tribal institutional control / engineering control registries	not searched	-	-	-
State and tribal voluntary cleanup sites	0.5	0	1	0
State and tribal Brownfields sites	0.5	0	0	0

ADDITIONAL ENVIRONMENTAL RECORDS				
Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	1.0	0	0	0
Local Lists of Registered Storage Tanks	0.25	1	3	4
Local Land Records	0.5	0	0	0
Records of Emergency Release Reports	0.5	0	0	0
Other Ascertainable Records	1.0	5	5	2

EDR HIGH RISK HISTORICAL RECORDS				
EDR Exclusive Records	1.0	0	1	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	1	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

12300 NEBRASKA AVENUE
12300 NEBRASKA AVENUE
LOS ANGELES, CA 90025

COORDINATES

Latitude (North):	34.033501 - 34° 2′ 0.602417″
Longitude (West):	118.45953 - 118° 27′ 34.32129″
Elevation:	160 ft. above sea level

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records.

Site	Database(s)
WEST LOS ANGELES SERVICE CENTER 12300 NEBRASKA AVE LOS ANGELES, CA 90025	AST
L A DWP/WEST LA DISTRIBUTION HDQTRS 12300 NEBRASKA AVE LOS ANGELES, CA 900250000	HAZNET GEPAID: CAL000042127
LA DEPARTMENT WATER & POWER 12300 NEBRASKA AVE LOS ANGELES, CA 900250000	HAZNET GEPAID: CAD983613225
WEST LA SERVICE CENTER 12300 NEBRASKA AVENUE LOS ANGELES, CA 90025	RCRA-LQG EPA ID:: CAD983613225
WEST LA SERVICE CENTER 12300 NEBRASKA AVENUE LOS ANGELES, CA 90025	ECHO Registry ID: 110042272705 FINDS Registry ID:: 110042272705
LA DEPARTMENT WATER & POWER 12300 NEBRASKA AVE LOS ANGELES, CA 900250000	FINDS Registry ID:: 110019000873
WEST LOS ANGELES SERVICE CENTER 12300 NEBRASKA AVE LOS ANGELES, CA 90025	FINDS Registry ID:: 110065414634
W LOS ANGELES DISTRIBUTION HQ 12300 NEBRASKA AVE LOS ANGELES, CA 90025	SWEEPS UST Status: Comp Number: 6108 Tank Status: CA FID UST Status: I Facility Id: 19035199

EXECUTIVE SUMMARY

SEARCH RESULTS

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
WEST LOS ANGELES SERVICE CENTER AST: AST	12300 NEBRASKA AVE	Property	▲ A1	10
WEST LA SERVICE CENTER RCRA-LQG: RCRA-LQG	12300 NEBRASKA AVENUE	Property	▲ A4	10
HUDSON ELEMENT LA CPS-SLIC: CPS-SLIC	12333 WEST OLYMPIC BLVD	<1/10 SE	◆ C12	12
AGI PROPERTIES CPS-SLIC: CPS-SLIC	12333 OLYMPIC	<1/10 SE	◆ C14	12
12210 1/2 NEBRASKA AVENUE PROPERTY ENVIROSTOR: ENVIROSTOR VCP: VCP	12210 1/2 NEBRASKA AVENUE	<1/10 NNE	▲ B15	12
TELEDYNE CONTROLS S B U OF T T INC RCRA-SQG: RCRA-SQG EMI: EMI	12333 W OLYMPIC BLVD	<1/10 ESE	◆ 16	13
SANTA MONICA WELL FIELD SEMS-ARCHIVE: SEMS-ARCHIVE	OLYMPIC & CENTINELA BLVDS	<1/10 S	◆ 17	13
TELEFLORA RCRA-SQG: RCRA-SQG FINDS: FINDS ECHO: ECHO	12233 W OLYMPIC BLVD	<1/10 ESE	◆ E18	13
FOX TELEVISION STATIONS, INC. UST: UST	1999 BUNDY DR	1/10 - 1/3 E	◆ I20	13
FOX TELEVISION STATIONS, INC. UST: UST	1999 S BUNDY DR	1/10 - 1/3 E	◆ I21	14
HUDSON ELEMENT LA CPS-SLIC: CPS-SLIC	1901, 1925, 1933 S. BUNDY DR.	1/10 - 1/3 E	◆ I23	14
LA WEST LOS ANGELES ANIMAL SHELTER FINDS: FINDS ECHO: ECHO RCRA-SQG: RCRA-SQG HAZNET: HAZNET	11950 W MISSOURI AVE	1/10 - 1/3 NE	▲ V26	15

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
L A DWP/WEST LA DISTRIBUTION HDQTRS HAZNET: HAZNET	12300 NEBRASKA AVE	Property	▲ A2	10
LA DEPARTMENT WATER & POWER HAZNET: HAZNET	12300 NEBRASKA AVE	Property	▲ A3	10
WEST LA SERVICE CENTER ECHO: ECHO FINDS: FINDS	12300 NEBRASKA AVENUE	Property	▲ A5	11
LA DEPARTMENT WATER & POWER FINDS: FINDS	12300 NEBRASKA AVE	Property	▲ A6	11
WEST LOS ANGELES SERVICE CENTER FINDS: FINDS	12300 NEBRASKA AVE	Property	▲ A7	11
W LOS ANGELES DISTRIBUTION HQ SWEEPS UST: SWEEPS UST CA FID UST: CA FID UST	12300 NEBRASKA AVE	Property	▲ A8	11
PLASKON ELECTRONIC MATL CO INC RCRA NonGen / NLR: RCRA NonGen / NLR SWEEPS UST: SWEEPS UST EMI: EMI CA FID UST: CA FID UST HIST UST: HIST UST	12270 NEBRASKA AVE	<1/10 N	▲ B9	11
PLASKON ELECTRONIC, MATERIALS INC ECHO: ECHO FINDS: FINDS	12270 NEBRASKA AVE.	<1/10 N	▲ B10	12
DEPARTMENT OF WATER AND POWER CIWQS: CIWQS EMI: EMI CA FID UST: CA FID UST NPDES: NPDES	1840 CENTINELA AVE	<1/10 SSW	◆ 11	12
UNK SWEEPS UST: SWEEPS UST CA FID UST: CA FID UST	12333 OLYMPIC BLVD	<1/10 SE	◆ C13	12
TELEDYNE CONTROLS S B U OF T T INC RCRA-SQG: RCRA-SQG EMI: EMI	12333 W OLYMPIC BLVD	<1/10 ESE	◆ 16	13
TELEFLORA RCRA-SQG: RCRA-SQG FINDS: FINDS ECHO: ECHO	12233 W OLYMPIC BLVD	<1/10 ESE	◆ E18	13
CORNERSTONE PLAZA	1940 S BUNDY DR	1/10 - 1/3 ENE	▲ J22	14

EXECUTIVE SUMMARY

Name	Address	Dist/Dir	Map ID	Page
SWEEPS UST: SWEEPS UST CA FID UST: CA FID UST				
CORNERSTONE PLAZA SWEEPS UST: SWEEPS UST CA FID UST: CA FID UST HAZNET: HAZNET	1990 S BUNDY DRIVE	1/10 - 1/3 ENE	▲ J24	14
WEST LOS ANGELES ANIMAL SHELTE HIST UST: HIST UST	11950 MISSOURI AVE	1/10 - 1/3 NE	▲ V25	14
LA WEST LOS ANGELES ANIMAL SHELTER FINDS: FINDS ECHO: ECHO RCRA-SQG: RCRA-SQG HAZNET: HAZNET	11950 W MISSOURI AVE	1/10 - 1/3 NE	▲ V26	15
WEST LOS ANGELES ANIMAL SHELTE SWEEPS UST: SWEEPS UST CA FID UST: CA FID UST HIST UST: HIST UST	11950 MISSOURI AVE	1/10 - 1/3 NE	▲ V27	15

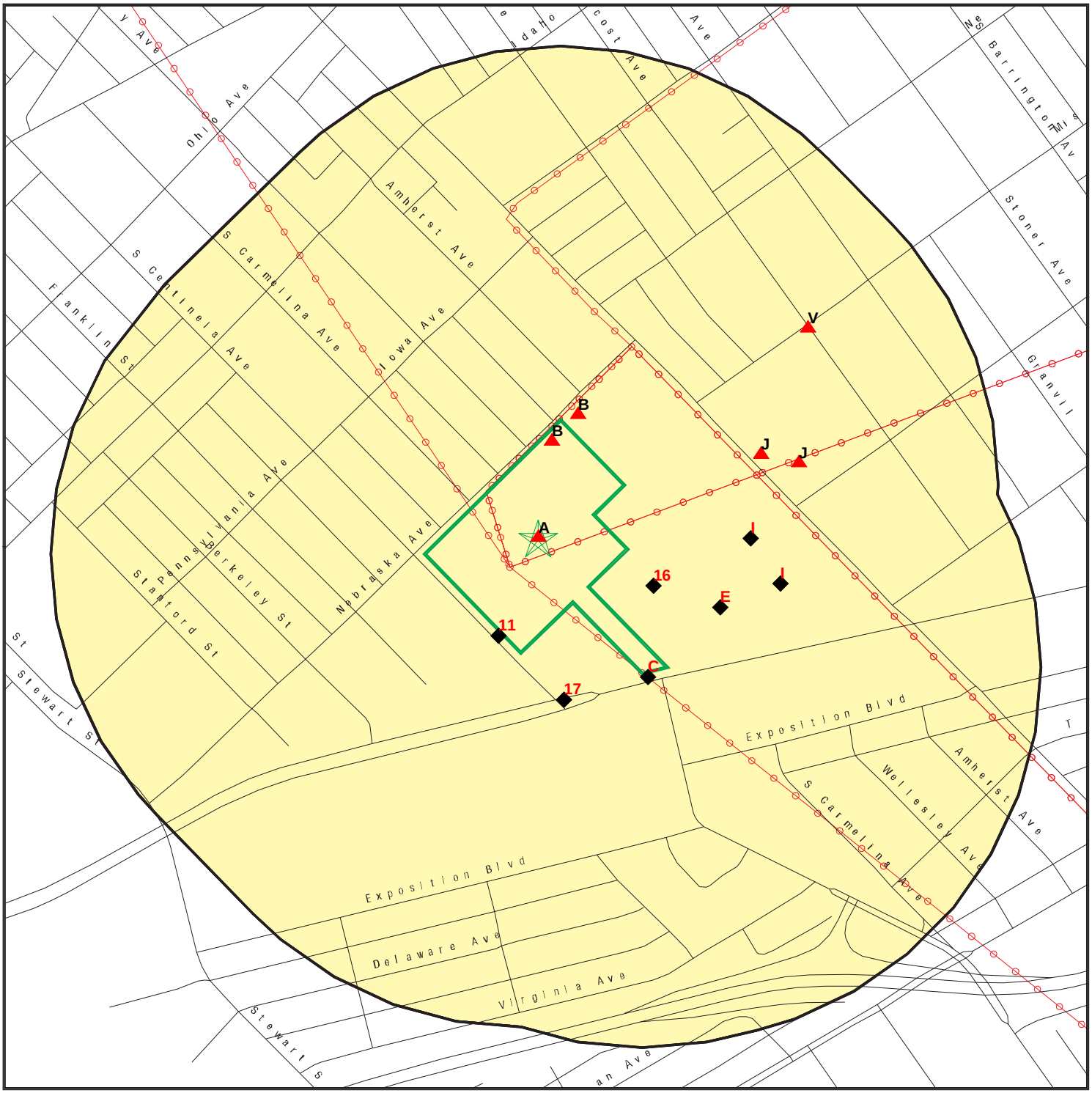
EDR HIGH RISK HISTORICAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
GETTY AGRICULTURAL BUSINESS IN EDR Hist Auto: EDR Hist Auto	12233 W OLYMPIC BLVD	<1/10 ESE	◆ E19	13

EDR RECOVERED GOVERNMENT ARCHIVES

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

PRIMARY MAP - 5381550.2S



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

0 300 1/3 Miles

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

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: 12300 Nebraska Avenue	CLIENT: Dudek & Associates
ADDRESS: 12300 Nebraska Avenue Los Angeles CA 90025	CONTACT: Susie Smith
	INQUIRY #: 5381550.2s
LAT/LONG: 34.033501 / 118.45953	DATE: August 03, 2018 3:44 pm

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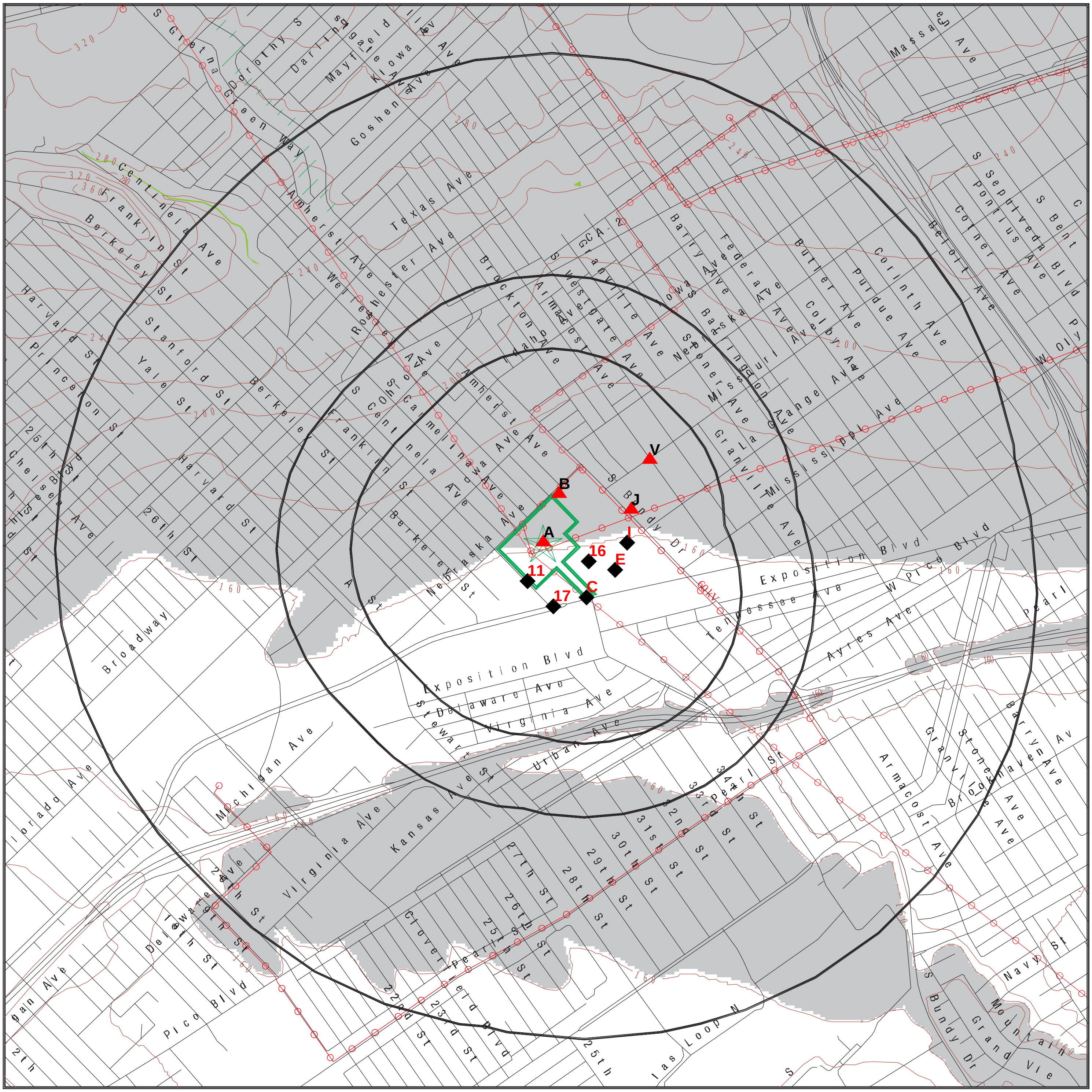
SECONDARY MAP - 5381550.2S



0	1/3	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
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- 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:	12300 Nebraska Avenue	CLIENT:	Dudek & Associates
ADDRESS:	12300 Nebraska Avenue	CONTACT:	Susie Smith
	Los Angeles CA 90025	INQUIRY #:	5381550.2s
LAT/LONG:	34.033501 / 118.45953	DATE:	August 03, 2018 3:43 pm

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LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**		EDR SITE ID NUMBER
◆ **MAP ID#**	Direction Distance Range (Distance feet / miles) Relative Elevation Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.

Worksheet:

Comments:
Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

WEST LOS ANGELES SERVICE CENTER 12300 NEBRASKA AVE, LOS ANGELES, CA, 90025		A100426150
▲ A1	Target Property 160 ft. Above Sea Level	State and tribal registered storage tank lists

Worksheet:

Impact on Target Property: VEC does not exist

L A DWP/WEST LA DISTRIBUTION HDQTRS 12300 NEBRASKA AVE, LOS ANGELES, CA, 900250000		S113038464
▲ A2	Target Property 160 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

LA DEPARTMENT WATER & POWER 12300 NEBRASKA AVE, LOS ANGELES, CA, 900250000		S113018107
▲ A3	Target Property 160 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

WEST LA SERVICE CENTER 12300 NEBRASKA AVENUE, LOS ANGELES, CA, 90025		1000597317
▲ A4	Target Property 160 ft. Above Sea Level	Federal RCRA generators list

Worksheet:

Impact on Target Property: VEC does not exist

WEST LA SERVICE CENTER 12300 NEBRASKA AVENUE, LOS ANGELES, CA, 90025			1014671558
▲ A5	Target Property		Other Ascertainable Records
		160 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

LA DEPARTMENT WATER & POWER 12300 NEBRASKA AVE, LOS ANGELES, CA, 900250000			1007739266
▲ A6	Target Property		Other Ascertainable Records
		160 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

WEST LOS ANGELES SERVICE CENTER 12300 NEBRASKA AVE, LOS ANGELES, CA, 90025			1023252686
▲ A7	Target Property		Other Ascertainable Records
		160 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

W LOS ANGELES DISTRIBUTION HQ 12300 NEBRASKA AVE, LOS ANGELES, CA, 90025			S101585975
▲ A8	Target Property		Local Lists of Registered Storage Tanks
		160 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

PLASKON ELECTRONIC MATL CO INC 12270 NEBRASKA AVE, LOS ANGELES, CA, 90025			1000383162
▲ B9	N <1/10	(0 ft. / 0 mi.)	Local Lists of Registered Storage Tanks Other Ascertainable Records
	5 ft. Higher Elevation	165 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

PLASKON ELECTRONIC, MATERIALS INC 12270 NEBRASKA AVE., LOS ANGELES, CA, 90025			1016068790
▲ B10	N <1/10	(0 ft. / 0 mi.)	Other Ascertainable Records
	5 ft. Higher Elevation	165 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

DEPARTMENT OF WATER AND POWER 1840 CENTINELA AVE, LOS ANGELES, CA, 900250000			S101587568
◆ 11	SSW <1/10	(21 ft. / 0.004 mi.)	Local Lists of Registered Storage Tanks Other Ascertainable Records
	2 ft. Lower Elevation	158 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

HUDSON ELEMENT LA 12333 WEST OLYMPIC BLVD, LOS ANGELES, CA, 90064			S113804548
◆ C12	SE <1/10	(24 ft. / 0.004 mi.)	State and tribal leaking storage tank lists
	4 ft. Lower Elevation	156 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Exists

UNK 12333 OLYMPIC BLVD, LOS ANGELES, CA, 90015			S101585767
◆ C13	SE <1/10	(24 ft. / 0.004 mi.)	Local Lists of Registered Storage Tanks
	4 ft. Lower Elevation	156 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

AGI PROPERTIES 12333 OLYMPIC, LOS ANGELES, CA, 90048			S104549300
◆ C14	SE <1/10	(55 ft. / 0.01 mi.)	State and tribal leaking storage tank lists
	4 ft. Lower Elevation	156 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Exists

12210 1/2 NEBRASKA AVENUE PROPERTY 12210 1/2 NEBRASKA AVENUE, LOS ANGELES, CA, 90025	S109548374

▲ B15	NNE <1/10	(75 ft. / 0.014 mi.)	State- and tribal - equivalent CERCLIS State and tribal voluntary cleanup sites
	7 ft. Higher Elevation	167 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Exists

TELEDYNE CONTROLS S B U OF T T INC 12333 W OLYMPIC BLVD, LOS ANGELES, CA, 90064-1021			1000201841
◆ 16	ESE <1/10	(210 ft. / 0.04 mi.)	Federal RCRA generators list Other Ascertainable Records
	2 ft. Lower Elevation	158 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

SANTA MONICA WELL FIELD OLYMPIC & CENTINELA BLVDS, SANTA MONICA, CA, 90404			1000395259
◆ 17	S <1/10	(300 ft. / 0.057 mi.)	Federal CERCLIS NFRAP site list
	4 ft. Lower Elevation	156 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

TELEFLORA 12233 W OLYMPIC BLVD, LOS ANGELES, CA, 90064			1000202288
◆ E18	ESE <1/10	(375 ft. / 0.071 mi.)	Federal RCRA generators list Other Ascertainable Records
	3 ft. Lower Elevation	157 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

GETTY AGRICULTURAL BUSINESS IN 12233 W OLYMPIC BLVD, LOS ANGELES, CA, 90064			1022102127
◆ E19	ESE <1/10	(375 ft. / 0.071 mi.)	EDR Exclusive Records
	3 ft. Lower Elevation	157 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

FOX TELEVISION STATIONS, INC. 1999 BUNDY DR, LOS ANGELES, CA, 90025			U004264400
◆ I20	E 1/10 - 1/3	(582 ft. / 0.11 mi.)	State and tribal registered storage tank lists
	1 ft. Lower Elevation	159 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

FOX TELEVISION STATIONS, INC. 1999 S BUNDY DR, LOS ANGELES, CA, 90025			U003781348
◆ I21	E 1/10 - 1/3	(582 ft. / 0.11 mi.)	State and tribal registered storage tank lists
	1 ft. Lower Elevation	159 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

CORNERSTONE PLAZA 1940 S BUNDY DR, LOS ANGELES, CA, 90025			S101588038
▲ J22	ENE 1/10 - 1/3	(659 ft. / 0.125 mi.)	Local Lists of Registered Storage Tanks
	2 ft. Higher Elevation	162 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

HUDSON ELEMENT LA 1901, 1925, 1933 S. BUNDY DR., LOS ANGELES, CA, 90048			S113804544
◆ I23	E 1/10 - 1/3	(662 ft. / 0.125 mi.)	State and tribal leaking storage tank lists
	2 ft. Lower Elevation	158 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Exists

CORNERSTONE PLAZA 1990 S BUNDY DRIVE, LOS ANGELES, CA, 90025			S101588249
▲ J24	ENE 1/10 - 1/3	(828 ft. / 0.157 mi.)	Local Lists of Registered Storage Tanks Other Ascertainable Records
	2 ft. Higher Elevation	162 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

WEST LOS ANGELES ANIMAL SHELTE 11950 MISSOURI AVE, LOS ANGELES, CA, 90025			U001561136
▲ V25	NE 1/10 - 1/3	(1136 ft. / 0.215 mi.)	Local Lists of Registered Storage Tanks
	10 ft. Higher Elevation	170 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

LA WEST LOS ANGELES ANIMAL SHELTER 11950 W MISSOURI AVE, WEST LOS ANGELES, CA, 90025			1000436734
▲ V26	NE 1/10 - 1/3	(1136 ft. / 0.215 mi.)	Federal RCRA generators list Other Ascertainable Records
	10 ft. Higher Elevation	170 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

WEST LOS ANGELES ANIMAL SHELTE 11950 MISSOURI AVE, LOS ANGELES, CA, 90025			S101617292
▲ V27	NE 1/10 - 1/3	(1136 ft. / 0.215 mi.)	Local Lists of Registered Storage Tanks
	10 ft. Higher Elevation	170 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
Federal NPL site list						
US	NPL	National Priority List	EPA	05/13/2018	05/30/2018	06/22/2018
US	Proposed NPL	Proposed National Priority List Sites	EPA	05/13/2018	05/30/2018	06/22/2018
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
Federal CERCLIS list						
US	SEMS	Superfund Enterprise Management System	EPA	05/18/2018	05/30/2018	06/22/2018
Federal RCRA CORRACTS facilities list						
US	CORRACTS	Corrective Action Report	EPA	03/01/2018	03/28/2018	06/22/2018
Federal RCRA TSD facilities list						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
Federal RCRA generators list						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
US	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
Federal institutional controls / engineering controls registries						
US	LUCIS	Land Use Control Information System	Department of the Navy	05/14/2018	05/18/2018	07/20/2018
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/13/2018	02/27/2018	05/11/2018
US	US INST CONTROL	Sites with Institutional Controls	Environmental Protection Agency	02/13/2018	02/27/2018	05/11/2018
Federal ERNS list						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	03/19/2018	03/27/2018	06/08/2018
State and tribal - equivalent NPL						
CA	RESPONSE	State Response Sites	Department of Toxic Substances Control	04/30/2018	05/02/2018	06/22/2018
State and tribal - equivalent CERCLIS						
CA	ENVIROSTOR	EnviroStor Database	Department of Toxic Substances Control	04/30/2018	05/02/2018	06/22/2018
State and tribal landfill / solid waste disposal						
CA	SWF/LF (SWIS)	Solid Waste Information System	Department of Resources Recycling and Recover	05/14/2018	05/16/2018	06/22/2018
State and tribal leaking storage tank lists						
CA	LUST REG 1	Active Toxic Site Investigation	California Regional Water Quality Control Boa	02/01/2001	02/28/2001	03/29/2001
CA	LUST REG 7	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	02/26/2004	02/26/2004	03/24/2004
CA	LUST REG 8	Leaking Underground Storage Tanks	California Regional Water Quality Control Boa	02/14/2005	02/15/2005	03/28/2005
CA	LUST REG 6V	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	06/07/2005	06/07/2005	06/29/2005
CA	LUST REG 6L	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	09/09/2003	09/10/2003	10/07/2003
CA	LUST REG 5	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	07/01/2008	07/22/2008	07/31/2008
CA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	06/11/2018	06/13/2018	07/17/2018

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	LUST REG 2	Fuel Leak List	California Regional Water Quality Control Boa	09/30/2004	10/20/2004	11/19/2004
CA	LUST REG 3	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	05/19/2003	05/19/2003	06/02/2003
CA	LUST REG 4	Underground Storage Tank Leak List	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	LUST REG 9	Leaking Underground Storage Tank Report	California Regional Water Quality Control Boa	03/01/2001	04/23/2001	05/21/2001
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	04/12/2018	05/18/2018	07/20/2018
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	04/10/2018	05/18/2018	07/20/2018
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	04/25/2018	05/18/2018	07/20/2018
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	04/24/2018	05/18/2018	07/20/2018
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	04/01/2018	05/18/2018	07/20/2018
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	05/08/2018	05/18/2018	07/20/2018
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/13/2018	05/18/2018	07/20/2018
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/12/2018	05/18/2018	07/20/2018
CA	CPS-SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	06/11/2018	06/13/2018	07/17/2018
CA	SLIC REG 1	Active Toxic Site Investigations	California Regional Water Quality Control Boa	04/03/2003	04/07/2003	04/25/2003
CA	SLIC REG 2	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board San Fran	09/30/2004	10/20/2004	11/19/2004
CA	SLIC REG 3	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	05/18/2006	05/18/2006	06/15/2006
CA	SLIC REG 4	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Region Water Quality Control Board Los Angele	11/17/2004	11/18/2004	01/04/2005
CA	SLIC REG 5	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board Central	04/01/2005	04/05/2005	04/21/2005
CA	SLIC REG 6V	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board, Victorv	05/24/2005	05/25/2005	06/16/2005
CA	SLIC REG 6L	SLIC Sites	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	SLIC REG 7	SLIC List	California Regional Quality Control Board, Co	11/24/2004	11/29/2004	01/04/2005
CA	SLIC REG 8	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Region Water Quality Control Board	04/03/2008	04/03/2008	04/14/2008
CA	SLIC REG 9	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	09/10/2007	09/11/2007	09/28/2007
State and tribal registered storage tank lists						
CA	UST	Active UST Facilities	SWRCB	06/11/2018	06/13/2018	07/09/2018
CA	MILITARY UST SITES	Military UST Sites (GEOTRACKER)	State Water Resources Control Board	06/11/2018	06/13/2018	07/18/2018
CA	UST CLOSURE	Proposed Closure of Underground Storage Tank (UST) Cases	State Water Resources Control Board	06/11/2018	06/13/2018	07/10/2018
CA	UST MENDOCINO	Mendocino County UST Database	Department of Public Health	03/28/2018	05/25/2018	07/10/2018
CA	AST	Aboveground Petroleum Storage Tank Facilities	California Environmental Protection Agency	07/06/2016	07/12/2016	09/19/2016
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	04/10/2018	05/18/2018	07/20/2018
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	04/25/2018	05/18/2018	07/20/2018
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	04/24/2018	05/18/2018	07/20/2018
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/01/2018	05/18/2018	07/20/2018
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	04/13/2018	05/18/2018	07/20/2018
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	05/08/2018	05/18/2018	07/20/2018
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/12/2018	05/18/2018	07/20/2018
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/12/2018	05/18/2018	07/20/2018
US	FEMA UST	Underground Storage Tank Listing	FEMA	05/15/2017	05/30/2017	10/13/2017

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
State and tribal voluntary cleanup sites						
CA	VCP	Voluntary Cleanup Program Properties	Department of Toxic Substances Control	04/30/2018	05/02/2018	06/22/2018
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
State and tribal Brownfields sites						
CA	BROWNFIELDS	Considered Brownfieds Sites Listing	State Water Resources Control Board	03/26/2018	03/27/2018	05/04/2018
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	03/31/2018	04/16/2018	06/29/2018
US	ROD	Records Of Decision	EPA	05/13/2018	05/30/2018	06/29/2018
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	05/13/2018	05/30/2018	06/29/2018
CA	HIST CAL-SITES	Calsites Database	Department of Toxic Substance Control	08/08/2005	08/03/2006	08/24/2006
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
CA	SWRCY	Recycler Database	Department of Conservation	03/12/2018	03/14/2018	05/04/2018
CA	CA FID UST	Facility Inventory Database	California Environmental Protection Agency	10/31/1994	09/05/1995	09/29/1995
CA	HIST UST	Hazardous Substance Storage Container Database	State Water Resources Control Board	10/15/1990	01/25/1991	02/12/1991
CA	SAN FRANCISCO AST	Aboveground Storage Tank Site Listing	San Francisco County Department of Public Hea	04/19/2018	04/24/2018	05/04/2018
CA	SWEEPS UST	SWEEPS UST Listing	State Water Resources Control Board	06/01/1994	07/07/2005	08/11/2005
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	03/01/2018	03/27/2018	06/22/2018
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2005	08/07/2009	10/22/2009
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	07/01/2014	09/10/2014	10/20/2014
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	05/13/2018	05/30/2018	06/29/2018
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	02/22/2018	03/01/2018	05/11/2018
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	12/23/2016	12/27/2016	02/17/2017
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	05/24/2017	11/30/2017	12/15/2017
US	Delisted NPL	National Priority List Deletions	EPA	05/13/2018	05/30/2018	06/22/2018
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	05/18/2018	05/30/2018	06/22/2018
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	03/26/2018	03/27/2018	06/08/2018
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	07/31/2012	08/07/2012	09/18/2012
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	02/22/2018	03/01/2018	05/11/2018
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	03/19/2018	03/21/2018	06/08/2018
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	12/31/2005	02/06/2006	01/11/2007
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/31/2015	07/08/2015	10/13/2015
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	06/23/2017	10/11/2017	11/03/2017
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	05/03/2018	05/31/2018	06/29/2018
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	12/05/2005	02/29/2008	04/18/2008

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	10/25/2013	10/17/2014	10/20/2014
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2016	01/10/2018	01/12/2018
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/21/2017	01/05/2018
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	12/31/2009	12/10/2010	02/25/2011
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	06/01/2017	06/09/2017	10/13/2017
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	08/30/2016	09/08/2016	10/21/2016
US	RADINFO	Radiation Information Database	Environmental Protection Agency	04/03/2018	04/05/2018	06/29/2018
US	FINDS	Facility Index System/Facility Registry System	EPA	02/21/2018	02/23/2018	03/23/2018
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	11/02/2017	11/17/2017	12/08/2017
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2015	02/22/2017	09/28/2017
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
CA	CA BOND EXP. PLAN	Bond Expenditure Plan	Department of Health Services	01/01/1989	07/27/1994	08/02/1994
CA	CDL	Clandestine Drug Labs	Department of Toxic Substances Control	06/30/2017	08/18/2017	09/21/2017
CA	CHMIRS	California Hazardous Material Incident Report System	Office of Emergency Services	04/06/2018	04/24/2018	06/14/2018
CA	CORTESE	"Cortese" Hazardous Waste & Substances Sites List	CAL EPA/Office of Emergency Information	03/26/2018	03/27/2018	05/04/2018
CA	CUPA LIVERMORE-PLEASANTON	CUPA Facility Listing	Livermore-Pleasanton Fire Department	04/03/2018	05/07/2018	06/15/2018
CA	CUPA SAN FRANCISCO CO	CUPA SAN FRANCISCO CO	San Francisco County Department of Environmen	04/20/2018	04/24/2018	05/04/2018
CA	DEED	Deed Restriction Listing	DTSC and SWRCB	06/04/2018	06/06/2018	07/17/2018
CA	DRYCLEAN AVAQMD	DRYCLEAN AVAQMD	Antelope Valley Air Quality Management Distri	03/08/2018	03/13/2018	05/04/2018
CA	DRYCLEANERS	Cleaner Facilities	Department of Toxic Substance Control	03/27/2018	03/29/2018	05/04/2018
CA	DRYCLEAN SOUTH COAST	DRYCLEAN SOUTH COAST	South Coast Air Quality Management District	03/16/2018	03/20/2018	05/04/2018
CA	EMI	Emissions Inventory Data	California Air Resources Board	12/31/2015	03/21/2017	08/15/2017
CA	ENF	Enforcement Action Listing	State Water Resoruces Control Board	04/18/2018	04/24/2018	07/06/2018
CA	Financial Assurance 1	Financial Assurance Information Listing	Department of Toxic Substances Control	04/18/2018	04/20/2018	06/19/2018
CA	Financial Assurance 2	Financial Assurance Information Listing	California Integrated Waste Management Board	05/14/2018	05/15/2018	06/22/2018
CA	HAULERS	Registered Waste Tire Haulers Listing	Integrated Waste Management Board	05/29/2018	05/30/2018	07/17/2018
CA	HAZNET	Facility and Manifest Data	California Environmental Protection Agency	12/31/2016	07/12/2017	10/17/2017
CA	HIST CORTESE	Hazardous Waste & Substance Site List	Department of Toxic Substances Control	04/01/2001	01/22/2009	04/08/2009
CA	HWP	EnviroStor Permitted Facilities Listing	Department of Toxic Substances Control	05/21/2018	05/23/2018	07/17/2018
CA	HWT	Registered Hazardous Waste Transporter Database	Department of Toxic Substances Control	04/09/2018	04/11/2018	06/19/2018
CA	ICE	ICE	Department of Toxic Subsances Control	05/21/2018	05/23/2018	07/17/2018
CA	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Qualilty Control Board	06/11/2018	06/13/2018	07/17/2018
CA	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	05/31/2018	06/05/2018	07/18/2018
CA	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	06/11/2018	06/13/2018	07/17/2018
CA	MINES	Mines Site Location Listing	Department of Conservation	03/12/2018	03/14/2018	05/04/2018
CA	MWMP	Medical Waste Management Program Listing	Department of Public Health	05/23/2018	06/06/2018	07/18/2018
CA	NPDES	NPDES Permits Listing	State Water Resources Control Board	05/14/2018	05/16/2018	07/05/2018
CA	PEST LIC	Pesticide Regulation Licenses Listing	Department of Pesticide Regulation	06/04/2018	06/06/2018	07/19/2018

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	PROC	Certified Processors Database	Department of Conservation	03/12/2018	03/14/2018	05/04/2018
CA	NOTIFY 65	Proposition 65 Records	State Water Resources Control Board	03/23/2018	03/27/2018	05/04/2018
CA	SCH	School Property Evaluation Program	Department of Toxic Substances Control	04/30/2018	05/02/2018	06/22/2018
CA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/06/2012	01/03/2013	02/22/2013
CA	TOXIC PITS	Toxic Pits Cleanup Act Sites	State Water Resources Control Board	07/01/1995	08/30/1995	09/26/1995
CA	UIC	UIC Listing	Deaprtment of Conservation	04/27/2018	06/13/2018	07/17/2018
CA	WASTEWATER PITS	Oil Wastewater Pits Listing	RWQCB, Central Valley Region	04/10/2018	04/13/2018	06/19/2018
CA	WDS	Waste Discharge System	State Water Resources Control Board	06/19/2007	06/20/2007	06/29/2007
CA	WIP	Well Investigation Program Case List	Los Angeles Water Quality Control Board	07/03/2009	07/21/2009	08/03/2009
CA	WMUDS/SWAT	Waste Management Unit Database	State Water Resources Control Board	04/01/2000	04/10/2000	05/10/2000
CA	CIWQS	California Integrated Water Quality System	State Water Resources Control Board	06/04/2018	06/06/2018	07/13/2018
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	02/25/2018	03/17/2018	06/08/2018
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/20/2018	02/21/2018	03/23/2018
CA	WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)	State Water Resources Control Board	06/11/2018	06/13/2018	07/18/2018
CA	CERS HAZ WASTE	CERS HAZ WASTE	CalEPA	04/23/2018	04/24/2018	06/07/2018
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
CA	PROD WATER PONDS	Produced Water Ponds Sites (GEOTRACKER)	State Water Resources Control Board	06/11/2018	06/13/2018	07/18/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	03/08/2018	03/13/2018	06/08/2018
CA	SAMPLING POINT	Sampling Point ? Public Sites (GEOTRACKER)	State Water Resources Control Board	06/11/2018	06/13/2018	07/18/2018
CA	PROJECT	Project Sites (GEOTRACKER)	State Water Resources Control Board	06/11/2018	06/13/2018	07/18/2018
CA	CERS TANKS	California Environmental Reporting System (CERS) Tanks	California Environmental Protection Agency	04/23/2018	04/24/2018	06/07/2018
CA	MILITARY PRIV SITES	Military Privatized Sites (GEOTRACKER)	State Water Resources Control Board	06/11/2018	06/13/2018	07/18/2018
CA	CERS	CalEPA Regulated Site Portal Data	California Environmental Protection Agency	04/23/2018	04/24/2018	06/07/2018
US	UXO	Unexploded Ordnance Sites	Department of Defense	09/30/2016	10/31/2017	01/12/2018
CA	NON-CASE INFO	Non-Case Information Sites (GEOTRACKER)	State Water Resources Control Board	06/11/2018	06/13/2018	07/18/2018
CA	OTHER OIL GAS	Other Oil & Gas Projects Sites (GEOTRACKER)	State Water Resources Control Board	06/11/2018	06/13/2018	07/18/2018
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	01/04/2018	01/19/2018	04/13/2018
CA	UIC GEO	Underground Injection Control Sites (GEOTRACKER)	State Water Resource Control Board	06/11/2018	06/13/2018	07/18/2018
HISTORICAL USE RECORDS						
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
CA	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Resources Recycling and Recover		07/01/2013	01/13/2014
CA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	State Water Resources Control Board		07/01/2013	12/30/2013

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
COUNTY RECORDS						
CA	CS ALAMEDA	Contaminated Sites	Alameda County Environmental Health Services	04/05/2018	04/10/2018	06/14/2018
CA	UST ALAMEDA	Underground Tanks	Alameda County Environmental Health Services	04/05/2018	04/10/2018	05/04/2018
CA	CUPA AMADOR	CUPA Facility List	Amador County Environmental Health	03/31/2018	04/05/2018	06/14/2018
CA	CUPA BUTTE	CUPA Facility Listing	Public Health Department	04/21/2017	04/25/2017	08/09/2017
CA	CUPA CALVERAS	CUPA Facility Listing	Calveras County Environmental Health	05/07/2018	05/09/2018	06/14/2018
CA	CUPA COLUSA	CUPA Facility List	Health & Human Services	05/23/2018	05/24/2018	07/13/2018
CA	SL CONTRA COSTA	Site List	Contra Costa Health Services Department	05/21/2018	05/25/2018	07/20/2018
CA	CUPA DEL NORTE	CUPA Facility List	Del Norte County Environmental Health Divisio	04/27/2018	05/02/2018	06/15/2018
CA	CUPA EL DORADO	CUPA Facility List	El Dorado County Environmental Management Dep	03/05/2018	03/08/2018	04/16/2018
CA	CUPA FRESNO	CUPA Resources List	Dept. of Community Health	03/01/2018	03/05/2018	03/14/2018
CA	CUPA GLENN	CUPA Facility List	Glenn County Air Pollution Control District	01/22/2018	01/24/2018	03/14/2018
CA	CUPA HUMBOLDT	CUPA Facility List	Humboldt County Environmental Health	03/05/2018	03/08/2018	04/30/2018
CA	CUPA IMPERIAL	CUPA Facility List	San Diego Border Field Office	04/23/2018	04/25/2018	06/14/2018
CA	CUPA INYO	CUPA Facility List	Inyo County Environmental Health Services	04/02/2018	04/03/2018	06/14/2018
CA	UST KERN	Underground Storage Tank Sites & Tank Listing	Kern County Environment Health Services Depar	05/02/2018	05/07/2018	07/18/2018
CA	CUPA KINGS	CUPA Facility List	Kings County Department of Public Health	06/12/2018	06/15/2018	07/13/2018
CA	CUPA LAKE	CUPA Facility List	Lake County Environmental Health	05/09/2018	05/11/2018	06/14/2018
CA	CUPA LASSEN	CUPA Facility List	Lassen County Environmental Health	01/22/2018	01/24/2018	03/14/2018
CA	AOCONCERN	San Gabriel Valley Areas of Concern	EPA Region 9	03/30/2009	03/31/2009	10/23/2009
CA	HMS LOS ANGELES	HMS: Street Number List	Department of Public Works	04/12/2018	04/16/2018	06/15/2018
CA	LF LOS ANGELES	List of Solid Waste Facilities	La County Department of Public Works	04/16/2018	04/17/2018	06/19/2018
CA	LF LOS ANGELES CITY	City of Los Angeles Landfills	Engineering & Construction Division	01/01/2018	05/01/2018	05/14/2018
CA	SITE MIT LOS ANGELES	Site Mitigation List	Community Health Services	04/01/2018	04/17/2018	06/19/2018
CA	UST EL SEGUNDO	City of El Segundo Underground Storage Tank	City of El Segundo Fire Department	01/21/2017	04/19/2017	05/10/2017
CA	UST LONG BEACH	City of Long Beach Underground Storage Tank	City of Long Beach Fire Department	03/09/2017	03/10/2017	05/03/2017
CA	UST TORRANCE	City of Torrance Underground Storage Tank	City of Torrance Fire Department	01/04/2018	01/05/2018	01/18/2018
CA	CUPA MADERA	CUPA Facility List	Madera County Environmental Health	05/22/2018	05/24/2018	07/31/2018
CA	UST MARIN	Underground Storage Tank Sites	Public Works Department Waste Management	03/30/2018	04/06/2018	05/04/2018
CA	CUPA MERCED	CUPA Facility List	Merced County Environmental Health	05/30/2018	06/01/2018	07/13/2018
CA	CUPA MONO	CUPA Facility List	Mono County Health Department	05/22/2018	05/24/2018	07/13/2018
CA	CUPA MONTEREY	CUPA Facility Listing	Monterey County Health Department	06/13/2018	06/19/2018	07/20/2018
CA	LUST NAPA	Sites With Reported Contamination	Napa County Department of Environmental Manag	01/09/2017	01/11/2017	03/02/2017
CA	UST NAPA	Closed and Operating Underground Storage Tank Sites	Napa County Department of Environmental Manag	05/23/2018	05/31/2018	07/11/2018
CA	CUPA NEVADA	CUPA Facility List	Community Development Agency	04/24/2018	05/01/2018	06/15/2018
CA	IND_SITE ORANGE	List of Industrial Site Cleanups	Health Care Agency	04/02/2018	05/11/2018	06/22/2018
CA	LUST ORANGE	List of Underground Storage Tank Cleanups	Health Care Agency	04/02/2018	05/11/2018	06/25/2018
CA	UST ORANGE	List of Underground Storage Tank Facilities	Health Care Agency	04/02/2018	05/08/2018	07/10/2018
CA	MS PLACER	Master List of Facilities	Placer County Health and Human Services	05/31/2018	06/05/2018	07/18/2018
CA	CUPA PLUMAS	CUPA Facility List	Plumas County Environmental Health	01/22/2018	01/24/2018	03/15/2018
CA	LUST RIVERSIDE	Listing of Underground Tank Cleanup Sites	Department of Environmental Health	04/05/2018	04/10/2018	05/04/2018
CA	UST RIVERSIDE	Underground Storage Tank Tank List	Department of Environmental Health	04/05/2018	04/10/2018	05/04/2018
CA	CS SACRAMENTO	Toxic Site Clean-Up List	Sacramento County Environmental Management	02/02/2018	04/04/2018	06/14/2018
CA	ML SACRAMENTO	Master Hazardous Materials Facility List	Sacramento County Environmental Management	02/02/2018	04/04/2018	06/19/2018
CA	CUPA SAN BENITO	CUPA Facility List	San Benito County Environmental Health	05/16/2018	05/22/2018	07/13/2018
CA	PERMITS SAN BERNARDINO	Hazardous Material Permits	San Bernardino County Fire Department Hazardo	04/09/2018	04/11/2018	06/19/2018

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	HMMD SAN DIEGO	Hazardous Materials Management Division Database	Hazardous Materials Management Division	06/04/2018	06/06/2018	07/17/2018
CA	LF SAN DIEGO	Solid Waste Facilities	Department of Health Services	04/18/2018	04/24/2018	06/19/2018
CA	SAN DIEGO CO LOP	Local Oversight Program Listing	Department of Environmental Health	04/18/2018	04/23/2018	05/04/2018
CA	SAN DIEGO CO. SAM	Environmental Case Listing	San Diego County Department of Environmental	03/23/2010	06/15/2010	07/09/2010
CA	LUST SAN FRANCISCO	Local Oversite Facilities	Department Of Public Health San Francisco Cou	09/19/2008	09/19/2008	09/29/2008
CA	UST SAN FRANCISCO	Underground Storage Tank Information	Department of Public Health	06/07/2018	06/12/2018	07/10/2018
CA	UST SAN JOAQUIN	San Joaquin Co. UST	Environmental Health Department	06/22/2018	06/26/2018	07/11/2018
CA	CUPA SAN LUIS OBISPO	CUPA Facility List	San Luis Obispo County Public Health Departme	05/16/2018	05/22/2018	07/17/2018
CA	BI SAN MATEO	Business Inventory	San Mateo County Environmental Health Service	03/14/2018	03/20/2018	05/04/2018
CA	LUST SAN MATEO	Fuel Leak List	San Mateo County Environmental Health Service	03/15/2018	03/20/2018	05/04/2018
CA	CUPA SANTA BARBARA	CUPA Facility Listing	Santa Barbara County Public Health Department	09/08/2011	09/09/2011	10/07/2011
CA	CUPA SANTA CLARA	Cupa Facility List	Department of Environmental Health	05/16/2018	05/23/2018	07/17/2018
CA	HIST LUST SANTA CLARA	HIST LUST - Fuel Leak Site Activity Report	Santa Clara Valley Water District	03/29/2005	03/30/2005	04/21/2005
CA	LUST SANTA CLARA	LOP Listing	Department of Environmental Health	03/03/2014	03/05/2014	03/18/2014
CA	SAN JOSE HAZMAT	Hazardous Material Facilities	City of San Jose Fire Department	05/16/2018	05/22/2018	07/19/2018
CA	CUPA SANTA CRUZ	CUPA Facility List	Santa Cruz County Environmental Health	01/21/2017	02/22/2017	05/23/2017
CA	CUPA SHASTA	CUPA Facility List	Shasta County Department of Resource Manageme	06/15/2017	06/19/2017	08/09/2017
CA	LUST SOLANO	Leaking Underground Storage Tanks	Solano County Department of Environmental Man	06/04/2018	06/08/2018	07/18/2018
CA	UST SOLANO	Underground Storage Tanks	Solano County Department of Environmental Man	06/04/2018	06/12/2018	07/12/2018
CA	CUPA SONOMA	Cupa Facility List	County of Sonoma Fire & Emergency Services De	06/19/2018	06/26/2018	07/17/2018
CA	LUST SONOMA	Leaking Underground Storage Tank Sites	Department of Health Services	04/03/2018	04/06/2018	05/09/2018
CA	CUPA STANISLAUS	CUPA Facility List	Stanislaus County Department of Ennvironmenta	05/08/2018	05/11/2018	06/15/2018
CA	UST SUTTER	Underground Storage Tanks	Sutter County Department of Agriculture	06/04/2018	06/08/2018	07/11/2018
CA	CUPA TEHAMA	CUPA Facility List	Tehama County Department of Environmental Hea	01/26/2018	02/02/2018	03/21/2018
CA	CUPA TRINITY	CUPA Facility List	Department of Toxic Substances Control	04/23/2018	04/25/2018	06/15/2018
CA	CUPA TULARE	CUPA Facility List	Tulare County Environmental Health Services D	03/19/2018	03/22/2018	04/17/2018
CA	CUPA TUOLUMNE	CUPA Facility List	Divison of Environmental Health	04/23/2018	04/25/2018	06/25/2018
CA	BWT VENTURA	Business Plan, Hazardous Waste Producers, and Operating Unde	Ventura County Environmental Health Division	03/26/2018	04/25/2018	06/22/2018
CA	LF VENTURA	Inventory of Illegal Abandoned and Inactive Sites	Environmental Health Division	12/01/2011	12/01/2011	01/19/2012
CA	LUST VENTURA	Listing of Underground Tank Cleanup Sites	Environmental Health Division	05/29/2008	06/24/2008	07/31/2008
CA	MED WASTE VENTURA	Medical Waste Program List	Ventura County Resource Management Agency	03/26/2018	04/25/2018	06/25/2018
CA	UST VENTURA	Underground Tank Closed Sites List	Environmental Health Division	04/26/2018	06/13/2018	07/11/2018
CA	UST YOLO	Underground Storage Tank Comprehensive Facility Report	Yolo County Department of Health	06/20/2018	07/03/2018	07/12/2018
CA	CUPA YUBA	CUPA Facility List	Yuba County Environmental Health Department	05/10/2018	05/15/2018	06/15/2018

STREET AND ADDRESS INFORMATION

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APPENDIX J

Regulatory Database Search Report

LADWP
12300 Nebraska Avenue
Los Angeles, CA 90025

Inquiry Number: 5411218.2s
August 31, 2018

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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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

12300 NEBRASKA AVENUE
LOS ANGELES, CA 90025

COORDINATES

Latitude (North):	34.0339370 - 34˚ 2' 2.17''
Longitude (West):	118.4592190 - 118˚ 27' 33.18''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	365289.4
UTM Y (Meters):	3766684.5
Elevation:	162 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5630733 BEVERLY HILLS, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
12300 NEBRASKA AVENUE
LOS ANGELES, CA 90025

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	WEST LA SERVICE CENT	12300 NEBRASKA AVENU	FINDS, ECHO		TP
A2	WEST LA SERVICE CENT	12300 NEBRASKA AVENU	RCRA-LQG		TP
A3	L A DWP/WEST LA DIST	12300 NEBRASKA AVE	HAZNET		TP
A4	WEST LOS ANGELES SER	12300 NEBRASKA AVE	FINDS		TP
A5	W LOS ANGELES DISTRI	12300 NEBRASKA AVE	SWEEPS UST, CA FID UST		TP
A6	WEST LOS ANGELES SER	12300 NEBRASKA AVE	AST		TP
A7	LA DEPARTMENT WATER	12300 NEBRASKA AVE	FINDS		TP
A8	LA DEPARTMENT WATER	12300 NEBRASKA AVE	HAZNET		TP
B9	PLASKON ELECTRONIC M	12270 NEBRASKA AVE	SWEEPS UST, HIST UST, CA FID UST, RCRA NonGen /...	Higher	1 ft.
B10	PLASKON ELECTRONIC,	12270 NEBRASKA AVE.	FINDS, ECHO	Higher	1 ft.
C11	UNK	12333 OLYMPIC BLVD	SWEEPS UST, CA FID UST	Lower	38, 0.007, SSE
C12	HUDSON ELEMENT LA	12333 WEST OLYMPIC B	CPS-SLIC	Lower	38, 0.007, SSE
C13	AGI PROPERTIES	12333 OLYMPIC	CPS-SLIC	Lower	70, 0.013, SSE
B14	12210 1/2 NEBRASKA A	12210 1/2 NEBRASKA A	ENVIROSTOR, VCP	Higher	73, 0.014, NNE
D15	DEPARTMENT OF WATER	1840 CENTINELA AVE	CA FID UST, EMI, NPDES, CIWQS	Lower	78, 0.015, SSW
D16	RECEIVING STATION K	1840 S CENTINELA AVE	AST	Lower	78, 0.015, SSW
C17	GLASER TRUST/WERNER	12401 OLYMPIC BLVD	SWEEPS UST, CA FID UST	Lower	113, 0.021, SSE
D18	MEDICAL CHEMICAL COR	1909 CENTINELA AVE	SWEEPS UST, HIST UST, CA FID UST	Lower	147, 0.028, SSW
D19	BOEING CO.	1909 CENTINELA	CPS-SLIC	Lower	147, 0.028, SSW
20	TELEDYNE CONTROLS S	12333 W OLYMPIC BLVD	RCRA-SQG, EMI	Lower	209, 0.040, SE
C21	HORNBURG JAQUAA, INC	3300 OLYMPIC BLVD	SWEEPS UST, CA FID UST	Lower	290, 0.055, SSE
C22	HORNBURG JAGUAR	3300 OLYMPIC BLVD	AST	Lower	290, 0.055, SSE
E23	SANTA MONICA WELL FI	OLYMPIC & CENTINELA	SEMS-ARCHIVE	Lower	301, 0.057, South
E24	SHAIHOE WONG	3266 OLYMPIC BLVD	EDR Hist Cleaner	Lower	318, 0.060, South
F25	MATHEW MAY PROPERTY	12312 OLYMPIC BLVD W	LUST, CPS-SLIC	Lower	319, 0.060, SE
F26	MATHEW MAY PROPERTY	12312 OLYMPIC	CPS-SLIC, HIST CORTESE	Lower	319, 0.060, SE
F27	RIOT GAMES INC.	12312 W OLYMPIC BLVD	AST	Lower	319, 0.060, SE
F28	SOUTHWEST LEASING	12312 W OLYMPIC BLVD	SWEEPS UST, CA FID UST	Lower	319, 0.060, SE
F29	COMMERCIAL DEVELOPME	12312 WEST OLYMPIC B	CPS-SLIC	Lower	319, 0.060, SE
E30	THOMPSON J V	3278 OLYMPIC BLVD	EDR Hist Cleaner	Lower	328, 0.062, South
G31	TELEFLORA	12233 W OLYMPIC BLVD	RCRA-SQG, FINDS, ECHO	Lower	379, 0.072, ESE
G32	GETTY AGRICULTURAL B	12233 W OLYMPIC BLVD	EDR Hist Auto	Lower	379, 0.072, ESE
H33	BAY DISTRICT PAVING	1955 CENTINELA AVE	RCRA-SQG, HIST UST, EMI, HAZNET, NPDES, CIWQS	Lower	410, 0.078, SSE
H34	LACMTA DIVISION 14	1955 CENTINELA AVE	RCRA-LQG, FINDS, ECHO	Lower	410, 0.078, SSE
H35	BAY DISTRICT PAVING	1955 CENTINELA AVE	RCRA-SQG, FINDS, ECHO	Lower	410, 0.078, SSE
H36	METRO OPERATIONS AND	1955 CENTINELA AVE	AST	Lower	410, 0.078, SSE
E37	AMBROSE COMPANY	3200 OLYMPIC	LUST, HIST CORTESE	Lower	464, 0.088, South
E38	KENTUCKY BRANDS OF C	3200 OLYMPIC BLVD	HIST UST	Lower	464, 0.088, South
I39	KENDALL HAROLD H	3154 OLYMPIC BLVD	EDR Hist Auto	Lower	496, 0.094, SSW

MAPPED SITES SUMMARY

Target Property Address:
12300 NEBRASKA AVENUE
LOS ANGELES, CA 90025

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
I40	HORNBURG SANTA MONIC	3300 OLYMPIC BLVD	AST	Lower	526, 0.100, SSW
I41	HORNBURG JAGUAR	3300 OLYMPIC BLVD	RCRA-SQG, UST, FINDS, ECHO	Lower	526, 0.100, SSW
I42	PROPOSED HERB ALPERT	3131 OLYMPIC BOULEVA	ENVIROSTOR, SCH, DEED	Lower	526, 0.100, SSW
J43	BENSON LEHNER CORP.	1860 FRANKLIN ST.	SEMS-ARCHIVE	Lower	533, 0.101, SW
K44	FOX TELEVISION STATI	1999 S BUNDY DR	UST	Lower	582, 0.110, East
K45	FOX TELEVISION STATI	1999 BUNDY DR	UST	Lower	582, 0.110, East
J46	MARSHALL ENGINEERING	1822-1836 FRANKLIN S	SEMS-ARCHIVE	Lower	616, 0.117, SW
L47	CORNERSTONE PLAZA	1940 S BUNDY DR	SWEEPS UST, CA FID UST	Higher	662, 0.125, ENE
K48	HUDSON ELEMENT LA	1901, 1925, 1933 S.	CPS-SLIC	Lower	669, 0.127, ESE
M49	Q-TECH CORP	2201 CARMELINA AVE	RCRA NonGen / NLR, FINDS, ECHO	Lower	691, 0.131, SE
J50	PIONEER MAGNETICS IN	3122 NEBRASKA ST	RCRA-SQG, ENVIROSTOR, FINDS, ECHO, HAZNET	Lower	743, 0.141, WSW
J51	PIONEER MAGNETICS	3122 NEBRASKA AVE	CERS HAZ WASTE, CERS	Lower	743, 0.141, WSW
J52	PLASTIGLADE MFG. COR	3122 NEBRASKA AVE.	SEMS-ARCHIVE	Lower	743, 0.141, WSW
N53	MARTIN CADILLAC COMP	12101 W OLYMPIC BLVD	UST, SWEEPS UST	Lower	753, 0.143, ESE
N54	MARTIN CADILLAC COMP	12101 WEST OLYMPIC B	HIST UST	Lower	753, 0.143, ESE
N55	MARTIN CADILLAC CO I	12101 W OLYMPIC BLVD	RCRA-SQG, HIST UST, CA FID UST, HAZNET	Lower	753, 0.143, ESE
N56	MARTIN CADILLAC	12101 W OLYMPIC BLVD	AST	Lower	753, 0.143, ESE
O57	LANTANA SOUTH LLC-MA	3301 EXPOSITION BLVD	LUST	Lower	764, 0.145, South
O58	LANTANA SOUTH D/MAGU	3301 EXPOSITION BOUL	RCRA-CESQG	Lower	764, 0.145, South
M59	BARCO AVIATION, INC	12322 EXPOSITION BLV	SWEEPS UST, CA FID UST	Lower	780, 0.148, SE
L60	CORNERSTONE PLAZA	1990 S BUNDY DRIVE	SWEEPS UST, CA FID UST, HAZNET	Higher	832, 0.158, East
P61	WESTCOAST WOOD WORKI	1816 BERKELEY ST.	SEMS-ARCHIVE	Lower	863, 0.163, SW
Q62	HIGHLAND ENGINEERING	1942 BERKEKLEY AVE.	ENVIROSTOR	Lower	961, 0.182, WSW
P63	JOHN DRESCHER PROPER	1815 STANFORD	LUST, HIST CORTESE	Lower	962, 0.182, SW
Q64	H. BEHLEN & BROS. (P	1755 BERKELEY STREET	ENVIROSTOR	Lower	990, 0.188, WSW
Q65	H. BEHLEN & BROS.	1755 BERKELEY AVE.	SEMS-ARCHIVE	Lower	990, 0.188, WSW
66	ROTOFLOW CORPORATION	2235 S CARMELINA AVE	RCRA-SQG, FINDS, ECHO	Lower	1017, 0.193, SE
R67	BUNDY CLEANERS, INC	2139 S BUNDY DR	DRYCLEANERS	Lower	1048, 0.198, ESE
R68	BUNDY CLEANERS INC	2139 S BUNDY DR	UST, SWEEPS UST	Lower	1048, 0.198, ESE
R69	BUNDY CLEANERS INC	2139 S BUNDY DR	HIST UST, CA FID UST, DRYCLEANERS, EMI	Lower	1048, 0.198, ESE
R70	BUDY CLEANERS	2139 S BUNDY DR	HIST UST	Lower	1048, 0.198, ESE
S71	POLEY SERVICE CTR	2050 BUNDY DR	RCRA-SQG, FINDS, ECHO	Lower	1079, 0.204, ESE
S72	ROLEX AUTHORIZED SER	2050 BUNDY DR STE 29	RCRA-SQG, FINDS, ECHO	Lower	1079, 0.204, ESE
73	UNILAB WEST L A STAT	11915 LA GRANGE AVE	RCRA-SQG	Higher	1091, 0.207, East
T74	KIPER LASCU	3000 W OLYMPIC BLVD	RCRA-SQG, HAZNET	Lower	1102, 0.209, SW
T75	DIGITAL MAGIC CO	3000 W OLYMPIC BLVD	RCRA-SQG, FINDS, ECHO, HAZNET	Lower	1102, 0.209, SW
T76	SYSTEM DEVELOPMENT C	3000 OLYMPIC BLVD	RCRA-SQG, FINDS, ECHO	Lower	1102, 0.209, SW
Q77	F. A. NUGIER CO.	1758 BERKELEY AVE.	ENVIROSTOR	Lower	1102, 0.209, WSW
Q78	T.H. NUGIER CO. / CA	1758 BERKELEY AVE.	SEMS-ARCHIVE	Lower	1102, 0.209, WSW

MAPPED SITES SUMMARY

Target Property Address:
12300 NEBRASKA AVENUE
LOS ANGELES, CA 90025

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
U79	DOUGLAS AIRCRAFT PLT		ENVIROSTOR	Lower	1112, 0.211, SSW
V80	WEST LOS ANGELES ANI	11950 MISSOURI AVE	SWEEPS UST, HIST UST, CA FID UST	Higher	1135, 0.215, NE
V81	LA WEST LOS ANGELES	11950 W MISSOURI AVE	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	1135, 0.215, NE
V82	WEST LOS ANGELES ANI	11950 MISSOURI AVE	HIST UST	Higher	1135, 0.215, NE
Q83	W.C. PRODUCTS INC.	1748 BERKELEY AVE.	SEMS-ARCHIVE	Lower	1136, 0.215, WSW
R84	UNION OIL SERVICE ST	12100 WEST OLYMPIC B	HIST UST	Lower	1147, 0.217, ESE
R85	MOBIL #18-G8L	12100 OLYMPIC	HIST CORTESE	Lower	1147, 0.217, ESE
R86	UNION SERVICE STATIO	12100 W OLYMPIC BLVD	SWEEPS UST, HIST UST, CA FID UST	Lower	1147, 0.217, ESE
R87	UNION OIL SERVICE ST	12100 W OLYMPIC BLVD	HIST UST	Lower	1147, 0.217, ESE
R88	76 PRODUCTS STATION	12100 OLYMPIC	HIST CORTESE	Lower	1147, 0.217, ESE
R89	76 PRODUCTS STATION	12100 OLYMPIC BLVD W	LUST	Lower	1147, 0.217, ESE
R90	TOSCO CORPORATION #3	12100 W OLYMPIC BLVD	UST	Lower	1147, 0.217, ESE
R91	SERVICE STATION 3019	12100 W OLYMPIC BLVD	HIST UST	Lower	1147, 0.217, ESE
Q92	EDSAL PRODUCTS	1746 BERKELEY AVE.	SEMS-ARCHIVE	Lower	1160, 0.220, WSW
W93	AIR TOOL ENGINEERING	3021 NEBRASKA AVE.	SEMS-ARCHIVE	Lower	1190, 0.225, WSW
W94	C.F. CLOVINGER	3021 NEBRASKA AVE.	SEMS-ARCHIVE	Lower	1190, 0.225, WSW
W95	C.F. CLOVINGER	3021 NEBRASKA AVENUE	ENVIROSTOR	Lower	1190, 0.225, WSW
W96	J.H. THOMPSON/EVAN T	3019 NEBRASKA AVE.	SEMS-ARCHIVE	Lower	1193, 0.226, WSW
W97	HARRIS ENG CO.	3017 NEBRASKA AVE.	SEMS-ARCHIVE	Lower	1196, 0.227, WSW
W98	CARSON MANUFACTURING	3015 NEBRASKA AVENUE	ENVIROSTOR	Lower	1199, 0.227, WSW
W99	CARSON MFG. CO.	3015 NEBRASKA AVE.	SEMS-ARCHIVE	Lower	1199, 0.227, WSW
W100	SWISSOMATIC PRODUCTS	1818 STANDFORD AVE.	SEMS-ARCHIVE	Lower	1212, 0.230, SW
W101	REYNOLDS METAL WORKS	1816 STANFORD ST.	SEMS-ARCHIVE	Lower	1212, 0.230, SW
W102	SANTA MONICA MOLD SH	1812-1814 STANFORD A	SEMS-ARCHIVE	Lower	1212, 0.230, SW
Q103	W.S. RHOADES PLASTIC	1740 BERKELEY AVE.	SEMS-ARCHIVE	Lower	1233, 0.234, WSW
X104	RAINBOR RECORDS - SA	1728 BERKELEY ST.	RCRA-SQG, LA Co. Site Mitigation	Higher	1272, 0.241, WSW
U105	SANTA MONICA	2943 EXPOSITION BLVD	HIST UST	Lower	1282, 0.243, SSW
U106	GENERAL TELEPHONE CO	2943 EXPOSITION BLVD	SWEEPS UST, CA FID UST	Lower	1282, 0.243, SSW
U107	SANTA MONICA	2943 EXPOSITION BLVD	HIST UST, CHMIRS	Lower	1282, 0.243, SSW
U108	GTE PLANT YARD	2943 EXPOSITION BL	LUST, HIST CORTESE	Lower	1282, 0.243, SSW
X109	DELTA GRAPHICS	1715 BERKELEY ST	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	1293, 0.245, WSW
S110	90944	11951 W OLYMPIC BLVD	HIST UST	Lower	1308, 0.248, ESE
S111	LOVCO WEST INC	11951 W OLYMPIC BLVD	SWEEPS UST, CA FID UST	Lower	1308, 0.248, ESE
S112	CHEVRON STATION #9-0	11951 W OLYMPIC BLVD	UST	Lower	1308, 0.248, ESE
S113	CHEVRON STATION 9094	11951 W OLYMPIC BLVD	RCRA NonGen / NLR, HAZNET	Lower	1308, 0.248, ESE
S114	CHEVRON STATION 9 09	11951 W OLYMPIC BLVD	RCRA-SQG, LUST, FINDS, ECHO, HAZNET, HIST CORTESE	Lower	1308, 0.248, ESE
W115	PIPCO INT'L CORP.	1757 STANFORD AVE.	SEMS-ARCHIVE	Lower	1341, 0.254, WSW
W116	BOISON-DALE	2932 NEBRASKA AVE.	SEMS-ARCHIVE	Lower	1360, 0.258, SW
W117	BAL-TAC ELECTRONICS,	2944 NEBRASKA AVE.	SEMS-ARCHIVE	Lower	1360, 0.258, SW

MAPPED SITES SUMMARY

Target Property Address:
12300 NEBRASKA AVENUE
LOS ANGELES, CA 90025

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Y118	SHELL SERVICE STATIO	11944 OLYMPIC BLVD,	LUST, HIST UST	Lower	1380, 0.261, ESE
Z119	NETHERCUTT LABYS ANT	2928 NEBRASKA AVE.	SEMS-ARCHIVE	Lower	1453, 0.275, SW
Z120	MCDONNELL-DOUGLAS AI	OLYMPIC BLVD. AND CE	SEMS-ARCHIVE	Lower	1460, 0.277, SW
121	SANTA MONICA BUSINES	2902 EXPOSITION BOUL	LUST, CPS-SLIC, ENF, HIST CORTESE	Lower	1495, 0.283, SSW
Y122	3M LOS ANGELES DYNAC	11915 W OLYMPIC BLVD	HWP	Lower	1508, 0.286, ESE
Y123	3M LOS ANGELES DYNAC	11915 WEST OLYMPIC B	RCRA-TSDF, RCRA NonGen / NLR, FINDS, ECHO	Lower	1508, 0.286, ESE
AA124	CALAIR INT'L - S.W.	1724 STANFORD AVE.	SEMS-ARCHIVE	Lower	1530, 0.290, WSW
Z125	NEUTRONICS INC.	2908 NEBRASKA AVE.	SEMS-ARCHIVE	Lower	1536, 0.291, SW
AA126	J. E. YOUNG PIPELINE	1716 STANFORD AVE.	SEMS-ARCHIVE	Lower	1546, 0.293, WSW
Z127	SPC ELECTRONIC RESEA	2500 NEBRASKA AVENUE	ENVIROSTOR	Lower	1718, 0.325, SW
128	AVES TRUST	2010 S. WESTGATE AVE	SEMS-ARCHIVE	Higher	1722, 0.326, ENE
129	SPAZIER SOAP CHEMICA	2400 NEBRASKA AVE.	ENVIROSTOR	Lower	1743, 0.330, SW
130	ARMAL MFG. CO.	1660 STANFORD AVE.	SEMS-ARCHIVE	Higher	1786, 0.338, WSW
AB131	CINEMA PRODUCTS, THE	2037 GRANVILLE AVENU	ENVIROSTOR	Higher	2010, 0.381, East
AB132	CINEMA PRODUCTS	2037 GRANVILLE AVE	SEMS-ARCHIVE	Higher	2010, 0.381, East
AC133	BOEING CO.	2801 EXPOSITION	CPS-SLIC	Lower	2062, 0.391, SW
AC134	SANTA MONICA CITY LA	STEWART & EXPOSITION	WMUDS/SWAT	Lower	2074, 0.393, SW
135	SOUTHERN CA GAS CO	1701 STEWART	LUST, HIST CORTESE	Lower	2151, 0.407, WSW
AD136	WESSEN BUICK DEALER	3101 PICO	HIST CORTESE	Lower	2152, 0.408, South
AD137	PETER FOREIGN AUTO S	3007 PICO BL	LUST, HIST UST	Higher	2209, 0.418, South
AE138	76 STATION #5210	11954 SANTA MONICA B	LUST	Higher	2286, 0.433, NNW
AE139	76 PRODUCTS STATION	11954 SANTA MONICA	LUST, HIST CORTESE	Higher	2286, 0.433, NNW
140	WESTERN DISTRICT COL	2027 STONER AVE S.	LUST	Higher	2328, 0.441, ENE
141	SANTA MONICA COLLEGE	1660 STEWART STREET	ENVIROSTOR, LUST, SCH, DEED, NPDES, CIWQS	Higher	2366, 0.448, WSW
142	REGENCY DRY CLEANER	12225 SANTA MONICA B	CPS-SLIC	Higher	2500, 0.473, NW
143	GTE BUNDY CENTRAL OF	1450 BUNDY DR S	LUST, HAZNET, HIST CORTESE	Higher	2559, 0.485, NNW
AF144	REX PRECISION PRODS	2131 STONER AVE	SEMS-ARCHIVE, RCRA-SQG	Higher	2589, 0.490, East
AF145	STONER AVENUE SITE	2131 STONER AVENUE	ENVIROSTOR, VCP, HIST CORTESE, LA Co. Site...	Higher	2589, 0.490, East
146	ARCO POWER GAS STATI	11748 OLYMPIC BLVD	LUST, ENF, HIST CORTESE	Higher	2624, 0.497, East
147	SANFORD / PAPER MATE	1681 26TH STREET	ENVIROSTOR, CPS-SLIC, FINDS, ECHO, ENF, HIST...	Lower	2709, 0.513, WSW
148	SANTA MONICA HOUSING		ENVIROSTOR	Lower	2835, 0.537, SW
149	WESTSIDE YMCA	1452 SOUTH WESTGATE	ENVIROSTOR, VCP	Higher	2966, 0.562, North
150	BARRY AVENUE PLATING	2210 BARRY AVE.	RCRA-LQG, ENVIROSTOR, UST, VCP, SWEEPS UST, HIST...	Higher	3512, 0.665, East
151	WATER GARDENS	2500 COLORADO AVENUE	ENVIROSTOR, CPS-SLIC	Lower	3630, 0.688, WSW
152	EXTRA SPACE	1707 CLOVERFIELD BLV	ENVIROSTOR, CPS-SLIC, VCP, DEED	Lower	4004, 0.758, SW
153	TENNESSEE AVENUE LOF	11500 TENNESSEE AVE	ENVIROSTOR, LA Co. Site Mitigation	Higher	4543, 0.860, East
154	COLORADO PLACE	BROADWAY AND CLOVERF	RESPONSE, ENVIROSTOR, CA BOND EXP. PLAN	Lower	4762, 0.902, 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
WEST LA SERVICE CENT 12300 NEBRASKA AVENU LOS ANGELES, CA 90025	FINDS Registry ID:: 110042272705 ECHO Registry ID: 110042272705	N/A
WEST LA SERVICE CENT 12300 NEBRASKA AVENU LOS ANGELES, CA 90025	RCRA-LQG EPA ID:: CAD983613225	CAD983613225
L A DWP/WEST LA DIST 12300 NEBRASKA AVE LOS ANGELES, CA 90025	HAZNET GEPAID: CAL000042127	N/A
WEST LOS ANGELES SER 12300 NEBRASKA AVE LOS ANGELES, CA 90025	FINDS Registry ID:: 110065414634	N/A
W LOS ANGELES DISTRI 12300 NEBRASKA AVE LOS ANGELES, CA 90025	SWEEPS UST Comp Number: 6108 CA FID UST Facility Id: 19035199 Status: I	N/A
WEST LOS ANGELES SER 12300 NEBRASKA AVE LOS ANGELES, CA 90025	AST Database: AST, Date of Government Version: 07/06/2016	N/A
LA DEPARTMENT WATER 12300 NEBRASKA AVE LOS ANGELES, CA 90025	FINDS Registry ID:: 110019000873	N/A
LA DEPARTMENT WATER 12300 NEBRASKA AVE LOS ANGELES, CA 90025	HAZNET GEPAID: CAD983613225	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
SEMS ..... Superfund Enterprise Management System

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

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 landfill and/or solid waste disposal site lists

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

EXECUTIVE SUMMARY

State and tribal Brownfields sites

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

SWRCY ..... Recycler Database
HAULERS ..... Registered Waste Tire Haulers Listing
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands
ODI ..... Open Dump Inventory
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

AOCONCERN ..... San Gabriel Valley Areas of Concern
US HIST CDL ..... Delisted National Clandestine Laboratory Register
HIST Cal-Sites ..... Historical Calsites Database
CDL ..... Clandestine Drug Labs
Toxic Pits ..... Toxic Pits Cleanup Act Sites
US CDL ..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CERS TANKS ..... California Environmental Reporting System (CERS) Tanks

Local Land Records

LIENS ..... Environmental Liens Listing
LIENS 2 ..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System
CHMIRS ..... California Hazardous Material Incident Report System
LDS ..... Land Disposal Sites Listing
MCS ..... Military Cleanup Sites Listing
SPILLS 90 ..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ..... Formerly Used Defense Sites
DOD ..... Department of Defense Sites
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ..... Financial Assurance Information
EPA WATCH LIST ..... EPA WATCH LIST
2020 COR ACTION ..... 2020 Corrective Action Program List

EXECUTIVE SUMMARY

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
PADS	PCB Activity Database System
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 AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
FUELS PROGRAM	EPA Fuels Program Registered Listing
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	ICE
LOS ANGELES CO. HMS	HMS: Street Number List
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
LA Co. Site Mitigation	Site Mitigation List
UIC	UIC Listing
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)
CERS	CERS
PROJECT	PROJECT (GEOTRACKER)
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
SAMPLING POINT	SAMPLING POINT (GEOTRACKER)
UIC GEO	UIC GEO (GEOTRACKER)
WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)

EXECUTIVE SUMMARY

CIWQS California Integrated Water Quality System
MILITARY PRIV SITES MILITARY PRIV SITES (GEOTRACKER)

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF Recovered Government Archive Solid Waste Facilities List
RGA LUST Recovered Government Archive Leaking Underground Storage Tank

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 05/18/2018 has revealed that there are 30 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AVES TRUST	2010 S. WESTGATE AVE	ENE 1/4 - 1/2 (0.326 mi.)	128	211
ARMAL MFG. CO.	1660 STANFORD AVE.	WSW 1/4 - 1/2 (0.338 mi.)	130	213

Site ID: 0905104 EPA Id: CA0000476440				
CINEMA PRODUCTS Site ID: 0900021 EPA Id: CAD983566753	2037 GRANVILLE AVE	E 1/4 - 1/2 (0.381 mi.)	AB132	215
REX PRECISION PRODS Site ID: 0902703 EPA Id: CAT080032949	***2131 STONER AVE***	***E 1/4 - 1/2 (0.490 mi.)***	***AF144***	***257***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SANTA MONICA WELL FI	OLYMPIC & CENTINELA	S 0 - 1/8 (0.057 mi.)	E23	42
BENSON LEHNER CORP.	1860 FRANKLIN ST.	SW 0 - 1/8 (0.101 mi.)	J43	80
MARSHALL ENGINEERING Site ID: 0905115 EPA Id: CA0000476341	1822-1836 FRANKLIN S	SW 0 - 1/8 (0.117 mi.)	J46	81
PLASTIGLADE MFG. COR	3122 NEBRASKA AVE.	WSW 1/8 - 1/4 (0.141 mi.)	J52	98
WESTCOAST WOOD WORKI Site ID: 0905097 EPA Id: CA0000476580	1816 BERKELEY ST.	SW 1/8 - 1/4 (0.163 mi.)	P61	113
H. BEHLEN & BROS. Site ID: 0905100 EPA Id: CA0000476531	1755 BERKELEY AVE.	WSW 1/8 - 1/4 (0.188 mi.)	Q65	118
T.H. NUGIER CO. / CA Site ID: 0905101 EPA Id: CA0000476515	1758 BERKELEY AVE.	WSW 1/8 - 1/4 (0.209 mi.)	Q78	137
W.C. PRODUCTS INC. Site ID: 0905102 EPA Id: CA0000476598	1748 BERKELEY AVE.	WSW 1/8 - 1/4 (0.215 mi.)	Q83	143
EDSAL PRODUCTS Site ID: 0905103 EPA Id: CA0000476481	1746 BERKELEY AVE.	WSW 1/8 - 1/4 (0.220 mi.)	Q92	151
AIR TOOL ENGINEERING Site ID: 0905116 EPA Id: CA0000477224	3021 NEBRASKA AVE.	WSW 1/8 - 1/4 (0.225 mi.)	W93	152
C.F. CLOVINGER Site ID: 0905086 EPA Id: CA0000476887	3021 NEBRASKA AVE.	WSW 1/8 - 1/4 (0.225 mi.)	W94	153
J.H. THOMPSON/EVAN T Site ID: 0905087 EPA Id: CAD000476903	3019 NEBRASKA AVE.	WSW 1/8 - 1/4 (0.226 mi.)	W96	155
HARRIS ENG CO. Site ID: 0905090 EPA Id: CA0000476929	3017 NEBRASKA AVE.	WSW 1/8 - 1/4 (0.227 mi.)	W97	156
CARSON MFG. CO. Site ID: 0905089 EPA Id: CA0000476960	3015 NEBRASKA AVE.	WSW 1/8 - 1/4 (0.227 mi.)	W99	158
SWISSOMATIC PRODUCTS Site ID: 0905105 EPA Id: CA0000476432	1818 STANDFORD AVE.	SW 1/8 - 1/4 (0.230 mi.)	W100	159
REYNOLDS METAL WORKS	1816 STANFORD ST.	SW 1/8 - 1/4 (0.230 mi.)	W101	160

Site ID: 0905107 EPA Id: CA0000476416				
SANTA MONICA MOLD SH Site ID: 0905108 EPA Id: CA0000476408	1812-1814 STANFORD A	SW 1/8 - 1/4 (0.230 mi.)	W102	161
W.S. RHOADES PLASTIC Site ID: 0905099 EPA Id: CA0000476556	1740 BERKELEY AVE.	WSW 1/8 - 1/4 (0.234 mi.)	Q103	162
PIPCO INT'L CORP. Site ID: 0905109 EPA Id: CA0000476390	1757 STANFORD AVE.	WSW 1/4 - 1/2 (0.254 mi.)	W115	192
BOISON-DALE Site ID: 0905091 EPA Id: CA0000476978	2932 NEBRASKA AVE.	SW 1/4 - 1/2 (0.258 mi.)	W116	194
BAL-TAC ELECTRONICS, Site ID: 0905092 EPA Id: CA0000476994	2944 NEBRASKA AVE.	SW 1/4 - 1/2 (0.258 mi.)	W117	195
NETHERCUTT LABYS ANT Site ID: 0905093 EPA Id: CA0000477018	2928 NEBRASKA AVE.	SW 1/4 - 1/2 (0.275 mi.)	Z119	198
MCDONNELL-DOUGLAS AI	OLYMPIC BLVD. AND CE	SW 1/4 - 1/2 (0.277 mi.)	Z120	199
CALAIR INT'L - S.W. Site ID: 0905110 EPA Id: CA0000476382	1724 STANFORD AVE.	WSW 1/4 - 1/2 (0.290 mi.)	AA124	206
NEUTRONICS INC. Site ID: 0905094 EPA Id: CA0000477034	2908 NEBRASKA AVE.	SW 1/4 - 1/2 (0.291 mi.)	Z125	208
J. E. YOUNG PIPELINE Site ID: 0905106 EPA Id: CA0000476424	1716 STANFORD AVE.	WSW 1/4 - 1/2 (0.293 mi.)	AA126	209

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 03/01/2018 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
3M LOS ANGELES DYNAC EPA ID:: CAT000617621	***11915 WEST OLYMPIC B***	***ESE 1/4 - 1/2 (0.286 mi.)***	***Y123***	***205***

EXECUTIVE SUMMARY

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 03/01/2018 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LACMTA DIVISION 14 EPA ID:: CAR000257519	***1955 CENTINELA AVE***	***SSE 0 - 1/8 (0.078 mi.)***	***H34***	***59***

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 03/01/2018 has revealed that there are 18 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNILAB WEST L A STAT EPA ID:: CAD983664814	11915 LA GRANGE AVE	E 1/8 - 1/4 (0.207 mi.)	73	127
LA WEST LOS ANGELES EPA ID:: CAD981988371	***11950 W MISSOURI AVE***	***NE 1/8 - 1/4 (0.215 mi.)***	***V81***	***140***
RAINBOR RECORDS - SA EPA ID:: CAD981993736	***1728 BERKELEY ST.***	***WSW 1/8 - 1/4 (0.241 mi.)***	***X104***	***164***
DELTA GRAPHICS EPA ID:: CAD982506073	***1715 BERKELEY ST***	***WSW 1/8 - 1/4 (0.245 mi.)***	***X109***	***174***

Lower Elevation	Address	Direction / Distance	Map ID	Page
TELEDYNE CONTROLS S EPA ID:: CAD038179842	***12333 W OLYMPIC BLVD***	***SE 0 - 1/8 (0.040 mi.)***	***20***	***37***
TELEFLORA EPA ID:: CAD982403339	***12233 W OLYMPIC BLVD***	***ESE 0 - 1/8 (0.072 mi.)***	***G31***	***48***
BAY DISTRICT PAVING EPA ID:: CAD041161902	***1955 CENTINELA AVE***	***SSE 0 - 1/8 (0.078 mi.)***	***H33***	***50***
BAY DISTRICT PAVING EPA ID:: CAD075288993	***1955 CENTINELA AVE***	***SSE 0 - 1/8 (0.078 mi.)***	***H35***	***61***
HORNBURG JAGUAR EPA ID:: CAD983602228	***3300 OLYMPIC BLVD***	***SSW 0 - 1/8 (0.100 mi.)***	***I41***	***68***
PIONEER MAGNETICS IN EPA ID:: CAD981667843	***3122 NEBRASKA ST***	***WSW 1/8 - 1/4 (0.141 mi.)***	***J50***	***86***
MARTIN CADILLAC CO I	***12101 W OLYMPIC BLVD***	***ESE 1/8 - 1/4 (0.143 mi.)***	***N55***	***102***

EPA ID:: CAD007873383				
ROTOFLOW CORPORATION	***2235 S CARMELINA AVE***	***SE 1/8 - 1/4 (0.193 mi.)***	***66***	***119***
EPA ID:: CAD982029696				
POLEY SERVICE CTR	***2050 BUNDY DR***	***ESE 1/8 - 1/4 (0.204 mi.)***	***S71***	***125***
EPA ID:: CAD983634189				
ROLEX AUTHORIZED SER	***2050 BUNDY DR STE 29***	***ESE 1/8 - 1/4 (0.204 mi.)***	***S72***	***126***
EPA ID:: CAD983612888				
KIPER LASCU	***3000 W OLYMPIC BLVD***	***SW 1/8 - 1/4 (0.209 mi.)***	***T74***	***129***
EPA ID:: CAD982434557				
DIGITAL MAGIC CO	***3000 W OLYMPIC BLVD***	***SW 1/8 - 1/4 (0.209 mi.)***	***T75***	***131***
EPA ID:: CAR000032508				
SYSTEM DEVELOPMENT C	***3000 OLYMPIC BLVD***	***SW 1/8 - 1/4 (0.209 mi.)***	***T76***	***134***
EPA ID:: CAD981402167				
CHEVRON STATION 9 09	***11951 W OLYMPIC BLVD***	***ESE 1/8 - 1/4 (0.248 mi.)***	***S114***	***183***
EPA ID:: CAD983643248				

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 03/01/2018 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
LANTANA SOUTH D/MAGU	3301 EXPOSITION BOUL	S 1/8 - 1/4 (0.145 mi.)	O58	109
EPA ID:: CAP000182964				

State- and tribal - equivalent NPL

RESPONSE: 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.

A review of the RESPONSE list, as provided by EDR, has revealed that there is 1 RESPONSE site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
COLORADO PLACE	***BROADWAY AND CLOVERF***	***WSW 1/2 - 1 (0.902 mi.)***	***154***	***342***

Database: RESPONSE, Date of Government Version: 04/30/2018
Status: No Further Action
Facility Id: 19490208

EXECUTIVE SUMMARY

State- and tribal - equivalent CERCLIS

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 ENVIROSTOR list, as provided by EDR, and dated 04/30/2018 has revealed that there are 22 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
12210 1/2 NEBRASKA A Facility Id: 60001101 Status: Refer: RWQCB	***12210 1/2 NEBRASKA A***	***NNE 0 - 1/8 (0.014 mi.)***	***B14***	***21***
CINEMA PRODUCTS, THE Facility Id: 19360526 Status: No Further Action	2037 GRANVILLE AVENU	E 1/4 - 1/2 (0.381 mi.)	AB131	214
SANTA MONICA COLLEGE Facility Id: 60001654 Status: Certified O&M - Land Use Restrictions Only	***1660 STEWART STREET***	***WSW 1/4 - 1/2 (0.448 mi.)***	***141***	***241***
STONER AVENUE SITE Facility Id: 19340669 Status: No Further Action	***2131 STONER AVENUE***	***E 1/4 - 1/2 (0.490 mi.)***	***AF145***	***260***
WESTSIDE YMCA Facility Id: 60002201 Status: Inactive - Action Required	***1452 SOUTH WESTGATE***	***N 1/2 - 1 (0.562 mi.)***	***149***	***285***
BARRY AVENUE PLATING Facility Id: 71002319 Facility Id: 60000437 Status: Refer: Other Agency Status: Active	***2210 BARRY AVE.***	***E 1/2 - 1 (0.665 mi.)***	***150***	***289***
TENNESSEE AVENUE LOF Facility Id: 70000127 Status: Refer: 1248 Local Agency	***11500 TENNESSEE AVE***	***E 1/2 - 1 (0.860 mi.)***	***153***	***341***

Lower Elevation	Address	Direction / Distance	Map ID	Page
PROPOSED HERB ALPERT Facility Id: 19820113 Status: Certified O&M - Land Use Restrictions Only	***3131 OLYMPIC BOULEVA***	***SSW 0 - 1/8 (0.100 mi.)***	***I42***	***70***
PIONEER MAGNETICS IN Facility Id: 60001691 Status: No Further Action	***3122 NEBRASKA ST***	***WSW 1/8 - 1/4 (0.141 mi.)***	***J50***	***86***
HIGHLAND ENGINEERING Facility Id: 60001736	1942 BERKEKLEY AVE.	WSW 1/8 - 1/4 (0.182 mi.)	Q62	114

Status: No Further Action				
H. BEHLEN & BROS. (P Facility Id: 60001745 Status: No Further Action	1755 BERKELEY STREET	WSW 1/8 - 1/4 (0.188 mi.)	Q64	117
F. A. NUGIER CO. Facility Id: 60001730 Status: No Further Action	1758 BERKELEY AVE.	WSW 1/8 - 1/4 (0.209 mi.)	Q77	136
DOUGLAS AIRCRAFT PLT Facility Id: 80000074 Status: Inactive - Needs Evaluation		SSW 1/8 - 1/4 (0.211 mi.)	U79	138
C.F. CLOVINGER Facility Id: 60001758 Status: No Further Action	3021 NEBRASKA AVENUE	WSW 1/8 - 1/4 (0.225 mi.)	W95	154
CARSON MANUFACTURING Facility Id: 60001759 Status: No Further Action	3015 NEBRASKA AVENUE	WSW 1/8 - 1/4 (0.227 mi.)	W98	157
SPC ELECTRONIC RESEA Facility Id: 60001679 Status: No Further Action	2500 NEBRASKA AVENUE	SW 1/4 - 1/2 (0.325 mi.)	Z127	210
SPAZIER SOAP CHEMICA Facility Id: 60001675 Status: No Further Action	2400 NEBRASKA AVE.	SW 1/4 - 1/2 (0.330 mi.)	129	212
SANFORD / PAPER MATE Facility Id: 19390024 Status: Refer: Other Agency	***1681 26TH STREET***	***WSW 1/2 - 1 (0.513 mi.)***	***147***	***277***
SANTA MONICA HOUSING Facility Id: 80001138 Status: Inactive - Needs Evaluation		SW 1/2 - 1 (0.537 mi.)	148	284
WATER GARDENS Facility Id: 19210002 Status: Refer: Other Agency	***2500 COLORADO AVENUE***	***WSW 1/2 - 1 (0.688 mi.)***	***151***	***330***
EXTRA SPACE Facility Id: 60000517 Status: Certified O&M - Land Use Restrictions Only	***1707 CLOVERFIELD BLV***	***SW 1/2 - 1 (0.758 mi.)***	***152***	***332***
COLORADO PLACE Facility Id: 19490208 Status: No Further Action	***BROADWAY AND CLOVERF***	***WSW 1/2 - 1 (0.902 mi.)***	***154***	***342***

State and tribal leaking storage tank lists

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 LUST list, as provided by EDR, has revealed that there are 17 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PETER FOREIGN AUTO S Database: LUST, Date of Government Version: 06/11/2018	***3007 PICO BL***	***S 1/4 - 1/2 (0.418 mi.)***	***AD137***	***220***

Status: Completed - Case Closed
Global Id: T0603793191

76 STATION #5210 | 11954 SANTA MONICA B | NNW 1/4 - 1/2 (0.433 mi.) | AE138 | 222
Database: LUST REG 4, Date of Government Version: 09/07/2004
Global ID: T0603700695
Global ID: T0603763357
Facility Id: 900250107A
Status: Case Closed
Status: Remediation Plan

76 PRODUCTS STATION | 11954 SANTA MONICA | NNW 1/4 - 1/2 (0.433 mi.) | AE139 | 224
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Global Id: T0603763357
Global Id: T0603700695

WESTERN DISTRICT COL | 2027 STONER AVE S. | ENE 1/4 - 1/2 (0.441 mi.) | 140 | 234
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/11/2018
Global ID: T0603763571
Status: Open - Remediation
Facility Id: 900250243
Status: Pollution Characterization
Global Id: T0603763571

SANTA MONICA COLLEGE | 1660 STEWART STREET | WSW 1/4 - 1/2 (0.448 mi.) | 141 | 241
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Global Id: T10000006140

GTE BUNDY CENTRAL OF | 1450 BUNDY DR S | NNW 1/4 - 1/2 (0.485 mi.) | 143 | 255
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/11/2018
Global ID: T0603700698
Status: Completed - Case Closed
Facility Id: 900250134
Status: Case Closed
Global Id: T0603700698

ARCO POWER GAS STATI | 11748 OLYMPIC BLVD | E 1/4 - 1/2 (0.497 mi.) | 146 | 265
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/11/2018
Global ID: T0603701167
Status: Completed - Case Closed
Facility Id: 900640071
Status: Remediation Plan
Global Id: T0603701167

Lower Elevation	Address	Direction / Distance	Map ID	Page

MATHEW MAY PROPERTY | 12312 OLYMPIC BLVD W | SE 0 - 1/8 (0.060 mi.) | F25 | 44
Database: LUST REG 4, Date of Government Version: 09/07/2004
Global ID: T0603700114
Facility Id: 100.315
Status: Case Closed

AMBROSE COMPANY | 3200 OLYMPIC | S 0 - 1/8 (0.088 mi.) | E37 | 64
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/11/2018

Global ID: T0603701418
Status: Completed - Case Closed
Facility Id: 904040370
Status: Case Closed
Global Id: T0603701418

LANTANA SOUTH LLC-MA	3301 EXPOSITION BLVD	S 1/8 - 1/4 (0.145 mi.)	O57	108

Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Global Id: T0603795042

JOHN DRESCHER PROPER	***1815 STANFORD***	***SW 1/8 - 1/4 (0.182 mi.)***	***P63***	***115***

Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/11/2018
Global ID: T0603701408
Status: Completed - Case Closed
Facility Id: 904040270
Status: Preliminary site assessment underway
Global Id: T0603701408

76 PRODUCTS STATION	12100 OLYMPIC BLVD W	ESE 1/8 - 1/4 (0.217 mi.)	R89	148

Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/11/2018
Global ID: T0603701175
Status: Completed - Case Closed
Facility Id: 900640270
Status: Case Closed
Global Id: T0603701175

GTE PLANT YARD	***2943 EXPOSITION BL***	***SSW 1/8 - 1/4 (0.243 mi.)***	***U108***	***171***

Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/11/2018
Global ID: T0603701387
Status: Completed - Case Closed
Facility Id: 904040070
Status: Leak being confirmed
Global Id: T0603701387

CHEVRON STATION 9 09	***11951 W OLYMPIC BLVD***	***ESE 1/8 - 1/4 (0.248 mi.)***	***S114***	***183***

Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/11/2018
Global ID: T0603794744
Global ID: T0603701163
Status: Completed - Case Closed
Facility Id: 900640025A
Facility Id: 900640025
Status: Pollution Characterization
Status: Case Closed
Global Id: T0603794744
Global Id: T0603701163

SHELL SERVICE STATIO	***11944 OLYMPIC BLVD,***	***ESE 1/4 - 1/2 (0.261 mi.)***	***Y118***	***196***

Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Global Id: T0603743918

SANTA MONICA BUSINES	***2902 EXPOSITION BOUL***	***SSW 1/4 - 1/2 (0.283 mi.)***	***121***	***200***

Database: LUST REG 4, Date of Government Version: 09/07/2004
Global ID: T0603701382
Facility Id: 904040025

Status: Case Closed

SOUTHERN CA GAS CO ***1701 STEWART*** ***WSW 1/4 - 1/2 (0.407 mi.)*** ***135*** ***218***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/11/2018
Global ID: T0603792927
Status: Completed - Case Closed
Facility Id: 904040416
Status: Pollution Characterization
Global Id: T0603792927

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 CPS-SLIC list, as provided by EDR, has revealed that there are 10 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REGENCY DRY CLEANER	12225 SANTA MONICA B	NW 1/4 - 1/2 (0.473 mi.)	142	254
Database: SLIC REG 4, Date of Government Version: 11/17/2004 Database: CPS-SLIC, Date of Government Version: 06/11/2018 Facility Status: Completed - Case Closed Facility Status: No further action required Global Id: SLT43360358				

Lower Elevation	Address	Direction / Distance	Map ID	Page
HUDSON ELEMENT LA	12333 WEST OLYMPIC B	SSE 0 - 1/8 (0.007 mi.)	C12	20
Database: CPS-SLIC, Date of Government Version: 06/11/2018 Facility Status: Open - Site Assessment Global Id: SL2046M1652				
AGI PROPERTIES	12333 OLYMPIC	SSE 0 - 1/8 (0.013 mi.)	C13	21
Database: SLIC REG 4, Date of Government Version: 11/17/2004 Facility Status: Site Assessment				
BOEING CO.	1909 CENTINELA	SSW 0 - 1/8 (0.028 mi.)	D19	36
Database: SLIC REG 4, Date of Government Version: 11/17/2004 Database: CPS-SLIC, Date of Government Version: 06/11/2018 Facility Status: Completed - Case Closed Facility Status: No further action required Global Id: SL0603761453				
MATHEW MAY PROPERTY	***12312 OLYMPIC BLVD W***	***SE 0 - 1/8 (0.060 mi.)***	***F25***	***44***
Database: CPS-SLIC, Date of Government Version: 06/11/2018 Facility Status: Completed - Case Closed Global Id: T0603700114				
MATHEW MAY PROPERTY	***12312 OLYMPIC***	***SE 0 - 1/8 (0.060 mi.)***	***F26***	***45***
Database: SLIC REG 4, Date of Government Version: 11/17/2004 Facility Status: No further action required				
COMMERCIAL DEVELOPME	12312 WEST OLYMPIC B	SE 0 - 1/8 (0.060 mi.)	F29	47
Database: CPS-SLIC, Date of Government Version: 06/11/2018 Facility Status: Completed - Case Closed				

Global Id: SL204931715				
HUDSON ELEMENT LA Database: CPS-SLIC, Date of Government Version: 06/11/2018 Facility Status: Open - Site Assessment Global Id: SL0603705527	1901, 1925, 1933 S.	ESE 1/8 - 1/4 (0.127 mi.)	K48	83
SANTA MONICA BUSINES Database: CPS-SLIC, Date of Government Version: 06/11/2018 Facility Status: Completed - Case Closed Facility Status: Open - Assessment & Interim Remedial Action Global Id: T0603701382 Global Id: SLT4307573	***2902 EXPOSITION BOUL***	***SSW 1/4 - 1/2 (0.283 mi.)***	***121***	***200***
BOEING CO. Database: SLIC REG 4, Date of Government Version: 11/17/2004 Facility Status: Site Assessment	2801 EXPOSITION	SW 1/4 - 1/2 (0.391 mi.)	AC133	216

State and tribal registered storage tank lists

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 UST list, as provided by EDR, has revealed that there are 7 UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HORNBURG JAGUAR Database: UST, Date of Government Version: 06/11/2018 Facility Id: 600144	***3300 OLYMPIC BLVD***	***SSW 0 - 1/8 (0.100 mi.)***	***I41***	***68***
FOX TELEVISION STATI Database: UST, Date of Government Version: 06/11/2018 Facility Id: 25038	1999 S BUNDY DR	E 0 - 1/8 (0.110 mi.)	K44	81
FOX TELEVISION STATI Database: UST, Date of Government Version: 06/11/2018 Facility Id: FA0033837	1999 BUNDY DR	E 0 - 1/8 (0.110 mi.)	K45	81
MARTIN CADILLAC COMP Database: UST, Date of Government Version: 06/11/2018 Facility Id: 25425	***12101 W OLYMPIC BLVD***	***ESE 1/8 - 1/4 (0.143 mi.)***	***N53***	***99***
BUNDY CLEANERS INC Database: UST, Date of Government Version: 06/11/2018 Facility Id: 24020	***2139 S BUNDY DR***	***ESE 1/8 - 1/4 (0.198 mi.)***	***R68***	***122***
TOSCO CORPORATION #3 Database: UST, Date of Government Version: 06/11/2018 Facility Id: 24228	12100 W OLYMPIC BLVD	ESE 1/8 - 1/4 (0.217 mi.)	R90	150
CHEVRON STATION #9-0 Database: UST, Date of Government Version: 06/11/2018 Facility Id: 23797	11951 W OLYMPIC BLVD	ESE 1/8 - 1/4 (0.248 mi.)	S112	180

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 6 AST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RECEIVING STATION K Database: AST, Date of Government Version: 07/06/2016	1840 S CENTINELA AVE	SSW 0 - 1/8 (0.015 mi.)	D16	32
HORNBURG JAGUAR Database: AST, Date of Government Version: 07/06/2016	3300 OLYMPIC BLVD	SSE 0 - 1/8 (0.055 mi.)	C22	42
RIOT GAMES INC. Database: AST, Date of Government Version: 07/06/2016	12312 W OLYMPIC BLVD	SE 0 - 1/8 (0.060 mi.)	F27	46
METRO OPERATIONS AND Database: AST, Date of Government Version: 07/06/2016	1955 CENTINELA AVE	SSE 0 - 1/8 (0.078 mi.)	H36	63
HORNBURG SANTA MONIC Database: AST, Date of Government Version: 07/06/2016	3300 OLYMPIC BLVD	SSW 0 - 1/8 (0.100 mi.)	I40	67
MARTIN CADILLAC Database: AST, Date of Government Version: 07/06/2016	12101 W OLYMPIC BLVD	ESE 1/8 - 1/4 (0.143 mi.)	N56	107

State and tribal voluntary cleanup sites

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 VCP list, as provided by EDR, and dated 04/30/2018 has revealed that there are 2 VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
12210 1/2 NEBRASKA A Status: Refer: RWQCB Facility Id: 60001101	***12210 1/2 NEBRASKA A***	***NNE 0 - 1/8 (0.014 mi.)***	***B14***	***21***
STONER AVENUE SITE Status: No Further Action Facility Id: 19340669	***2131 STONER AVENUE***	***E 1/4 - 1/2 (0.490 mi.)***	***AF145***	***260***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SANTA MONICA CITY LA	STEWART & EXPOSITION	SW 1/4 - 1/2 (0.393 mi.)	AC134	217

EXECUTIVE SUMMARY

Local Lists of Hazardous waste / Contaminated Sites

SCH: 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.

A review of the SCH list, as provided by EDR, and dated 04/30/2018 has revealed that there is 1 SCH site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PROPOSED HERB ALPERT Facility Id: 19820113 Status: Certified O&M - Land Use Restrictions Only	***3131 OLYMPIC BOULEVA***	***SSW 0 - 1/8 (0.100 mi.)***	***I42***	***70***

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 CERS HAZ WASTE list, as provided by EDR, and dated 04/23/2018 has revealed that there is 1 CERS HAZ WASTE site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PIONEER MAGNETICS	***3122 NEBRASKA AVE***	***WSW 1/8 - 1/4 (0.141 mi.)***	***J51***	***90***

Local Lists of Registered Storage Tanks

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 SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 15 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PLASKON ELECTRONIC M Comp Number: 1046	***12270 NEBRASKA AVE***	***0 - 1/8 (0.000 mi.)***	***B9***	***16***
CORNERSTONE PLAZA Comp Number: 6559	***1940 S BUNDY DR***	***ENE 1/8 - 1/4 (0.125 mi.)***	***L47***	***82***
CORNERSTONE PLAZA Status: A Comp Number: 7368	***1990 S BUNDY DRIVE***	***E 1/8 - 1/4 (0.158 mi.)***	***L60***	***112***
WEST LOS ANGELES ANI Comp Number: 2434	***11950 MISSOURI AVE***	***NE 1/8 - 1/4 (0.215 mi.)***	***V80***	***139***

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNK	***12333 OLYMPIC BLVD***	***SSE 0 - 1/8 (0.007 mi.)***	***C11***	***19***

Comp Number: 7832				
GLASER TRUST/WERNER Comp Number: 6159	***12401 OLYMPIC BLVD***	***SSE 0 - 1/8 (0.021 mi.)***	***C17***	***33***
MEDICAL CHEMICAL COR Status: A Tank Status: A Comp Number: 60891	***1909 CENTINELA AVE***	***SSW 0 - 1/8 (0.028 mi.)***	***D18***	***34***
HORNBURG JAQUAA, INC Status: A Tank Status: A Comp Number: 16	***3300 OLYMPIC BLVD***	***SSE 0 - 1/8 (0.055 mi.)***	***C21***	***41***
SOUTHWEST LEASING Comp Number: 7160	***12312 W OLYMPIC BLVD***	***SE 0 - 1/8 (0.060 mi.)***	***F28***	***46***
MARTIN CADILLAC COMP Status: A Tank Status: A Comp Number: 1720	***12101 W OLYMPIC BLVD***	***ESE 1/8 - 1/4 (0.143 mi.)***	***N53***	***99***
BARCO AVIATION, INC Status: A Comp Number: 8018	***12322 EXPOSITION BLV***	***SE 1/8 - 1/4 (0.148 mi.)***	***M59***	***111***
BUNDY CLEANERS INC Status: A Tank Status: A Comp Number: 2864	***2139 S BUNDY DR***	***ESE 1/8 - 1/4 (0.198 mi.)***	***R68***	***122***
UNION SERVICE STATIO Status: A Tank Status: A Comp Number: 1735	***12100 W OLYMPIC BLVD***	***ESE 1/8 - 1/4 (0.217 mi.)***	***R86***	***145***
GENERAL TELEPHONE CO Status: A Tank Status: A Comp Number: 3721	***2943 EXPOSITION BLVD***	***SSW 1/8 - 1/4 (0.243 mi.)***	***U106***	***167***
LOVCO WEST INC Status: A Tank Status: A Comp Number: 3481	***11951 W OLYMPIC BLVD***	***ESE 1/8 - 1/4 (0.248 mi.)***	***S111***	***178***

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 17 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PLASKON ELECTRONIC M Facility Id: 00000016949	***12270 NEBRASKA AVE***	***0 - 1/8 (0.000 mi.)***	***B9***	***16***
WEST LOS ANGELES ANI	***11950 MISSOURI AVE***	***NE 1/8 - 1/4 (0.215 mi.)***	***V80***	***139***
WEST LOS ANGELES ANI Facility Id: 00000047073	11950 MISSOURI AVE	NE 1/8 - 1/4 (0.215 mi.)	V82	142

Lower Elevation	Address	Direction / Distance	Map ID	Page
MEDICAL CHEMICAL COR	***1909 CENTINELA AVE***	***SSW 0 - 1/8 (0.028 mi.)***	***D18***	***34***

Facility Id: 00000041236 Facility Id: 00000060891				
BAY DISTRICT PAVING Facility Id: 00000005408	***1955 CENTINELA AVE***	***SSE 0 - 1/8 (0.078 mi.)***	***H33***	***50***
KENTUCKY BRANDS OF C Facility Id: 00000003234	3200 OLYMPIC BLVD	S 0 - 1/8 (0.088 mi.)	E38	66
MARTIN CADILLAC COMP	12101 WEST OLYMPIC B	ESE 1/8 - 1/4 (0.143 mi.)	N54	102
MARTIN CADILLAC CO I Facility Id: 00000029263	***12101 W OLYMPIC BLVD***	***ESE 1/8 - 1/4 (0.143 mi.)***	***N55***	***102***
BUNDY CLEANERS INC	***2139 S BUNDY DR***	***ESE 1/8 - 1/4 (0.198 mi.)***	***R69***	***122***
BUDY CLEANERS Facility Id: 00000050954	2139 S BUNDY DR	ESE 1/8 - 1/4 (0.198 mi.)	R70	124
UNION OIL SERVICE ST	12100 WEST OLYMPIC B	ESE 1/8 - 1/4 (0.217 mi.)	R84	144
UNION SERVICE STATIO	***12100 W OLYMPIC BLVD***	***ESE 1/8 - 1/4 (0.217 mi.)***	***R86***	***145***
UNION OIL SERVICE ST Facility Id: 00000056022	12100 W OLYMPIC BLVD	ESE 1/8 - 1/4 (0.217 mi.)	R87	147
SERVICE STATION 3019 Facility Id: 00000029312	12100 W OLYMPIC BLVD	ESE 1/8 - 1/4 (0.217 mi.)	R91	150
SANTA MONICA Facility Id: 00000018983	2943 EXPOSITION BLVD	SSW 1/8 - 1/4 (0.243 mi.)	U105	167
SANTA MONICA Facility Id: 00000003721	***2943 EXPOSITION BLVD***	***SSW 1/8 - 1/4 (0.243 mi.)***	***U107***	***169***
90944 Facility Id: 00000061951	11951 W OLYMPIC BLVD	ESE 1/8 - 1/4 (0.248 mi.)	S110	177

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 16 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PLASKON ELECTRONIC M Facility Id: 19028508 Status: I	***12270 NEBRASKA AVE***	***0 - 1/8 (0.000 mi.)***	***B9***	***16***
CORNERSTONE PLAZA Facility Id: 19056271 Status: A	***1940 S BUNDY DR***	***ENE 1/8 - 1/4 (0.125 mi.)***	***L47***	***82***
CORNERSTONE PLAZA Facility Id: 19056490 Status: A	***1990 S BUNDY DRIVE***	***E 1/8 - 1/4 (0.158 mi.)***	***L60***	***112***
WEST LOS ANGELES ANI Facility Id: 19025214 Status: A	***11950 MISSOURI AVE***	***NE 1/8 - 1/4 (0.215 mi.)***	***V80***	***139***

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNK	***12333 OLYMPIC BLVD***	***SSE 0 - 1/8 (0.007 mi.)***	***C11***	***19***

Facility Id: 19029080 Status: I				
DEPARTMENT OF WATER Facility Id: 19055770 Status: A	***1840 CENTINELA AVE***	***SSW 0 - 1/8 (0.015 mi.)***	***D15***	***25***
GLASER TRUST/WERNER Facility Id: 19006808 Status: I	***12401 OLYMPIC BLVD***	***SSE 0 - 1/8 (0.021 mi.)***	***C17***	***33***
MEDICAL CHEMICAL COR Facility Id: 19028615 Status: A	***1909 CENTINELA AVE***	***SSW 0 - 1/8 (0.028 mi.)***	***D18***	***34***
HORNBURG JAQUAA, INC Facility Id: 19034925 Status: A	***3300 OLYMPIC BLVD***	***SSE 0 - 1/8 (0.055 mi.)***	***C21***	***41***
SOUTHWEST LEASING Facility Id: 19001528 Status: A	***12312 W OLYMPIC BLVD***	***SE 0 - 1/8 (0.060 mi.)***	***F28***	***46***
MARTIN CADILLAC CO I Facility Id: 19028122 Status: A	***12101 W OLYMPIC BLVD***	***ESE 1/8 - 1/4 (0.143 mi.)***	***N55***	***102***
BARCO AVIATION, INC Facility Id: 19056570 Status: A	***12322 EXPOSITION BLV***	***SE 1/8 - 1/4 (0.148 mi.)***	***M59***	***111***
BUNDY CLEANERS INC Facility Id: 19036800 Status: A	***2139 S BUNDY DR***	***ESE 1/8 - 1/4 (0.198 mi.)***	***R69***	***122***
UNION SERVICE STATIO Facility Id: 19002619 Status: A	***12100 W OLYMPIC BLVD***	***ESE 1/8 - 1/4 (0.217 mi.)***	***R86***	***145***
GENERAL TELEPHONE CO Facility Id: 19020338 Status: A	***2943 EXPOSITION BLVD***	***SSW 1/8 - 1/4 (0.243 mi.)***	***U106***	***167***
LOVCO WEST INC Facility Id: 19001718 Status: A	***11951 W OLYMPIC BLVD***	***ESE 1/8 - 1/4 (0.248 mi.)***	***S111***	***178***

Local Land Records

DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the DEED list, as provided by EDR, and dated 06/04/2018 has revealed that there are 2 DEED sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SANTA MONICA COLLEGE Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY Envirostor ID: 60001654	***1660 STEWART STREET***	***WSW 1/4 - 1/2 (0.448 mi.)***	***141***	***241***

Lower Elevation	Address	Direction / Distance	Map ID	Page
PROPOSED HERB ALPERT	***3131 OLYMPIC BOULEVA***	***SSW 0 - 1/8 (0.100 mi.)***	***I42***	***70***

EXECUTIVE SUMMARY

Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Envirostor ID: 19820113

Other Ascertainable Records

RCRA NonGen / NLR: 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.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/01/2018 has revealed that there are 3 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PLASKON ELECTRONIC M EPA ID:: CAD008375487	***12270 NEBRASKA AVE***	***0 - 1/8 (0.000 mi.)***	***B9***	***16***

Lower Elevation	Address	Direction / Distance	Map ID	Page
Q-TECH CORP EPA ID:: CAD064618549	***2201 CARMELINA AVE***	***SE 1/8 - 1/4 (0.131 mi.)***	***M49***	***84***
CHEVRON STATION 9094 EPA ID:: CAR000116459	***11951 W OLYMPIC BLVD***	***ESE 1/8 - 1/4 (0.248 mi.)***	***S113***	***180***

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 02/21/2018 has revealed that there is 1 FINDS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PLASKON ELECTRONIC, Registry ID:: 110002138990	***12270 NEBRASKA AVE.***	***0 - 1/8 (0.000 mi.)***	***B10***	***19***

ECHO: ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

A review of the ECHO list, as provided by EDR, and dated 02/25/2018 has revealed that there is 1 ECHO site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PLASKON ELECTRONIC,	***12270 NEBRASKA AVE.***	***0 - 1/8 (0.000 mi.)***	***B10***	***19***

Registry ID: 110002138990

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
COLORADO PLACE	***BROADWAY AND CLOVERF***	***WSW 1/2 - 1 (0.902 mi.)***	***154***	***342***

DRYCLEANERS: 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 cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, has revealed that there are 2 DRYCLEANERS sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BUNDY CLEANERS, INC	2139 S BUNDY DR	ESE 1/8 - 1/4 (0.198 mi.)	R67	121
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 03/16/2018				
BUNDY CLEANERS INC	***2139 S BUNDY DR***	***ESE 1/8 - 1/4 (0.198 mi.)***	***R69***	***122***
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 03/16/2018				

EMI: Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies

A review of the EMI list, as provided by EDR, and dated 12/31/2017 has revealed that there is 1 EMI site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PLASKON ELECTRONIC M	***12270 NEBRASKA AVE***	***0 - 1/8 (0.000 mi.)***	***B9***	***16***
Facility Id: 45149				

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 HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 14 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
76 PRODUCTS STATION	***11954 SANTA MONICA***	***NNW 1/4 - 1/2 (0.433 mi.)***	***AE139***	***224***
Reg Id: 900250107				
GTE BUNDY CENTRAL OF	***1450 BUNDY DR S***	***NNW 1/4 - 1/2 (0.485 mi.)***	***143***	***255***

Reg Id: 900250134				
STONER AVENUE SITE Reg Id: 19340669	***2131 STONER AVENUE***	***E 1/4 - 1/2 (0.490 mi.)***	***AF145***	***260***
ARCO POWER GAS STATI Reg Id: 900640071	***11748 OLYMPIC BLVD***	***E 1/4 - 1/2 (0.497 mi.)***	***146***	***265***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MATHEW MAY PROPERTY Reg Id: 100.315	***12312 OLYMPIC***	***SE 0 - 1/8 (0.060 mi.)***	***F26***	***45***
AMBROSE COMPANY Reg Id: 904040370	***3200 OLYMPIC***	***S 0 - 1/8 (0.088 mi.)***	***E37***	***64***
JOHN DRESCHER PROPER Reg Id: 904040270	***1815 STANFORD***	***SW 1/8 - 1/4 (0.182 mi.)***	***P63***	***115***
MOBIL #18-G8L Reg Id: 900640098	12100 OLYMPIC	ESE 1/8 - 1/4 (0.217 mi.)	R85	144
76 PRODUCTS STATION Reg Id: 900640270	12100 OLYMPIC	ESE 1/8 - 1/4 (0.217 mi.)	R88	147
GTE PLANT YARD Reg Id: 904040070	***2943 EXPOSITION BL***	***SSW 1/8 - 1/4 (0.243 mi.)***	***U108***	***171***
CHEVRON STATION 9 09 Reg Id: 900640025	***11951 W OLYMPIC BLVD***	***ESE 1/8 - 1/4 (0.248 mi.)***	***S114***	***183***
SANTA MONICA BUSINES Reg Id: 904040025	***2902 EXPOSITION BOUL***	***SSW 1/4 - 1/2 (0.283 mi.)***	***121***	***200***
SOUTHERN CA GAS CO Reg Id: 000890	***1701 STEWART***	***WSW 1/4 - 1/2 (0.407 mi.)***	***135***	***218***
WESSEN BUICK DEALER Reg Id: 900190034	3101 PICO	S 1/4 - 1/2 (0.408 mi.)	AD136	220

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 05/21/2018 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
3M LOS ANGELES DYNAC EPA Id: CAT000617621 Cleanup Status: PROTECTIVE FILER	11915 W OLYMPIC BLVD	ESE 1/4 - 1/2 (0.286 mi.)	Y122	204

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EXECUTIVE SUMMARY

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 2 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
GETTY AGRICULTURAL B	12233 W OLYMPIC BLVD	ESE 0 - 1/8 (0.072 mi.)	G32	50
KENDALL HAROLD H	3154 OLYMPIC BLVD	SSW 0 - 1/8 (0.094 mi.)	I39	67

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 2 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

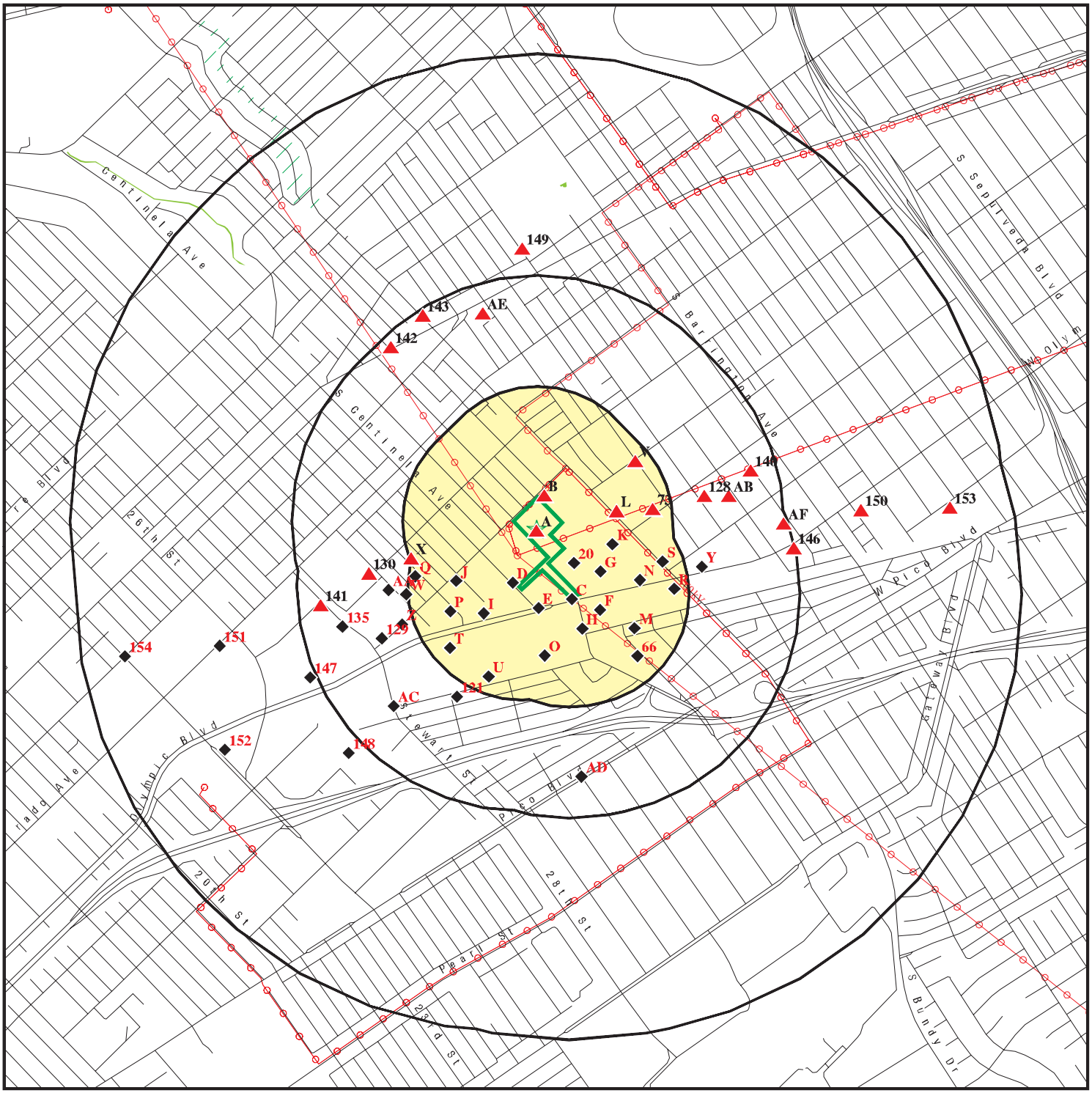
Lower Elevation	Address	Direction / Distance	Map ID	Page
SHAIHOE WONG	3266 OLYMPIC BLVD	S 0 - 1/8 (0.060 mi.)	E24	44
THOMPSON J V	3278 OLYMPIC BLVD	S 0 - 1/8 (0.062 mi.)	E30	48

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

Site Name	Database(s)
HIGHLAND ENG. CO.	SEMS-ARCHIVE
WARD OIL	SEMS-ARCHIVE

OVERVIEW MAP - 5411218.2S



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

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

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: LADWP	CLIENT: Dudek & Associates
ADDRESS: 12300 Nebraska Avenue Los Angeles CA 90025	CONTACT: Susan Smith
LAT/LONG: 34.033937 / 118.459219	INQUIRY #: 5411218.2s
	DATE: August 31, 2018 11:50 am

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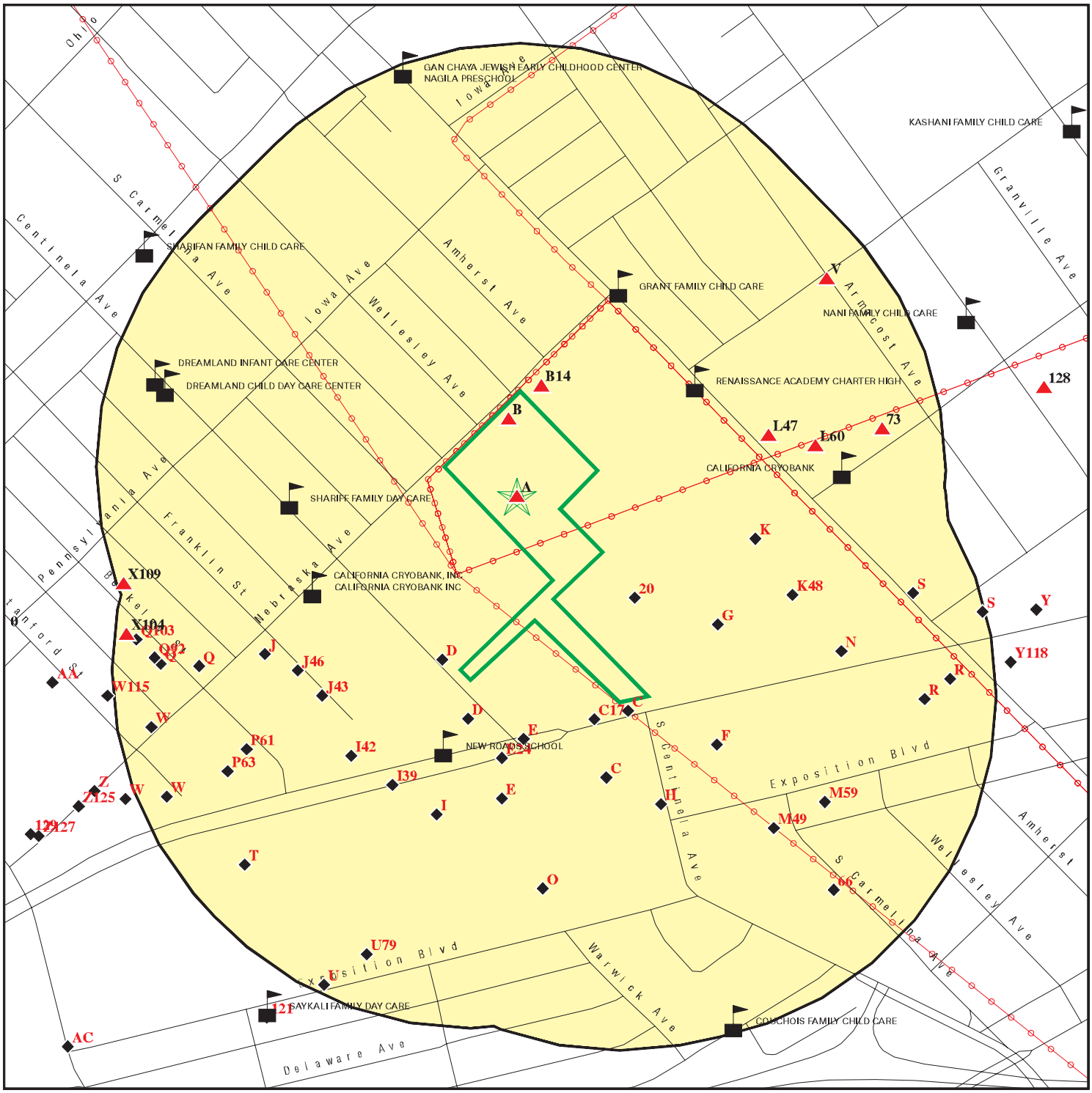
DETAIL MAP - 5411218.2S



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

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

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: LADWP	CLIENT: Dudek & Associates
ADDRESS: 12300 Nebraska Avenue Los Angeles CA 90025	CONTACT: Susan Smith INQUIRY #: 5411218.2s
LAT/LONG: 34.033937 / 118.459219	DATE: August 31, 2018 11:51 am

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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	0.001		0	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	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		3	15	12	NR	NR	30
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	1	NR	NR	1
Federal RCRA generators list								
RCRA-LQG	0.250	1	1	0	NR	NR	NR	2
RCRA-SQG	0.250		5	13	NR	NR	NR	18
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	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	1	NR	1
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		2	7	5	8	NR	22
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		2	5	10	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
CPS-SLIC	0.500		6	1	3	NR	NR	10
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		3	4	NR	NR	NR	7
AST	0.250	1	5	1	NR	NR	NR	7
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		1	0	1	NR	NR	2
State and tribal Brownfields sites								
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								
WMUDS/SWAT	0.500		0	0	1	NR	NR	1
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	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								
AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		1	0	NR	NR	NR	1
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	1	NR	NR	NR	1
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250	1	6	9	NR	NR	NR	16
HIST UST	0.250		4	13	NR	NR	NR	17
CA FID UST	0.250	1	7	9	NR	NR	NR	17
CERS TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	0.001		0	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	0.001		0	NR	NR	NR	NR	0
DEED	0.500		1	0	1	NR	NR	2
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	2	NR	NR	NR	3
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	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001	3	1	NR	NR	NR	NR	4
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001	1	1	NR	NR	NR	NR	2
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	1	NR	1
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	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
DRYCLEANERS	0.250		0	2	NR	NR	NR	2
EMI	0.001		1	NR	NR	NR	NR	1
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001	2	0	NR	NR	NR	NR	2
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		2	5	7	NR	NR	14
LOS ANGELES CO. HMS	0.001		0	NR	NR	NR	NR	0
HWP	1.000		0	0	1	0	NR	1
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.001		0	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	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	0.125		2	NR	NR	NR	NR	2
EDR Hist Cleaner	0.125		2	NR	NR	NR	NR	2
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		10	57	88	42	10	0	207

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 Target Property | **WEST LA SERVICE CENTER**
12300 NEBRASKA AVENUE
LOS ANGELES, CA 90025 | **FINDS** | **1014671558**
ECHO | **N/A**

Site 1 of 8 in cluster A

Actual: 162 ft.

FINDS:

Registry ID: 110042272705

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: 1014671558
Registry ID: 110042272705
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110042272705

A2 Target Property | **WEST LA SERVICE CENTER**
12300 NEBRASKA AVENUE
LOS ANGELES, CA 90025 | **RCRA-LQG** | **1000597317**
CAD983613225

Site 2 of 8 in cluster A

Actual: 162 ft.

RCRA-LQG:
Date form received by agency: 06/09/2010
Facility name: WEST LA SERVICE CENTER
Facility address: 12300 NEBRASKA AVENUE
LOS ANGELES, CA 90025
EPA ID: CAD983613225
Mailing address: 111 NORTH HOPE STREET
ROOM 1050
LOS ANGELES, CA 90012
Contact: MARK J SEDLACEK
Contact address: 111 NORTH HOPE STREET ROOM 1050
LOS ANGELES, CA 90012
Contact country: US
Contact telephone: 213-367-0403
Contact email: MARK.SEDLACEK@LADWP.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

WEST LA SERVICE CENTER (Continued) **1000597317**

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:	MARK J. SEDLACEK
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:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1949
Owner/Op end date:	Not reported

Owner/operator name:	LA DEPT OF WATER AND POWER
Owner/operator address:	111 N HOPE ST RM 1121 LOS ANGELES, CA 90012
Owner/operator country:	Not reported
Owner/operator telephone:	213-481-3250
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	LA DEPT. OF WATER & POWER
Owner/operator address:	111 NORTH HOPE STREET ROOM 1050 LOS ANGELES, CA 90012
Owner/operator country:	US
Owner/operator telephone:	213-367-0403
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1949
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

WEST LA SERVICE CENTER (Continued) **1000597317**

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: Other inorganic solid waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. 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.

. 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.

. Waste code: D008
. Waste name: LEAD

Historical Generators:
Date form received by agency: 10/23/1991
Site name: WEST LA SVC CTR
Classification: Small Quantity Generator

Violation Status: No violations found

A3 Target Property **L A DWP/WEST LA DISTRIBUTION HDQTRS** **HAZNET** **S113038464**
12300 NEBRASKA AVE **N/A**
LOS ANGELES, CA 90025

Site 3 of 8 in cluster A

Actual: 162 ft.

HAZNET:
envid: S113038464
Year: 2008
GEPAID: CAL000042127
Contact: EDWARD KARAPETIAN/ENV MGR
Telephone: 2134817962
Mailing Name: Not reported
Mailing Address: 111 N HOPE ST #1121

L A DWP/WEST LA DISTRIBUTION HDQTRS (Continued) **S113038464**

Mailing City,St,Zip:	LOS ANGELES, CA 900120000
Gen County:	Not reported
TSD EPA ID:	ALD963167891
TSD County:	Not reported
Waste Category:	Polychlorinated biphenyls and material containing PCBs
Disposal Method:	Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons:	2.7135
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113038464
Year:	2008
GEPAID:	CAL000042127
Contact:	EDWARD KARAPETIAN/ENV MGR
Telephone:	2134817962
Mailing Name:	Not reported
Mailing Address:	111 N HOPE ST #1121
Mailing City,St,Zip:	LOS ANGELES, CA 900120000
Gen County:	Not reported
TSD EPA ID:	ALD963167891
TSD County:	Not reported
Waste Category:	Liquids with polychloronated biphenyls >= 50 Mg./L
Disposal Method:	Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons:	0.22481
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113038464
Year:	2008
GEPAID:	CAL000042127
Contact:	EDWARD KARAPETIAN/ENV MGR
Telephone:	2134817962
Mailing Name:	Not reported
Mailing Address:	111 N HOPE ST #1121
Mailing City,St,Zip:	LOS ANGELES, CA 900120000
Gen County:	Not reported
TSD EPA ID:	ALD963167891
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons:	24.9325
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

A4 Target Property **WEST LOS ANGELES SERVICE CENTER** **FINDS** **1023252686**
12300 NEBRASKA AVE **N/A**
LOS ANGELES, CA 90025

Site 4 of 8 in cluster A

Actual: 162 ft.

FINDS:

Registry ID: 110065414634

Environmental Interest/Information System

WEST LOS ANGELES SERVICE CENTER (Continued) **1023252686**

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A5 Target Property | **W LOS ANGELES DISTRIBUTION HQ** | **SWEEPS UST** | **S101585975**
12300 NEBRASKA AVE | **CA FID UST** | **N/A**
LOS ANGELES, CA 90025

Site 5 of 8 in cluster A

Actual: 162 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	6108
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
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

CA FID UST:

Facility ID:	19035199
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2134815516
Mail To:	Not reported
Mailing Address:	12300 NEBRASKA AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900250000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

A6 Target Property | **WEST LOS ANGELES SERVICE CENTER**
12300 NEBRASKA AVE
LOS ANGELES, CA 90025 | **AST** | **A100426150**
N/A

Site 6 of 8 in cluster A

Actual: 162 ft.

AST:

Certified Unified Program Agencies:	Not reported
Owner:	Los Angeles Department of Water and Power
Total Gallons:	Not reported
CERSID:	10029907
Facility ID:	19-051-000806
Business Name:	Los Angeles Department of Water and Power
Phone:	213-367-0403
Fax:	Not reported
Mailing Address:	111 North Hope Street, Room 1050
Mailing Address City:	Los Angeles
Mailing Address State:	CA
Mailing Address Zip Code:	90012
Operator Name:	Los Angeles Department of Water and Power
Operator Phone:	213-367-0403
Owner Phone:	213-367-0403
Owner Mail Address:	111 North Hope Street, Room 1050
Owner State:	CA
Owner Zip Code:	90012
Owner Country:	United States
Property Owner Name:	Los Angeles Department of Water and Power
Property Owner Phone:	213-367-0403
Property Owner Mailing Address:	111 North Hope Street, Room 1050
Property Owner City:	Los Angeles
Property Owner Stat :	CA
Property Owner Zip Code:	90012
Property Owner Country:	United States
EPAID:	CAD983613225

A7 Target Property | **LA DEPARTMENT WATER & POWER**
12300 NEBRASKA AVE
LOS ANGELES, CA 90025 | **FINDS** | **1007739266**
N/A

Site 7 of 8 in cluster A

Actual: 162 ft.

FINDS:

Registry ID: 110019000873

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A8 Target Property | **LA DEPARTMENT WATER & POWER**
12300 NEBRASKA AVE
LOS ANGELES, CA 90025 | **HAZNET** | **S113018107**
N/A

Site 8 of 8 in cluster A

Actual: 162 ft.

HAZNET:

envid:	S113018107
Year:	2016
GEPAID:	CAD983613225
Contact:	JENNIFER MADDEN
Telephone:	2133670470
Mailing Name:	Not reported
Mailing Address:	111 N HOPE ST RM 1050
Mailing City,St,Zip:	LOS ANGELES, CA 900122607
Gen County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.575
Cat Decode:	Unspecified oil-containing waste
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

envid:	S113018107
Year:	2016
GEPAID:	CAD983613225
Contact:	JENNIFER MADDEN
Telephone:	2133670470
Mailing Name:	Not reported
Mailing Address:	111 N HOPE ST RM 1050
Mailing City,St,Zip:	LOS ANGELES, CA 900122607
Gen County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1225
Cat Decode:	Other organic solids
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

envid:	S113018107
Year:	2016
GEPAID:	CAD983613225
Contact:	JENNIFER MADDEN
Telephone:	2133670470
Mailing Name:	Not reported
Mailing Address:	111 N HOPE ST RM 1050
Mailing City,St,Zip:	LOS ANGELES, CA 900122607
Gen County:	Los Angeles
TSD EPA ID:	CAD980675276
TSD County:	Kern
Waste Category:	Other inorganic solid waste

LA DEPARTMENT WATER & POWER (Continued) **S113018107**

Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	117.992
Cat Decode:	Other inorganic solid waste
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:	S113018107
Year:	2016
GEPAID:	CAD983613225
Contact:	JENNIFER MADDEN
Telephone:	2133670470
Mailing Name:	Not reported
Mailing Address:	111 N HOPE ST RM 1050
Mailing City,St,Zip:	LOS ANGELES, CA 900122607
Gen County:	Los Angeles
TSD EPA ID:	NVT330010000
TSD County:	99
Waste Category:	Other inorganic solid waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	1.4875
Cat Decode:	Other inorganic solid waste
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:	S113018107
Year:	2016
GEPAID:	CAD983613225
Contact:	JENNIFER MADDEN
Telephone:	2133670470
Mailing Name:	Not reported
Mailing Address:	111 N HOPE ST RM 1050
Mailing City,St,Zip:	LOS ANGELES, CA 900122607
Gen County:	Los Angeles
TSD EPA ID:	CAT000613935
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.735
Cat Decode:	Aqueous solution with total organic residues less than 10 percent
Method Decode:	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
331 additional CA_HAZNET: record(s) in the EDR Site Report.

B9 **PLASKON ELECTRONIC MATL CO INC** **SWEEPS UST** **1000383162**
12270 NEBRASKA AVE **HIST UST** **CAD008375487**
< 1/8 **LOS ANGELES, CA 90025** **CA FID UST**
1 ft. **RCRA NonGen / NLR**
Site 1 of 3 in cluster B **EMI**

Relative:
Higher

Actual:
165 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	1046
Number:	Not reported
Board Of Equalization:	44-011555
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001046-000001
Tank Status:	Not reported
Capacity:	7500
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	2

Status:	Not reported
Comp Number:	1046
Number:	Not reported
Board Of Equalization:	44-011555
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001046-000002
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	Not reported

HIST UST:

File Number:	00027D63
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027D63.pdf
Region:	STATE
Facility ID:	00000016949
Facility Type:	Other
Other Type:	MFG.
Contact Name:	J.W. CARLYLE
Telephone:	2132724471
Owner Name:	PLASKON ELECTRONIC MATERIALS,
Owner Address:	2829 GLENDALE AVE.
Owner City,St,Zip:	TOLEDO, OH 43614
Total Tanks:	0002

Tank Num:	001
Container Num:	308
Year Installed:	1959
Tank Capacity:	00007500

PLASKON ELECTRONIC MATL CO INC (Continued) **1000383162**

Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, Vapor Sniff Well

Tank Num:	002
Container Num:	563
Year Installed:	1978
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	10
Leak Detection:	Visual, Stock Inventor

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	19028508
Regulated By:	UTNKI
Regulated ID:	00016949
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2132724471
Mail To:	Not reported
Mailing Address:	2829 GLENDALE AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900250000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

RCRA NonGen / NLR:

Date form received by agency:	07/10/1980
Facility name:	PLASKON ELECTRONIC MATL CO INC
Facility address:	12270 NEBRASKA AVE LOS ANGELES, CA 90025
EPA ID:	CAD008375487
Mailing address:	NEBRASKA AVE LOS ANGELES, CA 90025
Contact:	ENVIRONMENTAL MANAGER
Contact address:	12270 NEBRASKA AVE LOS ANGELES, CA 90025
Contact country:	US
Contact telephone:	213-272-4471
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	PLASKON ELECTRONIC MATL CO INC
Owner/operator address:	NOT REQUIRED

PLASKON ELECTRONIC MATL CO INC (Continued) **1000383162**

	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

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	45149
Air District Name:	SC
SIC Code:	308
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:	18
Reactive Organic Gases Tons/Yr:	18
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0

PLASKON ELECTRONIC MATL CO INC (Continued) **1000383162**

SOX - Oxides of Sulphur Tons/Yr: 2
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

B10 **PLASKON ELECTRONIC, MATERIALS INC** **FINDS** **1016068790**
12270 NEBRASKA AVE. **ECHO** **N/A**
< 1/8 **LOS ANGELES, CA 90025**
1 ft.

Site 2 of 3 in cluster B

Relative: Higher
Actual: 165 ft.

FINDS:

Registry ID: 110002138990

Environmental Interest/Information System
US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

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: 1016068790
Registry ID: 110002138990
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002138990

C11 **UNK** **SWEEPS UST** **S101585767**
SSE **12333 OLYMPIC BLVD** **CA FID UST** **N/A**
< 1/8 **LOS ANGELES, CA 90015**
0.007 mi.
38 ft.

Site 1 of 6 in cluster C

Relative: Lower
Actual: 156 ft.

SWEEPS UST:
Status: Not reported
Comp Number: 7832
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
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

UNK (Continued) **S101585767**

STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 19029080
Regulated By: UTNKI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2130000000
Mail To: Not reported
Mailing Address: UNK
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900150000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

C12 **HUDSON ELEMENT LA** **CPS-SLIC** **S113804548**
SSE **12333 WEST OLYMPIC BLVD** **N/A**
< 1/8 **LOS ANGELES, CA 90064**
0.007 mi.
38 ft. **Site 2 of 6 in cluster C**

Relative:
Lower

Actual:
156 ft.

CPS-SLIC:
Region: STATE
Facility Status: **Open - Site Assessment**
Status Date: 01/26/2015
Global Id: SL2046M1652
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.0319808759383
Longitude: -118.456585407257
Case Type: Cleanup Program Site
Case Worker: RO
Local Agency: Not reported
RB Case Number: 0850A
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Other Groundwater (uses other than drinking water), Soil, Soil Vapor
Potential Contaminants of Concern: Not reported
Site History: The primary structure at the Site was originally constructed and utilized by Packard Bell for the manufacture of radios and televisions. Reportedly Packard Bell maintained boilers, an incinerator, a shaving bin and stored paint and solvents on the site. By 1970, the property was being operated by Teledyne for the manufacture of electronic devices for aviation purposes. These operations involved circuit board assembly, thermal testing, computer testing, vibration testing, and machining. Solvents, petroleum hydrocarbons, and other hazardous raw and waste products were utilized and/or produced during Teledynes manufacturing processes. According to a previous environmental assessment report prepared by

HUDSON ELEMENT LA (Continued) **S113804548**

Glenfos in June 1995, information concerning underground storage tanks (USTs) utilized by Teledyne is available with the County of Los Angeles Fire Department. Reportedly, four USTs were removed from the northeast corner of the Teledyne building in 1990. The USTs reportedly contained diesel fuel, gasoline, and mineral oil. The UST removal was documented in a report entitled Tank Removal Report, prepared by A&S Environmental Recovery, 14 February 1990. Subsequent soil investigations were conducted at the property by Ebasco Environmental in June 1990, and a closure letter was received by Teledyne Controls from the Los Angeles Fire Department in July 1990. Teledyne vacated the site in September 2007. Several physical structures of note remain at the Site. These structures include: A enclosed former chamber area in the shipping and receiving area adjacent to the cafeteria; An exterior hazardous chemical storage area; A pump house with an existing internal combustion engine and oil/grease staining; A four-stage clarifier in the facilities area; A detached shed containing possible UST vent pipes, and older single-stage clarifier, remnant hydraulic lift features, a concrete patch area (possibly indicating a former excavation), dark stained areas, and an exterior pipe (which appeared to be a fill port that may have been associated with an UST); and Sinks, sumps and piping of unknown use along the northwestern wall of the primary structure. Soil removal activities are dependent on the demolition of the existing structures on the site. The demolition activities are in turn dependent upon the City of Los Angeles entitlements for the planned new development at the site. The City entitlement process has been delayed. As such, the demolition and subsequent removal activities will likewise need to be deferred until the Citys entitlement process is completed.

Click here to access the California GeoTracker records for this facility:

C13 **AGI PROPERTIES** **CPS-SLIC** **S104549300**
SSE **12333 OLYMPIC** **N/A**
< 1/8 **LOS ANGELES, CA 90048**
0.013 mi.
70 ft. **Site 3 of 6 in cluster C**

Relative: **Lower**
Actual: **156 ft.**

SLIC REG 4:

Region:	4
Facility Status:	Site Assessment
SLIC:	0850
Substance:	VOCs
Staff:	PGN

B14 **12210 1/2 NEBRASKA AVENUE PROPERTY** **ENVIROSTOR** **S109548374**
NNE **12210 1/2 NEBRASKA AVENUE** **VCP** **N/A**
< 1/8 **LOS ANGELES, CA 90025**
0.014 mi.
73 ft. **Site 3 of 3 in cluster B**

Relative: **Higher**
Actual: **167 ft.**

ENVIROSTOR:

Facility ID:	60001101
Status:	Refer: RWQCB
Status Date:	05/27/2010
Site Code:	301413

12210 1/2 NEBRASKA AVENUE PROPERTY (Continued) **S109548374**

Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	1.5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Rita Kamat
Division Branch:	Cleanup Chatsworth
Assembly:	50
Senate:	26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.03524
Longitude:	-118.4588
APN:	4259-018-002, 4259018002
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	Trichloroethylene (TCE Chloroform
Confirmed COC:	Trichloroethylene (TCE Chloroform
Potential Description:	AQUI, IA, SOIL, SV
Alias Name:	4259-018-002
Alias Type:	APN
Alias Name:	4259018002
Alias Type:	APN
Alias Name:	301413
Alias Type:	Project Code (Site Code)
Alias Name:	60001101
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	05/13/2010
Comments:	CRU memo sent. VCA was terminated prior to site clean completion due noncompliance with terms of VCA. Site referred to Water Board.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Amendment - Order/Agreement
Completed Date:	12/16/2009
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	09/16/2009
Comments:	Documents reviewed. Further action required.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	12/07/2009
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

12210 1/2 NEBRASKA AVENUE PROPERTY (Continued) **S109548374**

Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 05/13/2010
Comments: RI was not accepted. VCA Terminated on 5/13/2010. Site referred to Water Board.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 05/27/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/21/2016
Comments: Case Transfer Letter to LA Regional Water Quality Control Board

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 04/17/2009
Comments: VCA signed

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: 60001101
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Rita Kamat
Division Branch: Cleanup Chatsworth
Site Code: 301413
Assembly: 50
Senate: 26
Special Programs Code: Voluntary Cleanup Program
Status: Refer: RWQCB
Status Date: 05/27/2010
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.03524 / -118.4588
APN: 4259-018-002, 4259018002

12210 1/2 NEBRASKA AVENUE PROPERTY (Continued) **S109548374**

Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	30027, 30136
Confirmed COC:	30027,30136
Potential Description:	AQUI, IA, SOIL, SV
Alias Name:	4259-018-002
Alias Type:	APN
Alias Name:	4259018002
Alias Type:	APN
Alias Name:	301413
Alias Type:	Project Code (Site Code)
Alias Name:	60001101
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	05/13/2010
Comments:	CRU memo sent. VCA was terminated prior to site clean completion due noncompliance with terms of VCA. Site referred to Water Board.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Amendment - Order/Agreement
Completed Date:	12/16/2009
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	09/16/2009
Comments:	Documents reviewed. Further action required.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	12/07/2009
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Report
Completed Date:	05/13/2010
Comments:	RI was not accepted. VCA Terminated on 5/13/2010. Site referred to Water Board.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement Termination Notification
Completed Date:	05/27/2010
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	03/21/2016
Comments:	Case Transfer Letter to LA Regional Water Quality Control Board

12210 1/2 NEBRASKA AVENUE PROPERTY (Continued) **S109548374**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	04/17/2009
Comments:	VCA signed
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

D15
SSW
< 1/8
0.015 mi.
78 ft.

DEPARTMENT OF WATER AND POWER
1840 CENTINELA AVE
LOS ANGELES, CA 90025

CA FID UST **S101587568**
EMI **N/A**
NPDES
CIWQS

Site 1 of 4 in cluster D

Relative:
Lower

Actual:
158 ft.

CA FID UST:

Facility ID:	19055770
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2134817962
Mail To:	Not reported
Mailing Address:	111 N HOPE ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900250000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

EMI:

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	68455
Air District Name:	SC
SIC Code:	4941
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

DEPARTMENT OF WATER AND POWER (Continued) **S101587568**

Part. Matter 10 Micrometers and Smllr Tons/Yr:0

NPDES:

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 19C364559
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
Discharge Zip:	Not reported
Status:	Active
Status Date:	09/12/2012
Operator Name:	Los Angeles Department of Water and Power Power
Operator Address:	111 North Hope Street Room 1213
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90012

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	429629
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C364559
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/12/2012
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Los Angeles Department of Water and Power Power
Discharge Address:	111 North Hope Street Room 1213
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90012
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

DEPARTMENT OF WATER AND POWER (Continued) **S101587568**

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
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	429629
Order Number:	Not reported
Regulatory Measure Type:	Construction

DEPARTMENT OF WATER AND POWER (Continued) **S101587568**

Place ID:	Not reported
WDID:	4 19C364559
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:	08/30/2012
Processed Date:	09/12/2012
Status:	Active
Status Date:	09/12/2012
Place Size:	4
Place Size Unit:	Acres
Contact:	Jonathan Ma
Contact Title:	Environmental Engineering Associate
Contact Phone:	213-367-2186
Contact Phone Ext:	Not reported
Contact Email:	Jonathan.Ma@ladwp.com
Operator Name:	Los Angeles Department of Water and Power Power
Operator Address:	111 North Hope Street Room 1213
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90012
Operator Contact:	Katherine Rubin
Operator Contact Title:	Manager Wastewater Quality and Compliance
Operator Contact Phone:	213-367-0436
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	katherine.rubin@ladwp.com
Operator Type:	Other
Developer:	Los Angeles Department of Water and Power Water
Developer Address:	111 N Hope St Rm 1213
Developer City:	Los Angeles
Developer State:	California
Developer Zip:	90012
Developer Contact:	Katherine Rubin
Developer Contact Title:	Manager Wastewater Quality and Compliance
Constype Linear Utility Ind:	Y
Emergency Phone:	213-367-2186
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:	N
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

DEPARTMENT OF WATER AND POWER (Continued) **S101587568**

Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Ballona Creek
Certifier:	Katherine Rubin
Certifier Title:	Manager Wastewater Quality and Compliance
Certification Date:	30-AUG-12
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Facility Status:	Active
NPDES Number:	CAS000002
Region:	4
Agency Number:	0
Regulatory Measure ID:	429629
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	4 19C364559
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/12/2012
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	111 North Hope Street Room 1213
Discharge Name:	Los Angeles Department of Water and Power Power
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90012
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:	CAS000002
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	429629
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C364559
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/12/2012
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Los Angeles Department of Water and Power Power
Discharge Address:	111 North Hope Street Room 1213
Discharge City:	Los Angeles

DEPARTMENT OF WATER AND POWER (Continued) **S101587568**

Discharge State:	California
Discharge Zip:	90012
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

DEPARTMENT OF WATER AND POWER (Continued) **S101587568**

Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	429629
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C364559
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:	08/30/2012
Processed Date:	09/12/2012
Status:	Active
Status Date:	09/12/2012
Place Size:	4
Place Size Unit:	Acres
Contact:	Jonathan Ma
Contact Title:	Environmental Engineering Associate
Contact Phone:	213-367-2186
Contact Phone Ext:	Not reported
Contact Email:	Jonathan.Ma@ladwp.com
Operator Name:	Los Angeles Department of Water and Power Power
Operator Address:	111 North Hope Street Room 1213
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90012
Operator Contact:	Katherine Rubin
Operator Contact Title:	Manager Wastewater Quality and Compliance
Operator Contact Phone:	213-367-0436
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	katherine.rubin@ladwp.com
Operator Type:	Other
Developer:	Los Angeles Department of Water and Power Water
Developer Address:	111 N Hope St Rm 1213
Developer City:	Los Angeles
Developer State:	California
Developer Zip:	90012
Developer Contact:	Katherine Rubin
Developer Contact Title:	Manager Wastewater Quality and Compliance
Constype Linear Utility Ind:	Y
Emergency Phone:	213-367-2186
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

DEPARTMENT OF WATER AND POWER (Continued) **S101587568**

Constype Commertial Ind:	N
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:	Ballona Creek
Certifier:	Katherine Rubin
Certifier Title:	Manager Wastewater Quality and Compliance
Certification Date:	30-AUG-12
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Agency:	Los Angeles Department of Water and Power Power
Agency Address:	111 North Hope Street Room 1213, Los Angeles, CA 90012
Place/Project Type:	Construction
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C364559
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	09/12/2012
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:	34.03286
Longitude:	-118.46058

D16 **RECEIVING STATION K** **AST** **A100423786**
SSW **1840 S CENTINELA AVE** **N/A**
< 1/8 **LOS ANGELES, CA 90025**
0.015 mi.
78 ft. **Site 2 of 4 in cluster D**

Relative:
Lower

Actual:
158 ft.

AST:

Certified Unified Program Agencies:	Not reported
Owner:	Los Angeles Department of Water and Power
Total Gallons:	Not reported

RECEIVING STATION K (Continued) **A100423786**

CERSID:	10029937
Facility ID:	19-051-005248
Business Name:	Los Angeles Department of Water and Power
Phone:	213-367-0403
Fax:	Not reported
Mailing Address:	111 North Hope Street, Room 1050
Mailing Address City:	Los Angeles
Mailing Address State:	CA
Mailing Address Zip Code:	90012
Operator Name:	Michael Mundo
Operator Phone:	213-367-0403
Owner Phone:	213-367-0403
Owner Mail Address:	111 North Hope Street, Room 1050
Owner State:	CA
Owner Zip Code:	90012
Owner Country:	United States
Property Owner Name:	Los Angeles Department of Water and Power
Property Owner Phone:	213-367-0403
Property Owner Mailing Address:	111 North Hope Street, Room 1050
Property Owner City:	Los Angeles
Property Owner Stat :	CA
Property Owner Zip Code:	90012
Property Owner Country:	United States
EPAID:	CAD983613225

C17 **GLASER TRUST/WERNER WALFEN** **SWEEPS UST** **S101583853**
SSE **12401 OLYMPIC BLVD** **CA FID UST** **N/A**
< 1/8 **LOS ANGELES, CA 90001**
0.021 mi.
113 ft. **Site 4 of 6 in cluster C**

Relative:
Lower

Actual:
156 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	6159
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
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

CA FID UST:

Facility ID:	19006808
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2132771010
Mail To:	Not reported

GLASER TRUST/WERNER WALFEN (Continued) **S101583853**

Mailing Address:	12401 OLYMPIC BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900010000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

D18 **MEDICAL CHEMICAL CORPORATION** **SWEEPS UST** **1000246738**
SSW **1909 CENTINELA AVE** **HIST UST** **N/A**
< 1/8 **SANTA MONICA, CA 90404** **CA FID UST**
0.028 mi.
147 ft. **Site 3 of 4 in cluster D**

Relative:
Lower

Actual:
156 ft.

SWEEPS UST:

Status:	Active
Comp Number:	60891
Number:	1
Board Of Equalization:	44-010580
Referral Date:	02-12-91
Action Date:	02-12-91
Created Date:	02-29-88
Owner Tank Id:	1
SWRCB Tank Id:	19-033-060891-000001
Tank Status:	A
Capacity:	7750
Active Date:	02-12-91
Tank Use:	CHEMICAL
STG:	P
Content:	ISOPROPANOL
Number Of Tanks:	1

HIST UST:

File Number:	00027B81
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027B81.pdf
Region:	STATE
Facility ID:	00000041236
Facility Type:	Other
Other Type:	Not reported
Contact Name:	LOUIS LIZARDI
Telephone:	2138294304
Owner Name:	MEDICAL CHEMICAL CORP.
Owner Address:	1909 CENTINELA AVE.
Owner City,St,Zip:	SANTA MONICA, CA 90404
Total Tanks:	0001
Tank Num:	001
Container Num:	88MUG35
Year Installed:	1976
Tank Capacity:	00007730
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor

MEDICAL CHEMICAL CORPORATION (Continued) **1000246738**

Tank Num:	001
Container Num:	1
Year Installed:	1976
Tank Capacity:	00007730
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor

Tank Num:	001
Container Num:	1
Year Installed:	1976
Tank Capacity:	00007730
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor

Tank Num:	001
Container Num:	88MUG35
Year Installed:	1976
Tank Capacity:	00007730
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	19028615
Regulated By:	UTNKA
Regulated ID:	00060891
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2138294304
Mail To:	Not reported
Mailing Address:	1909 CENTINELA AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	SANTA MONICA 90404
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

D19 SSW < 1/8 0.028 mi. 147 ft. | **BOEING CO.**
1909 CENTINELA
SANTA MONICA, CA 90404
Site 4 of 4 in cluster D | **CPS-SLIC** | **S104404769**
N/A

Relative: Lower
Actual: 156 ft.

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	06/30/2011
Global Id:	SL0603761453
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.031558
Longitude:	-118.459916
Case Type:	Cleanup Program Site
Case Worker:	PR
Local Agency:	Not reported
RB Case Number:	0130D
File Location:	Regional Board
Potential Media Affected:	Under Investigation, Well used for drinking water supply
Potential Contaminants of Concern:	Other Chlorinated Hydrocarbons
Site History:	The Boeing Company (Boeing) formerly leased the property (as Douglas Aircraft) from 1952 to the early 1970s. Little is known regarding historical operations at the Supercharger Facility, except that aircraft components were tested there. Potential sources at the site include: 1) a clarifier that was located outside the building in the southwest corner of the Site ; 2) a generator room on the northwest corner of the building was added to the building in 1956; 3) 7 isopropyl alcohol (IPA) above-ground storage tanks (ASTs) that were located on the west side of the site it is not clear if Boeing used the ASTs, but they were used after Boeings tenancy by Medical Chemical Corporation; and 4) an underground storage tank (UST) that contained IPA that was operated and maintained after Boeings tenancy by Medical Chemical Corporation. At the time of the soil vapor sampling described below, the ASTs and the UST had been removed from the site. Based on the presence of coarse gravel backfill encountered in boring drilled through the former location of the clarifier and UST, these potential source features no longer exist and were removed from the site sometime prior to 2000.

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:

Region:	4
Facility Status:	No further action required
SLIC:	0130D
Substance:	VOCs
Staff:	John Geroch

20 SE < 1/8 0.040 mi. 209 ft. | **TELEDYNE CONTROLS S B U OF T T INC**
12333 W OLYMPIC BLVD
LOS ANGELES, CA 90064 | **RCRA-SQG**
EMI | **1000201841**
CAD038179842

Relative: Lower

Actual: 158 ft.

RCRA-SQG:

Date form received by agency:	01/15/2004
Facility name:	TELEDYNE CONTROLS S B U OF T T INC
Facility address:	12333 W OLYMPIC BLVD LOS ANGELES, CA 90064-1021
EPA ID:	CAD038179842
Contact:	RAY L COLE
Contact address:	12333 W OLYMPIC BLVD LOS ANGELES, CA 90064-1021
Contact country:	US
Contact telephone:	310-820-4616
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:	TELEDYNE CONTROLS
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:	01/04/1980
Owner/Op end date:	Not reported

Owner/operator name:	STONEBRIDGE HOLDING INC
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:	Owner
Owner/Op start date:	03/31/2003
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

TELEDYNE CONTROLS S B U OF T T INC (Continued) **1000201841**

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 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.

. 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.

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. 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.

. 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.

TELEDYNE CONTROLS S B U OF T T INC (Continued) **1000201841**

Historical Generators:

Date form received by agency: 08/08/2000
Site name: TELEDYNE CONTROLS S B U OF T T I
Classification: Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. 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.

. 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.

. 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.

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Date form received by agency: 09/01/1996
Site name: TELEDYNE CONTROLS S B U OF T T I
Classification: Small Quantity Generator

Violation Status: No violations found

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 11346
Air District Name: SC
SIC Code: 3825
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported

TELEDYNE CONTROLS S B U OF T T INC (Continued) **1000201841**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
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:	1990
County Code:	19
Air Basin:	SC
Facility ID:	11346
Air District Name:	SC
SIC Code:	3825
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:	13
Reactive Organic Gases Tons/Yr:	5
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:	1995
County Code:	19
Air Basin:	SC
Facility ID:	11346
Air District Name:	SC
SIC Code:	3825
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:	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

Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	11346
Air District Name:	SC
SIC Code:	3825
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

TELEDYNE CONTROLS S B U OF T T INC (Continued) **1000201841**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

C21 **HORNBURG JAQUAA, INC** **SWEEPS UST** **S101585964**
SSE **3300 OLYMPIC BLVD** **CA FID UST** **N/A**
< 1/8 **SANTA MONICA, CA 90401**
0.055 mi.
290 ft. **Site 5 of 6 in cluster C**

Relative:
Lower

Actual:
154 ft.

SWEEPS UST:

Status:	Active
Comp Number:	16
Number:	1
Board Of Equalization:	Not reported
Referral Date:	04-05-90
Action Date:	04-05-90
Created Date:	01-12-90
Owner Tank Id:	016-01
SWRCB Tank Id:	19-033-000016-000001
Tank Status:	A
Capacity:	500
Active Date:	01-12-90
Tank Use:	UNKNOWN
STG:	W
Content:	WASTE COOLAN
Number Of Tanks:	2

Status:	Active
Comp Number:	16
Number:	1
Board Of Equalization:	Not reported
Referral Date:	04-05-90
Action Date:	04-05-90
Created Date:	01-12-90
Owner Tank Id:	016-02
SWRCB Tank Id:	19-033-000016-000001
Tank Status:	A
Capacity:	1000
Active Date:	04-05-90
Tank Use:	OIL
STG:	W
Content:	WASTE OIL
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	19034925
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2138289719
Mail To:	Not reported
Mailing Address:	3200 OLYMPIC BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	SANTA MONICA 90401
Contact:	Not reported
Contact Phone:	Not reported

HORNBURG JAQUAA, INC (Continued) **S101585964**

DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

C22 SSE < 1/8 0.055 mi. 290 ft. **HORNBURG JAGUAR** **AST** **A100339112**
3300 OLYMPIC BLVD **N/A**
SANTA MONICA, CA

Site 6 of 6 in cluster C

Relative: Lower

Actual: 154 ft.

AST:

Certified Unified Program Agencies:	Santa Monica
Owner:	Hornburg Jaguar
Total Gallons:	1,320
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

E23 South < 1/8 0.057 mi. 301 ft. **SANTA MONICA WELL FIELD** **SEMS-ARCHIVE** **1000395259**
OLYMPIC & CENTINELA BLVDS **CAD980884274**
SANTA MONICA, CA 90404

Site 1 of 5 in cluster E

Relative: Lower

Actual: 156 ft.

SEMS Archive:

Site ID:	902137
EPA ID:	CAD980884274
Cong District:	27
FIPS Code:	6037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SANTA MONICA WELL FIELD (Continued) **1000395259**

SEMS Archive Detail:

Region:	9
Site ID:	902137
EPA ID:	CAD980884274
Site Name:	SANTA MONICA WELL FIELD
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2013-11-07 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	902137
EPA ID:	CAD980884274
Site Name:	SANTA MONICA WELL FIELD
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1984-12-01 00:00:00
Qual:	L
Current Action Lead:	EPA Perf

Region:	9
Site ID:	902137
EPA ID:	CAD980884274
Site Name:	SANTA MONICA WELL FIELD
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1984-11-01 00:00:00
Finish Date:	1984-11-01 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	902137
EPA ID:	CAD980884274
Site Name:	SANTA MONICA WELL FIELD
NPL:	N
FF:	N
OU:	0
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	Not reported

SANTA MONICA WELL FIELD (Continued) **1000395259**

Finish Date: 1985-05-01 00:00:00
Qual: L
Current Action Lead: EPA Perf

E24 South < 1/8 0.060 mi. 318 ft. **SHAIHOE WONG** **EDR Hist Cleaner** **1009190844**
3266 OLYMPIC BLVD **N/A**
LOS ANGELES, CA

Site 2 of 5 in cluster E

Relative: Lower
Actual: 155 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1937	SHAIHOE WONG	LAUNDRIES HAND

F25 SE < 1/8 0.060 mi. 319 ft. **MATHEW MAY PROPERTY** **LUST** **S104405459**
12312 OLYMPIC BLVD W **CPS-SLIC** **N/A**
RANCHO PARK, CA 90064

Site 1 of 5 in cluster F

Relative: Lower
Actual: 155 ft.

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	100.315
Status:	Case Closed
Substance:	Gasoline
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Groundwater
Abatement Method Used at the Site:	Not reported
Global ID:	T0603700114
W Global ID:	Not reported
Staff:	SLC
Local Agency:	19050
Cross Street:	BUNDY
Enforcement Type:	Not reported
Date Leak Discovered:	Not reported
Date Leak First Reported:	2/25/1988
Date Leak Record Entered:	3/7/1988
Date Confirmation Began:	Not reported
Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	7/17/1996
Date the Case was Closed:	7/17/1996
How Leak Discovered:	Not reported
How Leak Stopped:	Not reported
Cause of Leak:	Not reported
Leak Source:	Not reported
Operator:	OLD#900640061
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	1139.3222357606179962576006366
Source of Cleanup Funding:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported

MATHEW MAY PROPERTY (Continued) **S104405459**

Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	3/18/1988
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:	SALMAS AND BRAUN
RP Address:	1901 AVENUE OF THE STARS 18TH FLOOR LA CA 90067
Program:	SLIC
Lat/Long:	34.031788 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	CASENO CHANGED TO WIP WITH RPG CLOSURE LETTER BY JER SLIC #495 REFER TO

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	07/17/1996
Global Id:	T0603700114
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.031788
Longitude:	-118.4564787
Case Type:	Cleanup Program Site
Case Worker:	SLC
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	100.315
File Location:	Not reported
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

F26 **MATHEW MAY PROPERTY** **CPS-SLIC** **S104404898**
SE **12312 OLYMPIC** **HIST CORTESE** **N/A**
< 1/8 **LOS ANGELES, CA 90064**
0.060 mi.
319 ft. **Site 2 of 5 in cluster F**

Relative:
Lower

Actual:
155 ft.

SLIC REG 4:

Region:	4
Facility Status:	No further action required
SLIC:	0495

MATHEW MAY PROPERTY (Continued) **S104404898**

Substance: VOCs/
Staff: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 100.315

F27
SE
< 1/8
0.060 mi.
319 ft.

RIOT GAMES INC. **AST** **A100423891**
12312 W OLYMPIC BLVD **N/A**
LOS ANGELES, CA 90064

Site 3 of 5 in cluster F

Relative:
Lower

Actual:
155 ft.

AST:
Certified Unified Program Agencies: Not reported
Owner: Kilroy Realty, LP
Total Gallons: Not reported
CERSID: 10257991
Facility ID: FA0034505
Business Name: Riot Games Inc.
Phone: 424-231-1111
Fax: Not reported
Mailing Address: 12333 W. Olympic Blvd.
Mailing Address City: Los Angeles
Mailing Address State: CA
Mailing Address Zip Code: 90064
Operator Name: Riot Games, Inc.
Operator Phone: 909-967-9185
Owner Phone: 310-481-8470
Owner Mail Address: 12200 W. Olympic Blvd. Suite 200
Owner State: CA
Owner Zip Code: 90064
Owner Country: United States
Property Owner Name: Rosie Ulfik
Property Owner Phone: Not reported
Property Owner Mailing Address: 12200 W. Olympic Blvd., Suite 200
Property Owner City: Los Angeles,
Property Owner Stat : CA
Property Owner Zip Code: 90064
Property Owner Country: United States
EPAID: Not reported

F28
SE
< 1/8
0.060 mi.
319 ft.

SOUTHWEST LEASING **SWEEPS UST** **S101582816**
12312 W OLYMPIC BLVD **CA FID UST** **N/A**
LOS ANGELES, CA 90025

Site 4 of 5 in cluster F

Relative:
Lower

Actual:
155 ft.

SWEEPS UST:
Status: Not reported
Comp Number: 7160
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported

SOUTHWEST LEASING (Continued) **S101582816**

Action Date:	Not reported
Created Date:	Not reported
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

CA FID UST:

Facility ID:	19001528
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	12312 W OLYMPIC BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900250000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

F29 **COMMERCIAL DEVELOPMENT** **CPS-SLIC** **S103972144**
SE **12312 WEST OLYMPIC BLVD** **N/A**
< 1/8 **LOS ANGELES, CA**
0.060 mi.
319 ft. **Site 5 of 5 in cluster F**

Relative:
Lower

Actual:
155 ft.

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/01/1998
Global Id:	SL204931715
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.0323
Longitude:	-118.453376
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0495
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:

E30 South < 1/8 0.062 mi. 328 ft. | **THOMPSON J V** | **EDR Hist Cleaner** | **1009192604** | **N/A**
3278 OLYMPIC BLVD
LOS ANGELES, CA

Site 3 of 5 in cluster E

Relative: Lower
Actual: 155 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1937	THOMPSON J V	CLOTHES PRESSERS AND CLEANERS

G31 ESE < 1/8 0.072 mi. 379 ft. | **TELEFLORA** | **RCRA-SQG** | **1000202288**
12233 W OLYMPIC BLVD | **FINDS** | **CAD982403339**
LOS ANGELES, CA 90064 | **ECHO**

Site 1 of 2 in cluster G

Relative: Lower
Actual: 157 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	TELEFLORA
Facility address:	12233 W OLYMPIC BLVD LOS ANGELES, CA 90064
EPA ID:	CAD982403339
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:	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:	STEWART RESNICK
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

TELEFLORA (Continued) **1000202288**

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: 02/12/1990
Site name: TELEFLORA
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002805153

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: 1000202288
Registry ID: 110002805153
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002805153

G32
ESE
< 1/8
0.072 mi.
379 ft.

GETTY AGRICULTURAL BUSINESS IN
12233 W OLYMPIC BLVD
LOS ANGELES, CA 90064

Site 2 of 2 in cluster G

EDR Hist Auto | **1022102127**
N/A

Relative:
Lower

Actual:
157 ft.

EDR Hist Auto

Year:	Name:	Type:
2003	GETTY AGRICULTURAL BUSINESS IN	Gasoline Service Stations
2004	GETTY AGRICULTURAL BUSINESS IN	Gasoline Service Stations
2005	GETTY AGRICULTURAL BUSINESS IN	Gasoline Service Stations

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H33
SSE
< 1/8
0.078 mi.
410 ft.

BAY DISTRICT PAVING CO
1955 CENTINELA AVE
SANTA MONICA, CA 90404

Site 1 of 4 in cluster H

RCRA-SQG | **1000110899**
HIST UST | **CAD041161902**
EMI
HAZNET
NPDES
CIWQS

Relative:
Lower

Actual:
154 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	BAY DISTRICT PAVING CO
Facility address:	1955 CENTINELA AVE SANTA MONICA, CA 90404
EPA ID:	CAD041161902
Mailing address:	CENTINELA AVE SANTA MONICA, CA 90404
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:	EE DUSTERHOFT
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

BAY DISTRICT PAVING CO (Continued) **1000110899**

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

HIST UST:
File Number: 000266B8
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000266B8.pdf
Region: STATE
Facility ID: 00000005408
Facility Type: Other
Other Type: CONSTRUCTION YARD
Contact Name: E.E. DUSTERHOFT, PRESIDENT
Telephone: 2138294333
Owner Name: BAY DISTRICT PAVING COMPANY
Owner Address: 1955 CENTINELA AVE.
Owner City,St,Zip: SANTA MONICA, CA 90404
Total Tanks: 0001

Tank Num: 001
Container Num: 2
Year Installed: 1977
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

EMI:
Year: 1987
County Code: 19

BAY DISTRICT PAVING CO (Continued) **1000110899**

Air Basin:	SC
Facility ID:	58251
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:	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

HAZNET:

envid:	1000110899
Year:	2015
GEPAID:	CAC002834100
Contact:	ERIC OLSON
Telephone:	2132435500
Mailing Name:	Not reported
Mailing Address:	707 WILSHIRE BLVD FL 34
Mailing City,St,Zip:	LOS ANGELES, CA 900173520
Gen County:	Los Angeles
TSD EPA ID:	CAD009007626
TSD County:	Los Angeles
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.23
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

NPDES:

Facility Status:	Terminated
NPDES Number:	CAS000002
Region:	4
Agency Number:	0
Regulatory Measure ID:	435942
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	4 19C366242
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/22/2013
Termination Date Of Regulatory Measure:	04/25/2016
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	707 Wilshire Blvd Floor 34
Discharge Name:	Exposition Metro Line Construction Authority
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90017
Status:	Not reported

BAY DISTRICT PAVING CO (Continued) **1000110899**

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:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	435942
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C366242
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:	04/25/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	03/27/2013
Processed Date:	04/22/2013
Status:	Terminated
Status Date:	07/26/2016
Place Size:	10
Place Size Unit:	Acres
Contact:	Kyle Welker
Contact Title:	Project Manager
Contact Phone:	562-567-2448
Contact Phone Ext:	Not reported
Contact Email:	kyle.welker@kiewit.com
Operator Name:	Exposition Metro Line Construction Authority
Operator Address:	707 Wilshire Blvd Floor 34
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90017
Operator Contact:	William Reagan
Operator Contact Title:	Director of Engineering and Construction
Operator Contact Phone:	213-243-5522
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	wreagan@exporail.net
Operator Type:	Other
Developer:	Kiewit Building Group
Developer Address:	10704 Shoemaker Ave
Developer City:	Santa Fe Springs
Developer State:	California
Developer Zip:	90670
Developer Contact:	Kyle Welker
Developer Contact Title:	Project Manager
Constype Linear Utility Ind:	N
Emergency Phone:	213-393-5133

BAY DISTRICT PAVING CO (Continued) **1000110899**

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:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	Y
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:	Ballona Creek
Certifier:	Eric Olson
Certifier Title:	Not reported
Certification Date:	27-MAR-13
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:	435942
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C366242
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/22/2013
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	04/25/2016
Discharge Name:	Exposition Metro Line Construction Authority
Discharge Address:	707 Wilshire Blvd Floor 34
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90017
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

BAY DISTRICT PAVING CO (Continued) **1000110899**

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

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 19C366242
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported

BAY DISTRICT PAVING CO (Continued) **1000110899**

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:	07/26/2016
Operator Name:	Exposition Metro Line Construction Authority
Operator Address:	707 Wilshire Blvd Floor 34
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90017

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	435942
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C366242
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:	04/25/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	03/27/2013
Processed Date:	04/22/2013
Status:	Terminated
Status Date:	07/26/2016
Place Size:	10
Place Size Unit:	Acres
Contact:	Kyle Welker
Contact Title:	Project Manager
Contact Phone:	562-567-2448
Contact Phone Ext:	Not reported
Contact Email:	kyle.welker@kiewit.com
Operator Name:	Exposition Metro Line Construction Authority
Operator Address:	707 Wilshire Blvd Floor 34
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90017
Operator Contact:	William Reagan
Operator Contact Title:	Director of Engineering and Construction
Operator Contact Phone:	213-243-5522
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	wreagan@exporail.net
Operator Type:	Other

BAY DISTRICT PAVING CO (Continued) **1000110899**

Developer:	Kiewit Building Group
Developer Address:	10704 Shoemaker Ave
Developer City:	Santa Fe Springs
Developer State:	California
Developer Zip:	90670
Developer Contact:	Kyle Welker
Developer Contact Title:	Project Manager
Constype Linear Utility Ind:	N
Emergency Phone:	213-393-5133
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:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	Y
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:	Ballona Creek
Certifier:	Eric Olson
Certifier Title:	Not reported
Certification Date:	27-MAR-13
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:	435942
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C366242
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/22/2013
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	04/25/2016
Discharge Name:	Exposition Metro Line Construction Authority
Discharge Address:	707 Wilshire Blvd Floor 34
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90017
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported

BAY DISTRICT PAVING CO (Continued) **1000110899**

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
Tertiary Sic:	Not reported

CIWQS:

Agency:	Exposition Metro Line Construction Authority

BAY DISTRICT PAVING CO (Continued) **1000110899**

Agency Address:	707 Wilshire Blvd Floor 34, Los Angeles , CA 90017
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 19C366242
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	04/22/2013
Termination Date:	04/25/2016
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:	34.03176
Longitude:	-118.45973

H34 **LACMTA DIVISION 14** **RCRA-LQG** **1018273604**
SSE **1955 CENTINELA AVE** **FINDS** **CAR000257519**
< 1/8 **SANTA MONICA, CA 90404** **ECHO**
0.078 mi.
410 ft. **Site 2 of 4 in cluster H**

Relative:
Lower

Actual:
154 ft.

RCRA-LQG:

Date form received by agency:	12/18/2015
Facility name:	LACMTA DIVISION 14
Facility address:	1955 CENTINELA AVE SANTA MONICA, CA 90404
EPA ID:	CAR000257519
Mailing address:	CENTINELA AVE SANTA MONICA, CA 90404
Contact:	JAMES JIMENEZ
Contact address:	ONE GATEWAY PLAZA LOS ANGELES, CA 90012
Contact country:	US
Contact telephone:	213-922-5870
Contact email:	JIMENEZJ@METRO.NET
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

LACMTA DIVISION 14 (Continued) **1018273604**

Owner/Operator Summary:

Owner/operator name:	LA COUNTY METROPOLITAN TRANSIT AUTHORITY
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:	County
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/2015
Owner/Op end date:	Not reported

Owner/operator name:	LA COUNTY METROPOLITAN TRANSIT AUTHORITY
Owner/operator address:	ONE GATEWAY PLAZA
	LOS ANGELES, CA 90012
Owner/operator country:	US
Owner/operator telephone:	213-922-5870
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	County
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2015
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: 221
. Waste name: Waste oil and mixed oil

. Waste code: 222
. Waste name: Oil/water separation sludge

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

LACMTA DIVISION 14 (Continued) **1018273604**

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. 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.

. 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.

Violation Status: No violations found

FINDS:

Registry ID: 110067265426

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: 1018273604
Registry ID: 110067265426
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110067265426

H35 **BAY DISTRICT PAVING CO** **RCRA-SQG** **1000403037**
SSE **1955 CENTINELA AVE** **FINDS** **CAD075288993**
< 1/8 **SANTA MONICA, CA 90404** **ECHO**
0.078 mi.
410 ft. **Site 3 of 4 in cluster H**

Relative: RCRA-SQG:
Lower Date form received by agency: 09/01/1996
Actual: Facility name: WESTERN TRUCK SERVICE
154 ft. Facility address: 1955 CENTINELA AVE
SANTA MONICA, CA 90404

BAY DISTRICT PAVING CO (Continued) **1000403037**

EPA ID:	CAD075288993
Mailing address:	CENTINELA AVE SANTA MONICA, CA 90404
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:	ALEXANDER F SHARPE
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

BAY DISTRICT PAVING CO (Continued) **1000403037**

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: 110002644112

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.

Registry ID: 110009531747

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: 1000403037
Registry ID: 110002644112
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002644112

Envid: 1000403037
Registry ID: 110009531747
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110009531747

H36 **METRO OPERATIONS AND MAINTENANCE FACILITY - DIV 14** **AST** **A100422353**
SSE **1955 CENTINELA AVE** **N/A**
< 1/8 **SANTA MONICA, CA 90404**
0.078 mi.
410 ft. **Site 4 of 4 in cluster H**

Relative:
Lower

Actual:
154 ft.

AST:
Certified Unified Program Agencies: Not reported
Owner: Collins U. Kalu
Total Gallons: Not reported
CERSID: 10644517
Facility ID: Not reported
Business Name: Los Angeles County Metropolitan Transportation Authority
Phone: 213-922-7213
Fax: 213-92-7536
Mailing Address: One Gateway Plaza (M/S: 99-18-1)

METRO OPERATIONS AND MAINTENANCE FACILITY - DIV 14 (Continued) **A100422353**

Mailing Address City:	Los Angeles
Mailing Address State:	CA
Mailing Address Zip Code:	90012
Operator Name:	LACMTA - Div. 14
Operator Phone:	213-922-4970
Owner Phone:	213-922-4970
Owner Mail Address:	One Gateway Plaza (M/S: 99-18-1)
Owner State:	CA
Owner Zip Code:	Not reported
Owner Country:	United States
Property Owner Name:	LACMTA
Property Owner Phone:	213-922-4970
Property Owner Mailing Address:	One Gateway Plaza (M/S: 99-18-1)
Property Owner City:	Los Angeles
Property Owner Stat :	CA
Property Owner Zip Code:	90012
Property Owner Country:	United States
EPAID:	CAR000257519

E37
South
< 1/8
0.088 mi.
464 ft.

AMBROSE COMPANY **LUST** **S101298070**
3200 OLYMPIC **HIST CORTESE** **N/A**
SANTA MONICA, CA 90404

Site 4 of 5 in cluster E

Relative:
Lower

Actual:
155 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701418
Global Id:	T0603701418
Latitude:	34.030784
Longitude:	-118.459406
Status:	Completed - Case Closed
Status Date:	12/14/2001
Case Worker:	DMB
RB Case Number:	904040370
Local Agency:	Not reported
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:	T0603701418
Contact Type:	Regional Board Caseworker
Contact Name:	DAVID M. BJOSTAD
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4th Street, Suite 200
City:	Los Angeles
Email:	dave.bjostad@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603701418
Action Type:	Other
Date:	06/01/1988
Action:	Leak Discovery

AMBROSE COMPANY (Continued) **S101298070**

Global Id: T0603701418
Action Type: Other
Date: 02/27/1989
Action: Leak Reported

LUST:
Global Id: T0603701418
Status: Open - Case Begin Date
Status Date: 06/01/1988

Global Id: T0603701418
Status: Open - Remediation
Status Date: 02/27/1989

Global Id: T0603701418
Status: Open - Site Assessment
Status Date: 12/27/1991

Global Id: T0603701418
Status: Completed - Case Closed
Status Date: 12/14/2001

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 904040370
Status: Case Closed
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603701418
W Global ID: Not reported
Staff: TCS
Local Agency: 19033
Cross Street: CENTINELA AVE
Enforcement Type: Not reported
Date Leak Discovered: 6/1/1988
Date Leak First Reported: 2/27/1989
Date Leak Record Entered: Not reported
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 4/30/2002
Date the Case was Closed: 12/14/2001
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Corrosion
Leak Source: Tank
Operator: AMBROSE, JAY
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 64.2313956394011921968499766 45
Source of Cleanup Funding: Tank

AMBROSE COMPANY (Continued) **S101298070**

Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	12/27/1991
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	2/27/1989
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	6/29/2000
Hist Max MTBE Conc in Groundwater:	2
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	<
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	JAY AMBROSE
RP Address:	3200 OLYMPIC BLVD.
Program:	LUST
Lat/Long:	34.030274 / -1
Local Agency Staff:	UNK
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	6/5/00 GW SAMPLING;; 6/15/00 WP FOR GW MON WELL INSTALLATION

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	904040370

E38 **KENTUCKY BRANDS OF CALIF INC** **HIST UST** **U001563960**
South **3200 OLYMPIC BLVD** **N/A**
< 1/8 **SANTA MONICA, CA 90404**
0.088 mi.
464 ft. **Site 5 of 5 in cluster E**

Relative:
Lower

Actual:
155 ft.

HIST UST:

File Number:	0002732D
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002732D.pdf
Region:	STATE
Facility ID:	00000003234
Facility Type:	Other
Other Type:	WHLSE.
Contact Name:	M. AMBROSE
Telephone:	2138702063
Owner Name:	KENTUCKY BRANDS OF CALIF INC.
Owner Address:	3200 OLYMPIC BLVD
Owner City,St,Zip:	SANTA MONICA, CA 90404
Total Tanks:	0003
Tank Num:	001
Container Num:	1
Year Installed:	1977
Tank Capacity:	00002000

KENTUCKY BRANDS OF CALIF INC (Continued) **U001563960**

Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/16
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1977
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/16
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1979
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	1/4"
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

I39 **KENDALL HAROLD H** **EDR Hist Auto** **1008996226**
SSW **3154 OLYMPIC BLVD** **N/A**
< 1/8 **LOS ANGELES, CA 90035**
0.094 mi.
496 ft. **Site 1 of 4 in cluster I**

Relative: EDR Hist Auto
Lower

Actual:
155 ft.

Year:	Name:	Type:
1969	KENDALL HAROLD H	Gasoline Service Stations
1970	KENDALL HAROLD H	Gasoline Service Stations
1971	KENDALL HAROLD H	Gasoline Service Stations
1972	KENDALL HAROLD H	Gasoline Service Stations
1973	KENDALL HAROLD H	Gasoline Service Stations
1974	KENDALL HAROLD H	Gasoline Service Stations
1975	KENDALL HAROLD H	Gasoline Service Stations
1995	WALLY'S OLYMPIC UNOCAL	Not reported

I40 **HORNBURG SANTA MONICA** **AST** **A100420864**
SSW **3300 OLYMPIC BLVD** **N/A**
< 1/8 **SANTA MONICA, CA 90404**
0.100 mi.
526 ft. **Site 2 of 4 in cluster I**

Relative: AST:
Lower

Actual:
155 ft.

Certified Unified Program Agencies:	Not reported
Owner:	Pendragon North America Automotive Inc.
Total Gallons:	Not reported
CERSID:	10174645
Facility ID:	Not reported
Business Name:	Hornburg Santa Monica

HORNBURG SANTA MONICA (Continued) **A100420864**

Phone:	(310) 453-3377
Fax:	(310) 828-4393
Mailing Address:	3300 Olympic Blvd
Mailing Address City:	Santa Monica
Mailing Address State:	CA
Mailing Address Zip Code:	90404
Operator Name:	Rebecca Korban
Operator Phone:	(310) 453-3377
Owner Phone:	(310) 453-3377
Owner Mail Address:	3300 Olympic Blvd
Owner State:	CA
Owner Zip Code:	90404
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:	CAD983602228

I41 **HORNBURG JAGUAR** **RCRA-SQG** **1000596258**
SSW **3300 OLYMPIC BLVD** **UST** **CAD983602228**
< 1/8 **SANTA MONICA, CA 90404** **FINDS**
0.100 mi. **ECHO**
526 ft. **Site 3 of 4 in cluster I**

Relative:
Lower

Actual:
155 ft.

RCRA-SQG:

Date form received by agency:	08/27/2002
Facility name:	HORNBURG JAGUAR
Facility address:	3300 OLYMPIC BLVD SANTA MONICA, CA 90404
EPA ID:	CAD983602228
Contact:	FRANK BURNS
Contact address:	9176 SUNSET BLVD WEST HOLLYWOOD, CA 90069
Contact country:	US
Contact telephone:	310-453-3377
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:	CHARLES HORNBURG FAMILY TRUST
Owner/operator address:	9176 SUNSET BLVD LOS ANGELES, CA 90069
Owner/operator country:	Not reported
Owner/operator telephone:	213-274-5133
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported

HORNBURG JAGUAR (Continued) **1000596258**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: PENEGON WEST
Owner/operator address: 9176 SUNSET BLVD
WEST HOLLYWOOD, CA 90069
Owner/operator country: Not reported
Owner/operator telephone: 310-274-5133
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

. Waste code: D000
. Waste name: Not Defined

. 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.

Historical Generators:
Date form received by agency: 02/28/2002
Site name: HORNBURG JAGUAR INC
Classification: Large Quantity Generator

Violation Status: No violations found

UST:
Facility ID: 600144
Permitting Agency: SANTA MONICA, CITY OF

HORNBURG JAGUAR (Continued) **1000596258**

Latitude: 34.0319875
Longitude: -118.4587419

FINDS:

Registry ID: 110055873023

Environmental Interest/Information System
STATE MASTER

Registry ID: 110002858408

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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: 1000596258
Registry ID: 110002858408
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002858408

I42 **PROPOSED HERB ALPERT EDUCATIONAL VILLAGE** **ENVIROSTOR** **S108214883**
SSW **3131 OLYMPIC BOULEVARD** **SCH** **N/A**
< 1/8 **SANTA MONICA, CA 90404** **DEED**
0.100 mi.
526 ft. **Site 4 of 4 in cluster I**

Relative:
Lower

Actual:
156 ft.

ENVIROSTOR:
Facility ID: 19820113
Status: Certified O&M - Land Use Restrictions Only
Status Date: 05/30/2013
Site Code: 304449
Site Type: School Cleanup
Site Type Detailed: School
Acres: 2.68
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Ivy Osornio
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 50

PROPOSED HERB ALPERT EDUCATIONAL VILLAGE (Continued) **S108214883**

Senate: 26
Special Program: Not reported
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.03124
Longitude: -118.4613
APN: 4268-011-002, 4268-011-003, 4268-011-008, 4268011003, 4268011008
Past Use: * EDUCATIONAL SERVICES
Potential COC: Arsenic Total Chromium (1:6 ratio Cr VI:Cr III Lead Antimony and compounds Barium and compounds Copper and compounds
Confirmed COC: Antimony and compounds Barium and compounds Copper and compounds Arsenic Total Chromium (1:6 ratio Cr VI:Cr III Lead
Potential Description: OTH, SOIL
Alias Name: NEW ROADS SCHOOL
Alias Type: Alternate Name
Alias Name: NEW VISIONS EDU.FOUNDATION-NEW ROADS SCL
Alias Type: Alternate Name
Alias Name: Proposed Herb Alpert Educational Village
Alias Type: Alternate Name
Alias Name: 4268-011-002
Alias Type: APN
Alias Name: 4268-011-003
Alias Type: APN
Alias Name: 4268-011-008
Alias Type: APN
Alias Name: 4268011003
Alias Type: APN
Alias Name: 4268011008
Alias Type: APN
Alias Name: 110033611786
Alias Type: EPA (FRS #)
Alias Name: 304449
Alias Type: Project Code (Site Code)
Alias Name: 19820113
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/27/2006
Comments: Not reported

Completed Area Name: Parcels D&E
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 03/05/2013
Comments: LUC Recorded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 05/21/2013
Comments: DTSC certified that response action according to the DTSC-approved RAW is complete.

Completed Area Name: PROJECT WIDE

PROPOSED HERB ALPERT EDUCATIONAL VILLAGE (Continued) **S108214883**

Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/11/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 01/30/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/18/2013
Comments: DTSC prepared project close out Cost Recovery Unit Memorandum.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 02/06/2014
Comments: DTSC approved the 2013 annual LUC compliance report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/04/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 03/09/2011
Comments: Signed VCA sent (FedEx) to District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 09/30/2010
Comments: DTSC prepared an Inactive Status letter due to inactivity at the Site

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/23/2015
Comments: Annual Cost Estimate emailed and mailed to BP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/14/2016
Comments: DTSC prepared an annual oversight cost estimate for 2016-2017

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/01/2017

PROPOSED HERB ALPERT EDUCATIONAL VILLAGE (Continued) **S108214883**

Comments: x

Completed Area Name: Parcels D&E
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 07/19/2012
Comments: DTSC filed an NOE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/25/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/27/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/12/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 10/13/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 09/17/2008
Comments: The project is going through the design phase. A scoping meeting will be set-up to discussed the revised project in the near future.

Completed Area Name: Phase I Construction area
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 12/17/2009
Comments: DTSC conditionally approved the TM

Completed Area Name: Phase I Construction area
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 07/22/2010
Comments: DTSC approved the SSI for the Phase I construction area with a No Further Action determination. Further remediation/investigation at the remainder of the Site is required.

Completed Area Name: Parcels D&E
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 02/16/2011

PROPOSED HERB ALPERT EDUCATIONAL VILLAGE (Continued) **S108214883**

Comments: DTSC comments were discussed during the February 7, 2011 meeting. The meeting was held to discuss the RP's options and the next steps required.

Completed Area Name: Parcels D&E
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 11/02/2011
Comments: DTSC determined that a response action is required at the site. DTSC comments on the SSI may be addressed during the RAW

Completed Area Name: Parcels D&E
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 07/24/2012
Comments: DTSC approved the RAW after a 30-day public comment period

Completed Area Name: Parcels D&E
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 06/05/2012
Comments: DTSC prepared a Public Notice. Comment period 06/06/2012-07/06/2012

Completed Area Name: Parcels D&E
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 06/05/2012
Comments: DTSC prepared a Fact Sheet. Public comment period 06/06/2012-07/06/2012

Completed Area Name: Parcels D&E
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 06/04/2012
Comments: DTSC finalized a Community Profile

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 01/30/2012
Comments: DTSC issued a clarification letter regarding the status of the Site to satisfy the School's request

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/21/2013
Comments: DTSC conditionally approved (for LUC recordation) the Removal Action Completion Report with a No Further Action determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 04/09/2015
Comments: DTSC approved the 2014 annual LUC inspection report

Completed Area Name: PROJECT WIDE

PROPOSED HERB ALPERT EDUCATIONAL VILLAGE (Continued) **S108214883**

Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction Monitoring Report
Completed Date:	11/30/2016
Comments:	DTSC approved the annual LUC compliance report

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction Monitoring Report
Completed Date:	02/20/2018
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

SCH:

Facility ID:	19820113
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	2.68
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Ivy Osornio
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304449
Assembly:	50
Senate:	26
Special Program Status:	Not reported
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	05/30/2013
Restricted Use:	YES
Funding:	School District
Latitude:	34.03124
Longitude:	-118.4613
APN:	4268-011-002, 4268-011-003, 4268-011-008, 4268011003, 4268011008
Past Use:	* EDUCATIONAL SERVICES
Potential COC:	Arsenic, Total Chromium (1:6 ratio Cr VI:Cr III, Lead, Antimony and compounds, Barium and compounds, Copper and compounds
Confirmed COC:	Antimony and compounds, Barium and compounds, Copper and compounds, Arsenic, Total Chromium (1:6 ratio Cr VI:Cr III, Lead
Potential Description:	OTH, SOIL
Alias Name:	NEW ROADS SCHOOL
Alias Type:	Alternate Name
Alias Name:	NEW VISIONS EDU.FOUNDATION-NEW ROADS SCL
Alias Type:	Alternate Name
Alias Name:	Proposed Herb Alpert Educational Village

PROPOSED HERB ALPERT EDUCATIONAL VILLAGE (Continued) **S108214883**

Alias Type:	Alternate Name
Alias Name:	4268-011-002
Alias Type:	APN
Alias Name:	4268-011-003
Alias Type:	APN
Alias Name:	4268-011-008
Alias Type:	APN
Alias Name:	4268011003
Alias Type:	APN
Alias Name:	4268011008
Alias Type:	APN
Alias Name:	110033611786
Alias Type:	EPA (FRS #)
Alias Name:	304449
Alias Type:	Project Code (Site Code)
Alias Name:	19820113
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	01/27/2006
Comments:	Not reported
Completed Area Name:	Parcels D&E
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction
Completed Date:	03/05/2013
Comments:	LUC Recorded
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	05/21/2013
Comments:	DTSC certified that response action according to the DTSC-approved RAW is complete.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	10/11/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inactive Status Letter
Completed Date:	01/30/2007
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	07/18/2013
Comments:	DTSC prepared project close out Cost Recovery Unit Memorandum.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

PROPOSED HERB ALPERT EDUCATIONAL VILLAGE (Continued) **S108214883**

Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 02/06/2014
Comments: DTSC approved the 2013 annual LUC compliance report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/04/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 03/09/2011
Comments: Signed VCA sent (FedEx) to District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 09/30/2010
Comments: DTSC prepared an Inactive Status letter due to inactivity at the Site

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/23/2015
Comments: Annual Cost Estimate emailed and mailed to BP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/14/2016
Comments: DTSC prepared an annual oversight cost estimate for 2016-2017

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/01/2017
Comments: x

Completed Area Name: Parcels D&E
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 07/19/2012
Comments: DTSC filed an NOE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/25/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/27/2014
Comments: Not reported

PROPOSED HERB ALPERT EDUCATIONAL VILLAGE (Continued) **S108214883**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/12/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 10/13/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 09/17/2008
Comments: The project is going through the design phase. A scoping meeting will be set-up to discussed the revised project in the near future.

Completed Area Name: Phase I Construction area
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 12/17/2009
Comments: DTSC conditionally approved the TM

Completed Area Name: Phase I Construction area
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 07/22/2010
Comments: DTSC approved the SSI for the Phase I construction area with a No Further Action determination. Further remediation/investigation at the remainder of the Site is required.

Completed Area Name: Parcels D&E
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 02/16/2011
Comments: DTSC comments were discussed during the February 7, 2011 meeting. The meeting was held to discuss the RP's options and the next steps required.

Completed Area Name: Parcels D&E
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 11/02/2011
Comments: DTSC determined that a response action is required at the site. DTSC comments on the SSI may be addressed during the RAW

Completed Area Name: Parcels D&E
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 07/24/2012
Comments: DTSC approved the RAW after a 30-day public comment period

Completed Area Name: Parcels D&E
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice

PROPOSED HERB ALPERT EDUCATIONAL VILLAGE (Continued) **S108214883**

Completed Date: 06/05/2012
Comments: DTSC prepared a Public Notice. Comment period 06/06/2012-07/06/2012

Completed Area Name: Parcels D&E
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 06/05/2012
Comments: DTSC prepared a Fact Sheet. Public comment period 06/06/2012-07/06/2012

Completed Area Name: Parcels D&E
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 06/04/2012
Comments: DTSC finalized a Community Profile

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 01/30/2012
Comments: DTSC issued a clarification letter regarding the status of the Site to satisfy the School's request

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/21/2013
Comments: DTSC conditionally approved (for LUC recordation) the Removal Action Completion Report with a No Further Action determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 04/09/2015
Comments: DTSC approved the 2014 annual LUC inspection report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 11/30/2016
Comments: DTSC approved the annual LUC compliance report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 02/20/2018
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

PROPOSED HERB ALPERT EDUCATIONAL VILLAGE (Continued) **S108214883**

DEED:
Envirostor ID: 19820113
Area: PARCELS D&E
Sub Area: Not reported
Site Type: SCHOOL CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 03/05/2013
File Name: Envirostor Land Use Restrictions

J43 **BENSON LEHNER CORP.** **SEMS-ARCHIVE** **1000893616**
SW **1860 FRANKLIN ST.** **CA0000476317**
< 1/8 **SANTA MONICA, CA 90404**
0.101 mi.
533 ft. **Site 1 of 5 in cluster J**

Relative:
Lower

Actual:
158 ft.

SEMS Archive:
Site ID: 905114
EPA ID: CA0000476317
Cong District: 27
FIPS Code: 6037
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: 9
Site ID: 905114
EPA ID: CA0000476317
Site Name: BENSON LEHNER CORP.
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 2013-11-07 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 9
Site ID: 905114
EPA ID: CA0000476317
Site Name: BENSON LEHNER CORP.
NPL: N
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1994-07-28 00:00:00
Finish Date: 1994-07-28 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9

BENSON LEHNER CORP. (Continued) **1000893616**

Site ID:	905114
EPA ID:	CA0000476317
Site Name:	BENSON LEHNER CORP.
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1999-08-01 00:00:00
Finish Date:	2000-06-14 00:00:00
Qual:	N
Current Action Lead:	St Perf

K44
East
< 1/8
0.110 mi.
582 ft.

FOX TELEVISION STATIONS, INC. **UST** **U003781348**
1999 S BUNDY DR **N/A**
LOS ANGELES, CA 90025

Site 1 of 3 in cluster K

Relative:
Lower

Actual:
159 ft.

UST:

Facility ID:	25038
Permitting Agency:	LOS ANGELES, CITY OF
Latitude:	34.034839
Longitude:	-118.454883

K45
East
< 1/8
0.110 mi.
582 ft.

FOX TELEVISION STATIONS, INC. **UST** **U004264400**
1999 BUNDY DR **N/A**
LOS ANGELES, CA 90025

Site 2 of 3 in cluster K

Relative:
Lower

Actual:
159 ft.

UST:

Facility ID:	FA0033837
Permitting Agency:	Los Angeles City Fire Department
Latitude:	34.03349
Longitude:	-118.45623

J46
SW
< 1/8
0.117 mi.
616 ft.

MARSHALL ENGINEERING CO. **SEMS-ARCHIVE** **1003879981**
1822-1836 FRANKLIN ST. **CA0000476341**
SANTA MONICA, CA 90404

Site 2 of 5 in cluster J

Relative:
Lower

Actual:
158 ft.

SEMS Archive:

Site ID:	905115
EPA ID:	CA0000476341
Cong District:	27
FIPS Code:	6037
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:

MARSHALL ENGINEERING CO. (Continued) **1003879981**

Region:	9
Site ID:	905115
EPA ID:	CA0000476341
Site Name:	MARSHALL ENGINEERING CO.
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-03-29 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	905115
EPA ID:	CA0000476341
Site Name:	MARSHALL ENGINEERING CO.
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-07-29 00:00:00
Finish Date:	1994-07-29 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	905115
EPA ID:	CA0000476341
Site Name:	MARSHALL ENGINEERING CO.
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-02-11 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

L47 **CORNERSTONE PLAZA** **SWEEPS UST** **S101588038**
ENE **1940 S BUNDY DR** **CA FID UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90025**
0.125 mi.
662 ft. **Site 1 of 2 in cluster L**

Relative:
Higher

Actual:
162 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	6559
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported

CORNERSTONE PLAZA (Continued) **S101588038**

Action Date:	Not reported
Created Date:	Not reported
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:	0

CA FID UST:

Facility ID:	19056271
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	1940 S BUNDY
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900250000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

K48 **HUDSON ELEMENT LA** **CPS-SLIC** **S113804544**
ESE **1901, 1925, 1933 S. BUNDY DR.** **N/A**
1/8-1/4 **LOS ANGELES, CA 90048**
0.127 mi.
669 ft. **Site 3 of 3 in cluster K**

Relative:
Lower

Actual:
158 ft.

CPS-SLIC:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	01/20/2015
Global Id:	SL0603705527
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.0329055617389
Longitude:	-118.455770015717
Case Type:	Cleanup Program Site
Case Worker:	RO
Local Agency:	Not reported
RB Case Number:	0850B
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	* Chlorinated Hydrocarbons
Site History:	The Site was formerly utilized for agricultural activities until 1950. It consists of an approximately 5.66-acre parcel of land with three buildings and paved parking areas. The three buildings are located within a mixed commercial, office, and light industrial

HUDSON ELEMENT LA (Continued) **S113804544**

land-use area with combined useable space measuring approximately 84,000 square feet. The 1901 South Bundy Drive building (1901 building), with an area of 30,000 square feet, was the first of the three buildings, constructed in 1950. Packard Bell initially used this building for manufacturing navy testing equipment and electronics, such as radios and televisions, from 1950 until 1970. Thereafter, Teledyne Controls occupied the building and used it for warehousing, and as office space, until 1996. The 1925 South Bundy Drive building (1925 building) was constructed in 1953, and measures 20,000 square feet in size. This building was primarily used as office space by Packard Bell and Teledyne Inc. The largest of the three buildings is the 1933 South Bundy Drive structure (1933 building), which measures over 34,000 square feet. Packard Bell utilized this building for electronics manufacturing from 1953 until 1977 after which manufacturing activities ceased. Thereafter, Teledyne used the building as office and warehouse space until the early 1990s. AGI Properties purchased the Site between 1996 and 1997 and leased the three buildings to Fox Television. Fox Television used the buildings as a television studio, and office space, until 2003. All three buildings are presently vacant.

Click here to access the California GeoTracker records for this facility:

M49 **Q-TECH CORP** **RCRA NonGen / NLR** **1000200857**
SE **2201 CARMELINA AVE** **FINDS** **CAD064618549**
1/8-1/4 **LOS ANGELES, CA 90064** **ECHO**
0.131 mi.
691 ft. **Site 1 of 2 in cluster M**

Relative:
Lower

Actual:
151 ft.

RCRA NonGen / NLR:

Date form received by agency:	06/29/1999
Facility name:	Q-TECH CORP
Facility address:	2201 CARMELINA AVE LOS ANGELES, CA 90064
EPA ID:	CAD064618549
Contact:	RICHARD TAYLOR
Contact address:	1050 W JEFFERSON BLVD CULVER CITY, CA 90232-3502
Contact country:	US
Contact telephone:	310-836-7900
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate 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:	Owner
Owner/Op start date:	Not reported

Q-TECH CORP (Continued) **1000200857**

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: 09/01/1996
Site name: Q-TECH CORP
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002654342

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:

Q-TECH CORP (Continued) **1000200857**

Envid: 1000200857
Registry ID: 110002654342
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002654342

J50 WSW 1/8-1/4 0.141 mi. 743 ft.

PIONEER MAGNETICS INC
3122 NEBRASKA ST
SANTA MONICA, CA 90404

Site 3 of 5 in cluster J

RCRA-SQG **1000312438**
ENVIROSTOR **CAD981667843**
FINDS
ECHO
HAZNET

Relative: Lower
Actual: 159 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: PIONEER MAGNETICS INC
Facility address: 3122 NEBRASKA ST
SANTA MONICA, CA 90404
EPA ID: CAD981667843
Mailing address: 1745 BERKELEY ST
SANTA MONICA, CA 90404
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: 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: ALLEN ROSENSTEIN
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

PIONEER MAGNETICS INC (Continued) **1000312438**

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: 03/26/1992
Site name: PIONEER MAGNETICS INC
Classification: Small Quantity Generator

Date form received by agency: 12/17/1986
Site name: PIONEER MAGNETICS INC
Classification: Large Quantity Generator

Violation Status: No violations found

ENVIROSTOR:

Facility ID:	60001691
Status:	No Further Action
Status Date:	05/13/1998
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	5
NPL:	NO
Regulatory Agencies:	LOS ANGELES COUNTY
Lead Agency:	LOS ANGELES COUNTY
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	41, 50
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	34.03234
Longitude:	-118.4621
APN:	NONE SPECIFIED
Past Use:	NONE
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NMA

PIONEER MAGNETICS INC (Continued) **1000312438**

Alias Name: 60001691
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: 05/13/1998
Comments: no further action

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

FINDS:

Registry ID: 110002743372

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000312438
Registry ID: 110002743372
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002743372

HAZNET:
envid: 1000312438
Year: 2016
GEPAID: CAD981667843
Contact: ROMAN SANCHEZ
Telephone: 3108296751
Mailing Name: Not reported
Mailing Address: 1745 BERKELEY ST

PIONEER MAGNETICS INC (Continued) **1000312438**

Mailing City,St,Zip: SANTA MONICA, CA 904044104
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.9174
Cat Decode: Liquids with halogenated organic compounds >= 1,000 Mg./L
Method Decode: Fuel Blending Prior To Energy Recovery At Another Site
Facility County: Los Angeles

envid: 1000312438
Year: 2016
GEPAID: CAD981667843
Contact: ROMAN SANCHEZ
Telephone: 3108296751
Mailing Name: Not reported
Mailing Address: 1745 BERKELEY ST
Mailing City,St,Zip: SANTA MONICA, CA 904044104
Gen County: Los Angeles
TSD EPA ID: CAL000024110
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons: Not reported
Cat Decode: Not reported
Method Decode: Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Facility County: Los Angeles

envid: 1000312438
Year: 2016
GEPAID: CAD981667843
Contact: ROMAN SANCHEZ
Telephone: 3108296751
Mailing Name: Not reported
Mailing Address: 1745 BERKELEY ST
Mailing City,St,Zip: SANTA MONICA, CA 904044104
Gen County: Los Angeles
TSD EPA ID: CAL000024110
TSD County: Los Angeles
Waste Category: Other inorganic solid waste
Disposal Method: Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons: 0.486
Cat Decode: Other inorganic solid waste
Method Decode: Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Facility County: Los Angeles

envid: 1000312438
Year: 2015
GEPAID: CAD981667843
Contact: ROMAN SANCHEZ
Telephone: 3108296751
Mailing Name: Not reported
Mailing Address: 1745 BERKELEY ST
Mailing City,St,Zip: SANTA MONICA, CA 904044104
Gen County: Los Angeles
TSD EPA ID: CAD008364432

PIONEER MAGNETICS INC (Continued) **1000312438**

TSD County: Los Angeles
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.834
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000312438
Year: 2015
GEPAID: CAD981667843
Contact: ROMAN SANCHEZ
Telephone: 3108296751
Mailing Name: Not reported
Mailing Address: 1745 BERKELEY ST
Mailing City,St,Zip: SANTA MONICA, CA 904044104
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.68805
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
121 additional CA_HAZNET: record(s) in the EDR Site Report.

J51 **PIONEER MAGNETICS** **CERS HAZ WASTE** **S121745197**
WSW **3122 NEBRASKA AVE** **CERS** **N/A**
1/8-1/4 **SANTA MONICA, CA 90404**
0.141 mi.
743 ft. **Site 4 of 5 in cluster J**

Relative:
Lower

Actual:
159 ft.

CERS HAZ WASTE:
Site ID: 143912
CERS ID: 10125313
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 143912
Site Name: Pioneer Magnetics
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: Not reported
Violation Division: Santa Monica Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 143912
Site Name: Pioneer Magnetics
Violation Date: 03-21-2017

PIONEER MAGNETICS (Continued) **S121745197**

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: Not reported
Violation Division: Santa Monica Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 143912
Site Name: Pioneer Magnetics
Violation Date: 03-25-2016
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes: Returned to compliance on 04/29/2016. OBSERVATION: Copies of hazardous waste disposal records for 2013, 2014 and 2015 were not found on site. Hazardous waste generators shall retain copies of all manifests signed off by the disposal facility and all receipts used in a consolidated manifesting procedure on site for three years and have them readily available for review. CORRECTIVE ACTION: Immediately locate a copy of all manifests and receipts for the last three years, maintain them on site, and submit copies to the CUPA by 04/25/16.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-20-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Monica Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-21-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Monica Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Roman Sanchez
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

PIONEER MAGNETICS (Continued) **S121745197**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-17-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Santa Monica Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-03-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-03-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspected by M Ordonez, HMS II Consent by R Sanchez
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
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:	Not reported
Eval Division:	Santa Monica Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	143912
Site Name:	Pioneer Magnetics
Site Address:	3122 NEBRASKA AVE
Site City:	SANTA MONICA
Site Zip:	90404
Enf Action Date:	09-15-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Santa Monica Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Coordinates:

Site ID:	143912
Facility Name:	Pioneer Magnetics
Env Int Type Code:	HWG
Program ID:	10125313
Coord Name:	Not reported

PIONEER MAGNETICS (Continued) **S121745197**

Ref Point Type Desc:	Unknown
Latitude:	34.032143
Longitude:	-118.462204

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Santa Monica Fire Dept
Entity Title:	Not reported
Affiliation Address:	333 Olympic Drive 2nd Floor
Affiliation City:	Santa Monica
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90401
Affiliation Phone:	(310) 434-2666

Affiliation Type Desc:	Document Preparer
Entity Name:	Roman Sanchez
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:	Roman Sanchez
Entity Title:	Not reported
Affiliation Address:	1745 Berkeley St
Affiliation City:	Santa Monica
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90404
Affiliation Phone:	(310) 829-6759

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1745 Berkeley St
Affiliation City:	Santa Monica
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90404
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Jerry Rosenstein
Entity Title:	President
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:	Allen Rosenstein

PIONEER MAGNETICS (Continued) **S121745197**

Entity Title:	Not reported
Affiliation Address:	1745 Berkeley St
Affiliation City:	Santa Monica
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90404
Affiliation Phone:	(310) 829-6751

Affiliation Type Desc:	Operator
Entity Name:	Jerry Rosenstein
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) 829-6751

Affiliation Type Desc:	Parent Corporation
Entity Name:	Pioneer Magnetics
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:	Allen Rosenstein
Entity Title:	Not reported
Affiliation Address:	1745 Bekerley St.
Affiliation City:	Santa Monica
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90404
Affiliation Phone:	(310) 829-6751

CERS TANKS:

Site ID:	143912
CERS ID:	10125313
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	143912
Site Name:	Pioneer Magnetics
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:	Not reported
Violation Division:	Santa Monica Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

PIONEER MAGNETICS (Continued) **S121745197**

Site ID: 143912
Site Name: Pioneer Magnetics
Violation Date: 03-21-2017
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: Not reported
Violation Division: Santa Monica Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 143912
Site Name: Pioneer Magnetics
Violation Date: 03-25-2016
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes: Returned to compliance on 04/29/2016. OBSERVATION: Copies of hazardous waste disposal records for 2013, 2014 and 2015 were not found on site. Hazardous waste generators shall retain copies of all manifests signed off by the disposal facility and all receipts used in a consolidated manifesting procedure on site for three years and have them readily available for review. CORRECTIVE ACTION: Immediately locate a copy of all manifests and receipts for the last three years, maintain them on site, and submit copies to the CUPA by 04/25/16.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-20-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Monica Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-21-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Monica Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Roman Sanchez

PIONEER MAGNETICS (Continued) **S121745197**

Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-17-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Monica Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-03-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-03-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspected by M Ordonez, HMS II Consent by R Sanchez
Eval Division: Los Angeles County Fire Department
Eval Program: HW
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: Not reported
Eval Division: Santa Monica Fire Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 143912
Site Name: Pioneer Magnetics
Site Address: 3122 NEBRASKA AVE
Site City: SANTA MONICA
Site Zip: 90404
Enf Action Date: 09-15-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Monica Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Coordinates:
Site ID: 143912

PIONEER MAGNETICS (Continued) **S121745197**

Facility Name:	Pioneer Magnetics
Env Int Type Code:	HWG
Program ID:	10125313
Coord Name:	Not reported
Ref Point Type Desc:	Unknown
Latitude:	34.032143
Longitude:	-118.462204

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Santa Monica Fire Dept
Entity Title:	Not reported
Affiliation Address:	333 Olympic Drive 2nd Floor
Affiliation City:	Santa Monica
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90401
Affiliation Phone:	(310) 434-2666

Affiliation Type Desc:	Document Preparer
Entity Name:	Roman Sanchez
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:	Roman Sanchez
Entity Title:	Not reported
Affiliation Address:	1745 Berkeley St
Affiliation City:	Santa Monica
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90404
Affiliation Phone:	(310) 829-6759

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1745 Berkeley St
Affiliation City:	Santa Monica
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90404
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Jerry Rosenstein
Entity Title:	President
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

PIONEER MAGNETICS (Continued) **S121745197**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Allen Rosenstein
Entity Title:	Not reported
Affiliation Address:	1745 Berkeley St
Affiliation City:	Santa Monica
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90404
Affiliation Phone:	(310) 829-6751
Affiliation Type Desc:	Operator
Entity Name:	Jerry Rosenstein
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) 829-6751
Affiliation Type Desc:	Parent Corporation
Entity Name:	Pioneer Magnetics
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:	Allen Rosenstein
Entity Title:	Not reported
Affiliation Address:	1745 Bekerley St.
Affiliation City:	Santa Monica
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90404
Affiliation Phone:	(310) 829-6751

J52 **PLASTIGLADE MFG. CORP.** **SEMS-ARCHIVE** **1000893646**
WSW **3122 NEBRASKA AVE.** **CA0000477042**
1/8-1/4 **SANTA MONICA, CA 90404**
0.141 mi.
743 ft. **Site 5 of 5 in cluster J**

Relative:
Lower

Actual:
159 ft.

SEMS Archive:

Site ID:	905088
EPA ID:	CA0000477042
Cong District:	27
FIPS Code:	6037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

PLASTIGLADE MFG. CORP. (Continued) **1000893646**

SEMS Archive Detail:

Region:	9
Site ID:	905088
EPA ID:	CA0000477042
Site Name:	PLASTIGLADE MFG. CORP.
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2013-11-07 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	905088
EPA ID:	CA0000477042
Site Name:	PLASTIGLADE MFG. CORP.
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-03-22 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

Region:	9
Site ID:	905088
EPA ID:	CA0000477042
Site Name:	PLASTIGLADE MFG. CORP.
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-07-29 00:00:00
Finish Date:	1994-07-29 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

N53 **MARTIN CADILLAC COMPANY, INC** **UST** **U003781660**
ESE **12101 W OLYMPIC BLVD** **SWEEPS UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90064**
0.143 mi.
753 ft. **Site 1 of 4 in cluster N**

Relative:
Lower

Actual:
156 ft.

UST:

Facility ID:	Not reported
Permitting Agency:	Los Angeles City Fire Department
Latitude:	34.03282

MARTIN CADILLAC COMPANY, INC (Continued) **U003781660**

Longitude: -118.45536

Facility ID: 25425
Permitting Agency: LOS ANGELES, CITY OF
Latitude: 34.0341432
Longitude: -118.4536485

SWEEPS UST:
Status: Active
Comp Number: 1720
Number: 9
Board Of Equalization: 44-011940
Referral Date: 01-22-93
Action Date: 03-24-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001720-000001
Tank Status: A
Capacity: 10000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 7

Status: Active
Comp Number: 1720
Number: 9
Board Of Equalization: 44-011940
Referral Date: 01-22-93
Action Date: 03-24-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001720-000002
Tank Status: A
Capacity: 1000
Active Date: 04-20-88
Tank Use: CHEMICAL
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Status: Active
Comp Number: 1720
Number: 9
Board Of Equalization: 44-011940
Referral Date: 01-22-93
Action Date: 03-24-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001720-000003
Tank Status: A
Capacity: 550
Active Date: 04-20-88
Tank Use: CHEMICAL
STG: P
Content: UNKNOWN

MARTIN CADILLAC COMPANY, INC (Continued) **U003781660**

Number Of Tanks: Not reported

Status: Active
Comp Number: 1720
Number: 9
Board Of Equalization: 44-011940
Referral Date: 01-22-93
Action Date: 03-24-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001720-000004
Tank Status: A
Capacity: 550
Active Date: 04-20-88
Tank Use: CHEMICAL
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Status: Active
Comp Number: 1720
Number: 9
Board Of Equalization: 44-011940
Referral Date: 01-22-93
Action Date: 03-24-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001720-000005
Tank Status: A
Capacity: 1000
Active Date: 04-20-88
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

Status: Active
Comp Number: 1720
Number: 9
Board Of Equalization: 44-011940
Referral Date: 01-22-93
Action Date: 03-24-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001720-000006
Tank Status: A
Capacity: 1500
Active Date: 04-20-88
Tank Use: CHEMICAL
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Status: Active
Comp Number: 1720
Number: 9
Board Of Equalization: 44-011940

MARTIN CADILLAC COMPANY, INC (Continued) **U003781660**

Referral Date:	01-22-93
Action Date:	03-24-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001720-000007
Tank Status:	A
Capacity:	150
Active Date:	04-20-88
Tank Use:	CHEMICAL
STG:	P
Content:	UNKNOWN
Number Of Tanks:	Not reported

N54
ESE
1/8-1/4
0.143 mi.
753 ft.

MARTIN CADILLAC COMPANY INC
12101 WEST OLYMPIC BOULEVARD
LOS ANGELES, CA 90064

HIST UST **S118412717**
N/A

Site 2 of 4 in cluster N

Relative:
Lower

Actual:
156 ft.

HIST UST:

File Number:	00027A73
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027A73.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:

N55
ESE
1/8-1/4
0.143 mi.
753 ft.

MARTIN CADILLAC CO INC
12101 W OLYMPIC BLVD
LOS ANGELES, CA 90064

RCRA-SQG **1000412256**
HIST UST **CAD007873383**
CA FID UST
HAZNET

Site 3 of 4 in cluster N

Relative:
Lower

Actual:
156 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	MARTIN CADILLAC CO INC
Facility address:	12101 W OLYMPIC BLVD LOS ANGELES, CA 90064
EPA ID:	CAD007873383

MARTIN CADILLAC CO INC (Continued) **1000412256**

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:	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:	DANA R MARTIN
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

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

MARTIN CADILLAC CO INC (Continued) **1000412256**

Used oil transporter: No

Historical Generators:
Date form received by agency: 09/01/1996
Site name: MARTIN CADILLAC CO INC
Classification: Small Quantity Generator

Date form received by agency: 12/16/1980
Site name: MARTIN CADILLAC CO INC
Classification: Large Quantity Generator

Violation Status: No violations found

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000029263
Facility Type: Other
Other Type: AUTO DEALERSHIP
Contact Name: EDWIN A. WILSON
Telephone: 2138203611
Owner Name: MARTIN CADILLAC COMPANY, INC.
Owner Address: 12101 WEST OLYMPIC BOULEVARD
Owner City,St,Zip: LOS ANGELES, CA 90064
Total Tanks: 0007

Tank Num: 001
Container Num: 1
Year Installed: 1976
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1976
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1976
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: 1976

MARTIN CADILLAC CO INC (Continued) **1000412256**

Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 005
Container Num: 5
Year Installed: 1976
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 006
Container Num: 6
Year Installed: 1976
Tank Capacity: 00001500
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 007
Container Num: 7
Year Installed: 1976
Tank Capacity: 00000150
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

CA FID UST:
Facility ID: 19028122
Regulated By: UTNKA
Regulated ID: 00029263
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2138203611
Mail To: Not reported
Mailing Address: 12101 W OLYMPIC BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900640000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HAZNET:
envid: 1000412256
Year: 2016
GEPAID: CAD007873383

MARTIN CADILLAC CO INC (Continued) **1000412256**

Contact:	KATHLEEN KOEPNICK
Telephone:	3108203611
Mailing Name:	Not reported
Mailing Address:	12101 W OLYMPIC BLVD
Mailing City,St,Zip:	LOS ANGELES, CA 900640000
Gen County:	Los Angeles
TSD EPA ID:	CAD008252405
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.10425
Cat Decode:	Aqueous solution with total organic residues 10 percent or more
Method Decode:	Fuel Blending Prior To Energy Recovery At Another Site
Facility County:	Los Angeles

envid:	1000412256
Year:	2016
GEPAID:	CAD007873383
Contact:	KATHLEEN KOEPNICK
Telephone:	3108203611
Mailing Name:	Not reported
Mailing Address:	12101 W OLYMPIC BLVD
Mailing City,St,Zip:	LOS ANGELES, CA 900640000
Gen County:	Los Angeles
TSD EPA ID:	CAD008252405
TSD County:	Los Angeles
Waste Category:	Unspecified solvent mixture
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.1548
Cat Decode:	Unspecified solvent mixture
Method Decode:	Fuel Blending Prior To Energy Recovery At Another Site
Facility County:	Los Angeles

envid:	1000412256
Year:	2016
GEPAID:	CAD007873383
Contact:	KATHLEEN KOEPNICK
Telephone:	3108203611
Mailing Name:	Not reported
Mailing Address:	12101 W OLYMPIC BLVD
Mailing City,St,Zip:	LOS ANGELES, CA 900640000
Gen County:	Los Angeles
TSD EPA ID:	CAL000330453
TSD County:	Los Angeles
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.225
Cat Decode:	Other organic solids
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

envid:	1000412256
Year:	2016
GEPAID:	CAD007873383
Contact:	KATHLEEN KOEPNICK

MARTIN CADILLAC CO INC (Continued) **1000412256**

Telephone:	3108203611
Mailing Name:	Not reported
Mailing Address:	12101 W OLYMPIC BLVD
Mailing City,St,Zip:	LOS ANGELES, CA 900640000
Gen County:	Los Angeles
TSD EPA ID:	CAL000330453
TSD County:	Los Angeles
Waste Category:	Other organic solids
Disposal Method:	Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons:	0.45
Cat Decode:	Other organic solids
Method Decode:	Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Facility County:	Los Angeles

envid:	1000412256
Year:	2015
GEPAID:	CAD007873383
Contact:	KATHLEEN KOEPNICK
Telephone:	3108203611
Mailing Name:	Not reported
Mailing Address:	12101 W OLYMPIC BLVD
Mailing City,St,Zip:	LOS ANGELES, CA 900640000
Gen County:	Los Angeles
TSD EPA ID:	CAD008252405
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.0834
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access
51 additional CA_HAZNET: record(s) in the EDR Site Report.

N56 **MARTIN CADILLAC** **AST** **A100422208**
ESE **12101 W OLYMPIC BLVD** **N/A**
1/8-1/4 **LOS ANGELES, CA 90064**
0.143 mi.
753 ft. **Site 4 of 4 in cluster N**

Relative:
Lower

Actual:
156 ft.

AST:

Certified Unified Program Agencies:	Not reported
Owner:	MARTIN CADILLAC
Total Gallons:	Not reported
CERSID:	10246495
Facility ID:	Not reported
Business Name:	MARTIN CADILLAC
Phone:	(310) 820-3611
Fax:	Not reported
Mailing Address:	12101 OLYMPIC BLVD
Mailing Address City:	LOS ANGELES
Mailing Address State:	CA
Mailing Address Zip Code:	90064
Operator Name:	MARTIN CADILLAC
Operator Phone:	(310) 820-3611
Owner Phone:	(310) 820-3611
Owner Mail Address:	12101 OLYMPIC BLVD

MARTIN CADILLAC (Continued) **A100422208**

Owner State:	CA
Owner Zip Code:	90064
Owner Country:	United States
Property Owner Name:	PHILENA PROPERTIES
Property Owner Phone:	Not reported
Property Owner Mailing Address:	12101 OLYMPIC BLVD
Property Owner City:	LOS ANGELES
Property Owner Stat :	CA
Property Owner Zip Code:	90064
Property Owner Country:	United States
EPAID:	CAD007873383

O57 **LANTANA SOUTH LLC-MAQUIRE PROPERTIES** **LUST** **S104581852**
South **3301 EXPOSITION BLVD.** **N/A**
1/8-1/4 **SANTA MONICA, CA 90404**
0.145 mi.
764 ft. **Site 1 of 2 in cluster O**

Relative:
Lower

Actual:
150 ft.

LUST:

Lead Agency:	SANTA MONICA, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603795042
Global Id:	T0603795042
Latitude:	34.029549
Longitude:	-118.457897
Status:	Completed - Case Closed
Status Date:	09/12/2007
Case Worker:	MH
RB Case Number:	Not reported
Local Agency:	SANTA MONICA, 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, * Solvents
Site History:	Not reported

LUST:

Global Id:	T0603795042
Contact Type:	Local Agency Caseworker
Contact Name:	MONICA HANLEY
Organization Name:	SANTA MONICA, CITY OF
Address:	333 Olympic Drive - 2nd Floor
City:	SANTA MONICA
Email:	monica.hanley@smgov.net
Phone Number:	Not reported

Global Id:	T0603795042
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:	T0603795042
Action Type:	Other

LANTANA SOUTH LLC-MAQUIRE PROPERTIES (Continued) **S104581852**

Date:	03/23/2007
Action:	Leak Reported
Global Id:	T0603795042
Action Type:	REMEDIATION
Date:	03/13/2007
Action:	Not reported
Global Id:	T0603795042
Action Type:	Other
Date:	03/13/2007
Action:	Leak Discovery

LUST:

Global Id:	T0603795042
Status:	Open - Case Begin Date
Status Date:	03/01/2007
Global Id:	T0603795042
Status:	Open - Site Assessment
Status Date:	03/01/2007
Global Id:	T0603795042
Status:	Open - Site Assessment
Status Date:	03/23/2007
Global Id:	T0603795042
Status:	Open - Remediation
Status Date:	04/01/2007
Global Id:	T0603795042
Status:	Completed - Case Closed
Status Date:	09/12/2007

O58 **LANTANA SOUTH D/MAGUIRE PRPOERTIES** **RCRA-CESQG** **1012175817**
South **3301 EXPOSITION BOULEVARD** **CAP000182964**
1/8-1/4 **SANTA MONICA, CA 90404**
0.145 mi.
764 ft. **Site 2 of 2 in cluster O**

Relative:
Lower

Actual:
150 ft.

RCRA-CESQG:

Date form received by agency:	06/16/2008
Facility name:	LANTANA SOUTH D/MAGUIRE PRPOERTIES
Facility address:	3301 EXPOSITION BOULEVARD SANTA MONICA, CA 90404
EPA ID:	CAP000182964
Mailing address:	355 SOUTH GRAND AVENUE SUITE 3300 LOS ANGELES, CA 90071
Contact:	ROBERT PINKERTON
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	213-626-3300
Telephone ext.:	4430
Contact email:	ROB.PINKERTON@MAGUIREPROPERTIES.COM

LANTANA SOUTH D/MAGUIRE PRPOERTIES (Continued) **1012175817**

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:	MAGUIRE PRPOERTIES - LANTAN SOUTH
Owner/operator address:	355 SOUTH GRAND AVE, #3300 LOS ANGELES, CA 90071
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:	11/02/2004
Owner/Op end date:	Not reported

Owner/operator name:	MAGUIRE PROPERTIES - LANTAN SOUTH LLC
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:	11/02/2004
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

LANTANA SOUTH D/MAGUIRE PRPOERTIES (Continued) **1012175817**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. 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.

Violation Status: No violations found

M59
SE
1/8-1/4
0.148 mi.
780 ft.

BARCO AVIATION, INC
12322 EXPOSITION BLVD
LOS ANGELES, CA 90064

SWEEPS UST **S101588324**
CA FID UST **N/A**

Site 2 of 2 in cluster M

Relative:
Lower

Actual:
152 ft.

SWEEPS UST:
Status: Active
Comp Number: 8018
Number: 1
Board Of Equalization: Not reported
Referral Date: 06-01-93
Action Date: 06-01-93
Created Date: 06-29-92
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

CA FID UST:
Facility ID: 19056570
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 12322 EXPOSITION BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 90064
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

L60 East 1/8-1/4 0.158 mi. 832 ft. | **CORNERSTONE PLAZA**
1990 S BUNDY DRIVE
LOS ANGELES, CA 90025 | **SWEEPS UST**
CA FID UST
HAZNET | **S101588249**
N/A

Site 2 of 2 in cluster L

Relative: Higher

Actual: 162 ft.

SWEEPS UST:

Status:	Active
Comp Number:	7368
Number:	3
Board Of Equalization:	Not reported
Referral Date:	02-25-93
Action Date:	02-25-93
Created Date:	02-29-88
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

CA FID UST:

Facility ID:	19056490
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2138268344
Mail To:	Not reported
Mailing Address:	1990 S BUNDY DR
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900250000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

HAZNET:

envid:	S101588249
Year:	2016
GEPAID:	CAC002878456
Contact:	LUIS PASILLA
Telephone:	8184828017
Mailing Name:	Not reported
Mailing Address:	1990 S BUNDY DRIVE
Mailing City,St,Zip:	LOS ANGELES, CA 90025
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect

CORNERSTONE PLAZA (Continued) **S101588249**

Tons: 0.105
Cat Decode: Aqueous solution with total organic residues less than 10 percent
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: Los Angeles

P61 SW 1/8-1/4 0.163 mi. 863 ft. **WESTCOAST WOOD WORKING & MFG.** **SEMS-ARCHIVE** **1003879967**
1816 BERKELEY ST. **CA0000476580**
SANTA MONICA, CA 90404

Site 1 of 2 in cluster P

Relative: Lower
Actual: 157 ft.

SEMS Archive:
Site ID: 905097
EPA ID: CA0000476580
Cong District: 27
FIPS Code: 6037
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: 9
Site ID: 905097
EPA ID: CA0000476580
Site Name: WESTCOAST WOOD WORKING & MFG.
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1999-08-04 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 9
Site ID: 905097
EPA ID: CA0000476580
Site Name: WESTCOAST WOOD WORKING & MFG.
NPL: N
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1994-07-29 00:00:00
Finish Date: 1994-07-29 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 905097
EPA ID: CA0000476580
Site Name: WESTCOAST WOOD WORKING & MFG.
NPL: N
FF: N

WESTCOAST WOOD WORKING & MFG. (Continued) **1003879967**

OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1999-02-23 00:00:00
Finish Date:	1999-08-04 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

Q62
WSW
1/8-1/4
0.182 mi.
961 ft.

HIGHLAND ENGINEERING **ENVIROSTOR** **S112057203**
1942 BERKEKLEY AVE. **N/A**
SANTA MONICA, CA 90404

Site 1 of 8 in cluster Q

Relative:
Lower

Actual:
160 ft.

ENVIROSTOR:

Facility ID:	60001736
Status:	No Further Action
Status Date:	06/30/1997
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	LOS ANGELES COUNTY
Lead Agency:	LOS ANGELES COUNTY
Program Manager:	Lori Parnass
Supervisor:	Juli Propes
Division Branch:	Cleanup Cypress
Assembly:	41
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	34.03215
Longitude:	-118.4631
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NMA
Alias Name:	60001736
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:	06/30/1997
Comments:	No Further Action
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

HIGHLAND ENGINEERING (Continued) **S112057203**

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

P63 **JOHN DRESCHER PROPERTY** **LUST** **S101298079**
SW **1815 STANFORD** **HIST CORTESE** **N/A**
1/8-1/4 **SANTA MONICA, CA 90405**
0.182 mi.
962 ft. **Site 2 of 2 in cluster P**

Relative:
Lower

Actual:
157 ft.

LUST:
Lead Agency: SANTA MONICA, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701408
Global Id: T0603701408
Latitude: 34.031106
Longitude: -118.4636569
Status: Completed - Case Closed
Status Date: 06/28/2013
Case Worker: MH
RB Case Number: 904040270
Local Agency: SANTA MONICA, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Stoddard solvent / Mineral Spriits / Distillates
Site History: Not reported

LUST:
Global Id: T0603701408
Contact Type: Local Agency Caseworker
Contact Name: MONICA HANLEY
Organization Name: SANTA MONICA, CITY OF
Address: 333 Olympic Drive - 2nd Floor
City: SANTA MONICA
Email: monica.hanley@smgov.net
Phone Number: Not reported

Global Id: T0603701408
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: T0603701408
Action Type: Other
Date: 07/17/1992
Action: Leak Discovery

Global Id: T0603701408
Action Type: Other
Date: 07/17/1992
Action: Leak Stopped

JOHN DRESCHER PROPERTY (Continued) **S101298079**

Global Id: T0603701408
Action Type: Other
Date: 07/29/1992
Action: Leak Reported

LUST:
Global Id: T0603701408
Status: Open - Case Begin Date
Status Date: 07/17/1992

Global Id: T0603701408
Status: Open - Site Assessment
Status Date: 07/29/1992

Global Id: T0603701408
Status: Completed - Case Closed
Status Date: 06/28/2013

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 904040270
Status: Preliminary site assessment underway
Substance: Naphtha Distillate
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603701408
W Global ID: Not reported
Staff: UNK
Local Agency: 19033
Cross Street: PENNSYLVANIA
Enforcement Type: Not reported
Date Leak Discovered: 7/17/1992
Date Leak First Reported: 7/29/1992
Date Leak Record Entered: 8/7/1992
Date Confirmation Began: Not reported
Date Leak Stopped: 7/17/1992
Date Case Last Changed on Database: 8/14/1992
Date the Case was Closed: Not reported
How Leak Discovered: Subsurface Monitoring
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: DRESCHER, JOHN
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 251.0013709066181217543306711 3
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 7/29/1992
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported

JOHN DRESCHER PROPERTY (Continued) **S101298079**

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:	BLANK RP
RP Address:	Not reported
Program:	LUST
Lat/Long:	34.031106 / -1
Local Agency Staff:	UNK
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:	904040270

Q64 **H. BEHLEN & BROS. (PIONEER MAGNETICS)** **ENVIROSTOR** **S112057207**
WSW **1755 BERKELEY STREET** **N/A**
1/8-1/4 **SANTA MONICA, CA 90404**
0.188 mi.
990 ft. **Site 2 of 8 in cluster Q**

Relative:
Lower

Actual:
160 ft.

ENVIROSTOR:

Facility ID:	60001745
Status:	No Further Action
Status Date:	07/13/1998
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	LOS ANGELES COUNTY
Lead Agency:	LOS ANGELES COUNTY
Program Manager:	Johnson Abraham
Supervisor:	Shahir Haddad
Division Branch:	Cleanup Cypress
Assembly:	41
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	34.03295
Longitude:	-118.4636

H. BEHLEN & BROS. (PIONEER MAGNETICS) (Continued) **S112057207**

APN: NONE SPECIFIED
Past Use: NONE
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: No Contaminants found
Potential Description: NMA
Alias Name: 60001745
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: 07/13/1998
Comments: No Further Action

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

Q65
WSW
1/8-1/4
0.188 mi.
990 ft.

H. BEHLEN & BROS. **SEMS-ARCHIVE** **1003879970**
1755 BERKELEY AVE. **CA0000476531**
SANTA MONICA, CA 90404

Site 3 of 8 in cluster Q

Relative:
Lower

Actual:
160 ft.

SEMS Archive:
Site ID: 905100
EPA ID: CA0000476531
Cong District: 27
FIPS Code: 6037
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: 9
Site ID: 905100
EPA ID: CA0000476531
Site Name: H. BEHLEN & BROS.
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 2000-03-22 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 9
Site ID: 905100
EPA ID: CA0000476531

H. BEHLEN & BROS. (Continued) **1003879970**

Site Name:	H. BEHLEN & BROS.
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-07-29 00:00:00
Finish Date:	1994-07-29 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	905100
EPA ID:	CA0000476531
Site Name:	H. BEHLEN & BROS.
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-03-22 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

66
SE
1/8-1/4
0.193 mi.
1017 ft.

ROTOFLOW CORPORATION
2235 S CARMELINA AVE
LOS ANGELES, CA 90064

RCRA-SQG **1000332446**
FINDS **CAD982029696**
ECHO

Relative:
Lower

Actual:
150 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	ROTOFLOW CORPORATION
Facility address:	2235 S CARMELINA AVE LOS ANGELES, CA 90064
EPA ID:	CAD982029696
Mailing address:	S CARMELINA AVE LOS ANGELES, CA 90064
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:

ROTOFLOW CORPORATION (Continued) **1000332446**

Owner/operator name:	ROTOFLOW CORPORATION
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:

Registry ID: 110002782221

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.

ROTOFLOW CORPORATION (Continued) **1000332446**

Click this hyperlink while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000332446
Registry ID:	110002782221
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002782221

R67 **BUNDY CLEANERS, INC** **DRYCLEANERS** **S121695212**
ESE **2139 S BUNDY DR** **N/A**
1/8-1/4 **LOS ANGELES, CA 90064**
0.198 mi.
1048 ft. **Site 1 of 12 in cluster R**

Relative:
Lower

Actual:
155 ft.

DRYCLEAN SOUTH COAST:

Facility ID:	13617
Application Number:	A41614
Permit Number:	P21758
Status:	O
Representative Name:	Not reported
Representative Telephone:	Not reported
Permit Status:	INACTIVE
BCAT Number:	000233
BCAT Description:	DRY CLEANING EQUIP PETROLEUM SOLVENT
UTM East:	0
UTM North:	0

Facility ID:	13617
Application Number:	A41615
Permit Number:	P21759
Status:	O
Representative Name:	Not reported
Representative Telephone:	Not reported
Permit Status:	INACTIVE
BCAT Number:	000233
BCAT Description:	DRY CLEANING EQUIP PETROLEUM SOLVENT
UTM East:	0
UTM North:	0

Facility ID:	13617
Application Number:	A41616
Permit Number:	P21760
Status:	O
Representative Name:	Not reported
Representative Telephone:	Not reported
Permit Status:	INACTIVE
BCAT Number:	000233
BCAT Description:	DRY CLEANING EQUIP PETROLEUM SOLVENT
UTM East:	0
UTM North:	0

Facility ID:	13617
Application Number:	A41617
Permit Number:	P21761
Status:	O
Representative Name:	Not reported

BUNDY CLEANERS, INC (Continued) **S121695212**

Representative Telephone:	Not reported
Permit Status:	INACTIVE
BCAT Number:	000233
BCAT Description:	DRY CLEANING EQUIP PETROLEUM SOLVENT
UTM East:	0
UTM North:	0

R68 **BUNDY CLEANERS INC** **UST** **U003780463**
ESE **2139 S BUNDY DR** **SWEEPS UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90064**
0.198 mi.
1048 ft. **Site 2 of 12 in cluster R**

Relative:
Lower

Actual:
155 ft.

UST:

Facility ID:	24020
Permitting Agency:	LOS ANGELES, CITY OF
Latitude:	34.033168
Longitude:	-118.452768

SWEEPS UST:

Status:	Active
Comp Number:	2864
Number:	1
Board Of Equalization:	44-012598
Referral Date:	04-21-93
Action Date:	04-19-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-002864-000001
Tank Status:	A
Capacity:	1000
Active Date:	04-20-88
Tank Use:	CHEMICAL
STG:	P
Content:	UNKNOWN
Number Of Tanks:	1

R69 **BUNDY CLEANERS INC** **HIST UST** **S101586037**
ESE **2139 S BUNDY DR** **CA FID UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90064** **DRYCLEANERS**
0.198 mi. **EMI**
1048 ft. **Site 3 of 12 in cluster R**

Relative:
Lower

Actual:
155 ft.

HIST UST:

File Number:	00027360
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027360.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

BUNDY CLEANERS INC (Continued) **S101586037**

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:

CA FID UST:

Facility ID:	19036800
Regulated By:	UTNKA
Regulated ID:	00050954
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2134791939
Mail To:	Not reported
Mailing Address:	2139 BUNDY
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900640000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

DRYCLEAN SOUTH COAST:

Facility ID:	40339
Application Number:	112078
Permit Number:	M32766
Status:	O
Representative Name:	S. D. KIM
Representative Telephone:	213 4791939
Permit Status:	INACT_NR
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
UTM East:	366
UTM North:	3766.3999023

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	40339
Air District Name:	SC
SIC Code:	7216
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

BUNDY CLEANERS INC (Continued) **S101586037**

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:	40339
Air District Name:	SC
SIC Code:	7216
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

R70 **BUDY CLEANERS** **HIST UST** **U001562406**
ESE **2139 S BUNDY DR** **N/A**
1/8-1/4 **LOS ANGELES, CA 90064**
0.198 mi.
1048 ft. **Site 4 of 12 in cluster R**

Relative:
Lower

Actual:
155 ft.

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000050954
Facility Type:	Other
Other Type:	CLEANERS
Contact Name:	Not reported
Telephone:	2134792869
Owner Name:	KIM SAE D.
Owner Address:	2139 SO. BUNDY DR.
Owner City,St,Zip:	LOS ANGELES, CA 90064
Total Tanks:	0001

Tank Num:	001
Container Num:	1
Year Installed:	1967
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

S71 ESE 1/8-1/4 0.204 mi. 1079 ft.

POLEY SERVICE CTR
2050 BUNDY DR
WEST LOS ANGELES, CA 90025

RCRA-SQG
FINDS
ECHO

1000686183
CAD983634189

Site 1 of 7 in cluster S

Relative: Lower

Actual: 158 ft.

RCRA-SQG:

Date form received by agency:	04/14/1992
Facility name:	POLEY SERVICE CTR
Facility address:	2050 BUNDY DR WEST LOS ANGELES, CA 90025
EPA ID:	CAD983634189
Contact:	GOODEN JR WALTER
Contact address:	2050 BUNDY DR WEST LOS ANGELES, CA 90025
Contact country:	US
Contact telephone:	310-820-5952
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:	WALTER C GOODEN JR
Owner/operator address:	2050 BUNDY DR STE 290 WEST LOS ANGELES, CA 90025
Owner/operator country:	Not reported
Owner/operator telephone:	310-820-5952
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

Violation Status: No violations found

POLEY SERVICE CTR (Continued) **1000686183**

FINDS:

Registry ID: 110002874907

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: 1000686183
Registry ID: 110002874907
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002874907

S72 **ROLEX AUTHORIZED SERVICE CTR** **RCRA-SQG** **1000597285**
ESE **2050 BUNDY DR STE 290** **FINDS** **CAD983612888**
1/8-1/4 **LOS ANGELES, CA 90034** **ECHO**
0.204 mi.
1079 ft. **Site 2 of 7 in cluster S**

Relative:
Lower

Actual:
158 ft.

RCRA-SQG:
Date form received by agency: 11/11/1991
Facility name: ROLEX AUTHORIZED SERVICE CTR
Facility address: 2050 BUNDY DR STE 290
LOS ANGELES, CA 90034
EPA ID: CAD983612888
Contact: WALTER GOODEN
Contact address: 2050 BUNDY DR STE 290
LOS ANGELES, CA 90034
Contact country: US
Contact telephone: 213-820-5952
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: WALTER GOODEN JR
Owner/operator address: 2050 BUNDY DR STE 290
LOS ANGELES, CA 90034
Owner/operator country: Not reported
Owner/operator telephone: 213-820-5952
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported

ROLEX AUTHORIZED SERVICE CTR (Continued) **1000597285**

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: 110002864687

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: 1000597285
Registry ID: 110002864687
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002864687

73
East
1/8-1/4
0.207 mi.
1091 ft.

UNILAB WEST L A STAT LAB
11915 LA GRANGE AVE
LOS ANGELES, CA 90025

RCRA-SQG **1000820444**
CAD983664814

Relative:
Higher

Actual:
163 ft.

RCRA-SQG:
Date form received by agency: 10/31/2001
Facility name: UNILAB WEST L A STAT LAB
Facility address: 11915 LA GRANGE AVE
LOS ANGELES, CA 90025-5213
EPA ID: CAD983664814

UNILAB WEST L A STAT LAB (Continued) **1000820444**

Mailing address: 18408 OXNARD ST
TARZANA, CA 91356
Contact: JAN DEERING
Contact address: 18408 OXNARD ST
TARZANA, CA 91356
Contact country: US
Contact telephone: 818-996-7300
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: UNILAB CORPORATION
Owner/operator address: 18408 OXNARD ST
TARZANA, CA 91356
Owner/operator country: Not reported
Owner/operator telephone: 818-996-7300
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

. 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.

UNILAB WEST L A STAT LAB (Continued) **1000820444**

. 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.

. Waste code: U122
. Waste name: FORMALDEHYDE

Historical Generators:
Date form received by agency: 09/01/1996
Site name: UNILAB WEST L A STAT LAB
Classification: Small Quantity Generator

Violation Status: No violations found

T74 **KIPER LASCU** **RCRA-SQG** **1000472880**
SW **3000 W OLYMPIC BLVD STE 2200** **HAZNET** **CAD982434557**
1/8-1/4 **SANTA MONICA, CA 90404**
0.209 mi.
1102 ft. **Site 1 of 3 in cluster T**

Relative:
Lower
Actual:
155 ft.

RCRA-SQG:
Date form received by agency: 10/23/1990
Facility name: KIPER LASCU
Facility address: 3000 W OLYMPIC BLVD STE 2200
SANTA MONICA, CA 90404
EPA ID: CAD982434557
Contact: ENVIRONMENTAL MANAGER
Contact address: 3000 W OLYMPIC BLVD STE 2200
SANTA MONICA, CA 90404
Contact country: US
Contact telephone: 213-315-4889
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: GEORGE LASCU
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

KIPER LASCU (Continued) **1000472880**

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

HAZNET:
envid: 1000472880
Year: 1993
GEPAID: CAD982434557
Contact: GEORGE LASCU
Telephone: 4155551212
Mailing Name: Not reported
Mailing Address: 3000 W OLYMPIC BLVD STE 2200
Mailing City,St,Zip: SANTA MONICA, CA 904040000
Gen County: Not reported
TSD EPA ID: CAD108040858
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: 7.08000000000
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

T75 SW 1/8-1/4 0.209 mi. 1102 ft. | **DIGITAL MAGIC CO**
3000 W OLYMPIC BLVD STE 2500
SANTA MONICA, CA 90404
Site 2 of 3 in cluster T | **RCRA-SQG, FINDS, ECHO, HAZNET** | **1001217342**
CAR000032508

Relative: Lower
Actual: 155 ft.

RCRA-SQG:

Date form received by agency:	10/10/1997
Facility name:	DIGITAL MAGIC CO
Facility address:	3000 W OLYMPIC BLVD STE 2500 SANTA MONICA, CA 90404
EPA ID:	CAR000032508
Mailing address:	2813 W ALAMEDA AVE BURBANK, CA 91505
Contact:	MERLE SHARP
Contact address:	2813 W ALAMEDA AVE BURBANK, CA 91505
Contact country:	US
Contact telephone:	818-840-7239
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:	DIGITAL MAGIC CO
Owner/operator address:	2813 W ALAMEDA AVE BURBANK, CA 91505
Owner/operator country:	Not reported
Owner/operator telephone:	818-840-7000
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

DIGITAL MAGIC CO (Continued) **1001217342**

. 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.

. 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.

Historical Generators:
Date form received by agency: 10/10/1997
Site name: DIGITAL MAGIC CO
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110009553107

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: 1001217342
Registry ID: 110009553107
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110009553107

HAZNET:
envid: 1001217342
Year: 2001
GEPAID: CAR000032508
Contact: JEFF QUINN CHIEF ENGINEER
Telephone: 8188407944
Mailing Name: Not reported

DIGITAL MAGIC CO (Continued) **1001217342**

Mailing Address:	2813 W ALAMEDA AVE
Mailing City,St,Zip:	BURBANK, CA 915050000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Recycler
Tons:	0.08
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1001217342
Year:	2000
GEPAID:	CAR000032508
Contact:	JEFF QUINN CHIEF ENGINEER
Telephone:	8188407944
Mailing Name:	Not reported
Mailing Address:	2813 W ALAMEDA AVE
Mailing City,St,Zip:	BURBANK, CA 915050000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Recycler
Tons:	0.12
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1001217342
Year:	1999
GEPAID:	CAR000032508
Contact:	DIGITAL MAGIC CO
Telephone:	8188407000
Mailing Name:	Not reported
Mailing Address:	2813 W ALAMEDA AVE
Mailing City,St,Zip:	BURBANK, CA 915050000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Recycler
Tons:	.2293
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1001217342
Year:	1998
GEPAID:	CAR000032508
Contact:	DIGITAL MAGIC CO
Telephone:	8188407000
Mailing Name:	Not reported
Mailing Address:	2813 W ALAMEDA AVE
Mailing City,St,Zip:	BURBANK, CA 915050000
Gen County:	Not reported

DIGITAL MAGIC CO (Continued) **1001217342**

TSD EPA ID:	CAD009452657
TSD County:	Not reported
Waste Category:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	Recycler
Tons:	.3127
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1001217342
Year:	1998
GEPAID:	CAR000032508
Contact:	DIGITAL MAGIC CO
Telephone:	8188407000
Mailing Name:	Not reported
Mailing Address:	2813 W ALAMEDA AVE
Mailing City,St,Zip:	BURBANK, CA 915050000
Gen County:	Not reported
TSD EPA ID:	CAD000088252
TSD County:	Not reported
Waste Category:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	Transfer Station
Tons:	.2085
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.

T76 **SYSTEM DEVELOPMENT CORPORATION** **RCRA-SQG** **1000400216**
SW **3000 OLYMPIC BLVD** **FINDS** **CAD981402167**
1/8-1/4 **SANTA MONICA, CA 90406** **ECHO**
0.209 mi.
1102 ft. **Site 3 of 3 in cluster T**

Relative:
Lower

Actual:
155 ft.

RCRA-SQG:

Date form received by agency:	05/02/1986
Facility name:	SYSTEM DEVELOPMENT CORPORATION
Facility address:	3000 OLYMPIC BLVD SANTA MONICA, CA 90406
EPA ID:	CAD981402167
Mailing address:	2525 COLORADO AVENUE SANTA MONICA, CA 90406
Contact:	ENVIRONMENTAL MANAGER
Contact address:	3000 OLYMPIC BLVD SANTA MONICA, CA 90406
Contact country:	US
Contact telephone:	213-453-6121
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

SYSTEM DEVELOPMENT CORPORATION (Continued) **1000400216**

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
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:	JULIUS LEFKOWITZ
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

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: 110002695254

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

SYSTEM DEVELOPMENT CORPORATION (Continued) **1000400216**

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:	1000400216
Registry ID:	110002695254
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002695254

Q77
WSW
1/8-1/4
0.209 mi.
1102 ft.

F. A. NUGIER CO.
1758 BERKELEY AVE.
SANTA MONICA, CA 90404

ENVIROSTOR **S112057200**
N/A

Site 4 of 8 in cluster Q

Relative:
Lower

Actual:
160 ft.

ENVIROSTOR:

Facility ID:	60001730
Status:	No Further Action
Status Date:	05/08/2013
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0.25
NPL:	NO
Regulatory Agencies:	LOS ANGELES COUNTY
Lead Agency:	LOS ANGELES COUNTY
Program Manager:	Lori Parnass
Supervisor:	Juli Propes
Division Branch:	Cleanup Cypress
Assembly:	41
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	34.03271
Longitude:	-118.4637
APN:	NONE SPECIFIED
Past Use:	NONE
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NMA
Alias Name:	60001730
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:	06/30/1997
Comments:	No Further Action
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported

F. A. NUGIER CO. (Continued) **S112057200**

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

Q78
WSW
1/8-1/4
0.209 mi.
1102 ft.

T.H. NUGIER CO. / CARSON MFG. CO. **SEMS-ARCHIVE** **1003879971**
1758 BERKELEY AVE. **CA0000476515**
SANTA MONICA, CA 90404

Site 5 of 8 in cluster Q

Relative:
Lower

Actual:
160 ft.

SEMS Archive:

Site ID:	905101
EPA ID:	CA0000476515
Cong District:	27
FIPS Code:	6037
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:	9
Site ID:	905101
EPA ID:	CA0000476515
Site Name:	T.H. NUGIER CO. / CARSON MFG. CO.
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-02-11 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	905101
EPA ID:	CA0000476515
Site Name:	T.H. NUGIER CO. / CARSON MFG. CO.
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-07-29 00:00:00
Finish Date:	1994-07-29 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	905101
EPA ID:	CA0000476515
Site Name:	T.H. NUGIER CO. / CARSON MFG. CO.
NPL:	N

T.H. NUGIER CO. / CARSON MFG. CO. (Continued) **1003879971**

FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-02-11 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

U79 **DOUGLAS AIRCRAFT PLT** **ENVIROSTOR** **S107736231**
SSW **N/A**
1/8-1/4 **SANTA MONICA, CA**
0.211 mi.
1112 ft. **Site 1 of 5 in cluster U**

Relative:
Lower

Actual:
150 ft.

ENVIROSTOR:

Facility ID:	80000074
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:	50
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	34.02916
Longitude:	-118.4611
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F531500
Alias Type:	Federal Facility ID
Alias Name:	J09CA0111
Alias Type:	INPR
Alias Name:	80000074
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:	08/10/1994
Comments:	Not reported

DOUGLAS AIRCRAFT PLT (Continued) **S107736231**

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

V80 **WEST LOS ANGELES ANIMAL SHELTE** **SWEEPS UST** **S101617292**
NE **11950 MISSOURI AVE** **HIST UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90025** **CA FID UST**
0.215 mi.
1135 ft. **Site 1 of 3 in cluster V**

Relative:
Higher

Actual:
170 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	2434
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-002434-000001
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	DIESEL
Number Of Tanks:	1

HIST UST:

File Number:	000275C0
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000275C0.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

WEST LOS ANGELES ANIMAL SHELTE (Continued) **S101617292**

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	19025214
Regulated By:	UTNKA
Regulated ID:	00047073
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2138202691
Mail To:	Not reported
Mailing Address:	200 N MAIN STREET-ROOM
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900250000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

V81 **LA WEST LOS ANGELES ANIMAL SHELTER** **RCRA-SQG** **1000436734**
NE **11950 W MISSOURI AVE** **FINDS** **CAD981988371**
1/8-1/4 **WEST LOS ANGELES, CA 90025** **ECHO**
0.215 mi. **HAZNET**
1135 ft. **Site 2 of 3 in cluster V**

Relative:
Higher

Actual:
170 ft.

RCRA-SQG:

Date form received by agency:	03/25/1987
Facility name:	LA WEST LOS ANGELES ANIMAL SHELTER
Facility address:	11950 W MISSOURI AVE WEST LOS ANGELES, CA 90025
EPA ID:	CAD981988371
Mailing address:	200 N MAIN RM EIGHTH HUNDREDCH LOS ANGELES, CA 90012
Contact:	ENVIRONMENTAL MANAGER
Contact address:	11950 W MISSOURI AVE WEST LOS ANGELES, CA 90025
Contact country:	US
Contact telephone:	213-485-7527
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:	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

LA WEST LOS ANGELES ANIMAL SHELTER (Continued) **1000436734**

Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CITY OF LOS ANGELES
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: Municipal
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: 110002767319

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: 1000436734
Registry ID: 110002767319

LA WEST LOS ANGELES ANIMAL SHELTER (Continued) **1000436734**

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002767319

HAZNET:

envid:	1000436734
Year:	1999
GEPAID:	CAD981988371
Contact:	CITY OF L A ANIMAL REGULATION
Telephone:	2138938400
Mailing Name:	Not reported
Mailing Address:	11950 MISSOURI AVE
Mailing City,St,Zip:	W LOS ANGELES, CA 900252001
Gen County:	Not reported
TSD EPA ID:	CAD009007626
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	.8428
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000436734
Year:	1993
GEPAID:	CAD981988371
Contact:	CITY OF L A ANIMAL REGULATION
Telephone:	2138938400
Mailing Name:	Not reported
Mailing Address:	11950 MISSOURI AVE
Mailing City,St,Zip:	W LOS ANGELES, CA 900252001
Gen County:	Not reported
TSD EPA ID:	CAD099452708
TSD County:	Not reported
Waste Category:	Unspecified aqueous solution
Disposal Method:	Recycler
Tons:	8.34000000000
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

V82 **WEST LOS ANGELES ANIMAL SHELTE** **HIST UST** **U001561136**
NE **11950 MISSOURI AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90025**
0.215 mi.
1135 ft. **Site 3 of 3 in cluster V**

Relative:
Higher

Actual:
170 ft.

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000047073
Facility Type:	Other
Other Type:	ANIMAL REGULATION
Contact Name:	KENNETH WILLIAMS, DIST. SUPERV
Telephone:	2138202691
Owner Name:	DEPARTMENT OF ANIMAL REGULATIO
Owner Address:	200 N. MAIN STREET, RM. 1650,
Owner City,St,Zip:	LOS ANGELES, CA 90012

WEST LOS ANGELES ANIMAL SHELTE (Continued) **U001561136**

Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	12
Leak Detection:	Not reported

Q83
WSW
1/8-1/4
0.215 mi.
1136 ft.

W.C. PRODUCTS INC. **SEMS-ARCHIVE** **1003879972**
1748 BERKELEY AVE. **CA0000476598**
SANTA MONICA, CA 90404

Site 6 of 8 in cluster Q

Relative:
Lower

Actual:
160 ft.

SEMS Archive:

Site ID:	905102
EPA ID:	CA0000476598
Cong District:	27
FIPS Code:	6037
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:	9
Site ID:	905102
EPA ID:	CA0000476598
Site Name:	W.C. PRODUCTS INC.
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1999-08-03 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	905102
EPA ID:	CA0000476598
Site Name:	W.C. PRODUCTS INC.
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-07-29 00:00:00
Finish Date:	1994-07-29 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9

W.C. PRODUCTS INC. (Continued) **1003879972**

Site ID:	905102
EPA ID:	CA0000476598
Site Name:	W.C. PRODUCTS INC.
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1999-02-23 00:00:00
Finish Date:	1999-08-03 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

R84 **UNION OIL SERVICE STATION 301** **HIST UST** **S118416431**
ESE **12100 WEST OLYMPIC BLVD** **N/A**
1/8-1/4 **LOS ANGELES, CA 90064**
0.217 mi.
1147 ft. **Site 5 of 12 in cluster R**

Relative:
Lower

Actual:
156 ft.

HIST UST:

File Number:	0002831A
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002831A.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:

R85 **MOBIL #18-G8L** **HIST CORTESE** **S105024660**
ESE **12100 OLYMPIC** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.217 mi.
1147 ft. **Site 6 of 12 in cluster R**

Relative:
Lower

Actual:
156 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA

MOBIL #18-G8L (Continued) **S105024660**

Reg Id: 900640098

R86
ESE
1/8-1/4
0.217 mi.
1147 ft.

UNION SERVICE STATION 3019
12100 W OLYMPIC BLVD
LOS ANGELES, CA 90064

SWEEPS UST **S101583097**
HIST UST **N/A**
CA FID UST

Site 7 of 12 in cluster R

Relative:
Lower

Actual:
156 ft.

SWEEPS UST:

Status:	Active
Comp Number:	1735
Number:	9
Board Of Equalization:	44-000051
Referral Date:	03-11-93
Action Date:	03-24-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001735-000001
Tank Status:	A
Capacity:	9940
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	4

Status:	Active
Comp Number:	1735
Number:	9
Board Of Equalization:	44-000051
Referral Date:	03-11-93
Action Date:	03-24-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001735-000002
Tank Status:	A
Capacity:	9940
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	1735
Number:	9
Board Of Equalization:	44-000051
Referral Date:	03-11-93
Action Date:	03-24-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001735-000003
Tank Status:	A
Capacity:	9940
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL

UNION SERVICE STATION 3019 (Continued) **S101583097**

Number Of Tanks: Not reported

Status: Active
Comp Number: 1735
Number: 9
Board Of Equalization: 44-000051
Referral Date: 03-11-93
Action Date: 03-24-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001735-000004
Tank Status: A
Capacity: 550
Active Date: 04-20-88
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

HIST UST:
File Number: 00028ECB
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028ECB.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:

CA FID UST:
Facility ID: 19002619
Regulated By: UTNKA
Regulated ID: 00029312
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134773205
Mail To: Not reported
Mailing Address: 911 WILSHIRE BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900640000
Contact: Not reported

UNION SERVICE STATION 3019 (Continued) **S101583097**

Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

R87
ESE
1/8-1/4
0.217 mi.
1147 ft.

UNION OIL SERVICE STATION #301 **HIST UST** **U001562430**
12100 W OLYMPIC BLVD **N/A**
LOS ANGELES, CA 90064

Site 8 of 12 in cluster R

Relative:
Lower

Actual:
156 ft.

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000056022
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	ABRAHAM Y. AJAMIAN
Telephone:	2134773205
Owner Name:	UNION OIL COMPANY OF CALIFORNI
Owner Address:	3701 WILSHIRE BOULEVARD-SUITE
Owner City,St,Zip:	LOS ANGELES, CA 90010
Total Tanks:	0001
Tank Num:	001
Container Num:	3019-00
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	None

R88
ESE
1/8-1/4
0.217 mi.
1147 ft.

76 PRODUCTS STATION #3019 **HIST CORTESE** **S105024661**
12100 OLYMPIC **N/A**
LOS ANGELES, CA

Site 9 of 12 in cluster R

Relative:
Lower

Actual:
156 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900640270

R89 ESE 1/8-1/4 0.217 mi. 1147 ft. | **76 PRODUCTS STATION #3019**
12100 OLYMPIC BLVD W
RANCHO PARK, CA 90064
Site 10 of 12 in cluster R | **LUST** | **S102590701**
N/A

Relative: Lower
Actual: 156 ft.

LUST:

Lead Agency:	LOS ANGELES, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701175
Global Id:	T0603701175
Latitude:	34.0322821
Longitude:	-118.4537797
Status:	Completed - Case Closed
Status Date:	02/28/2001
Case Worker:	EL
RB Case Number:	900640270
Local Agency:	LOS ANGELES, 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:	T0603701175
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

Global Id:	T0603701175
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:	T0603701175
Action Type:	Other
Date:	12/03/1992
Action:	Leak Discovery

Global Id:	T0603701175
Action Type:	Other
Date:	12/09/1992
Action:	Leak Reported

LUST:

Global Id:	T0603701175
Status:	Open - Case Begin Date
Status Date:	12/03/1992

76 PRODUCTS STATION #3019 (Continued) **S102590701**

Global Id:	T0603701175
Status:	Open - Site Assessment
Status Date:	12/03/1992

Global Id:	T0603701175
Status:	Completed - Case Closed
Status Date:	02/28/2001

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	900640270
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:	T0603701175
W Global ID:	Not reported
Staff:	UNK
Local Agency:	19050
Cross Street:	BUNDY DRIVE
Enforcement Type:	Not reported
Date Leak Discovered:	12/3/1992
Date Leak First Reported:	12/9/1992
Date Leak Record Entered:	2/18/1993
Date Confirmation Began:	Not reported
Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	Not reported
Date the Case was Closed:	2/28/2001
How Leak Discovered:	Tank Closure
How Leak Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	Tank
Operator:	Not reported
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	1974.2002458253978638563448044
Source of Cleanup Funding:	Tank
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	12/3/1992
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

76 PRODUCTS STATION #3019 (Continued) **S102590701**

Responsible Party:	ALBERT W. FRITZ
RP Address:	P.O. BOX 24376
Program:	LUST
Lat/Long:	34.0322821 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

R90
ESE
1/8-1/4
0.217 mi.
1147 ft.

TOSCO CORPORATION #30469 **UST** **U003942210**
12100 W OLYMPIC BLVD **N/A**
LOS ANGELES, CA 90064

Site 11 of 12 in cluster R

Relative:
Lower

Actual:
156 ft.

UST:

Facility ID:	24228
Permitting Agency:	LOS ANGELES, CITY OF
Latitude:	34.0335192
Longitude:	-118.4524785

R91
ESE
1/8-1/4
0.217 mi.
1147 ft.

SERVICE STATION 3019 **HIST UST** **1000166814**
12100 W OLYMPIC BLVD **N/A**
LOS ANGELES, CA 90064

Site 12 of 12 in cluster R

Relative:
Lower

Actual:
156 ft.

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000029312
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	IBRAHIM Y AJAMIAN
Telephone:	2134773205
Owner Name:	UNION OIL COMPANY OF CALIF.
Owner Address:	3701 WILSHIRE BOULEVARD ST 830
Owner City,St,Zip:	LOS ANGELES, CA 90010
Total Tanks:	0004
Tank Num:	001
Container Num:	3019-1
Year Installed:	1968
Tank Capacity:	00009940
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	002
Container Num:	3019-2
Year Installed:	1968

SERVICE STATION 3019 (Continued) **1000166814**

Tank Capacity:	00009940
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test

Tank Num:	003
Container Num:	3019-3
Year Installed:	1968
Tank Capacity:	00009940
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test

Tank Num:	004
Container Num:	3019-4
Year Installed:	1968
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test

Q92 **EDSAL PRODUCTS** **SEMS-ARCHIVE** **1003879973**
WSW **1746 BERKELEY AVE.** **CA0000476481**
1/8-1/4 **SANTA MONICA, CA 90404**
0.220 mi.
1160 ft. **Site 7 of 8 in cluster Q**

Relative:
Lower

Actual:
160 ft.

SEMS Archive:

Site ID:	905103
EPA ID:	CA0000476481
Cong District:	27
FIPS Code:	6037
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:	9
Site ID:	905103
EPA ID:	CA0000476481
Site Name:	EDSAL PRODUCTS
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-02-07 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	905103
EPA ID:	CA0000476481

EDSAL PRODUCTS (Continued) **1003879973**

Site Name:	EDSAL PRODUCTS
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-07-29 00:00:00
Finish Date:	1994-07-29 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	905103
EPA ID:	CA0000476481
Site Name:	EDSAL PRODUCTS
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-02-07 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

W93 **AIR TOOL ENGINEERING** **SEMS-ARCHIVE** **1003879982**
WSW **3021 NEBRASKA AVE.** **CA0000477224**
1/8-1/4 **SANTA MONICA, CA 90404**
0.225 mi.
1190 ft. **Site 1 of 13 in cluster W**

Relative:
Lower

Actual:
158 ft.

SEMS Archive:

Site ID:	905116
EPA ID:	CA0000477224
Cong District:	27
FIPS Code:	6037
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:	9
Site ID:	905116
EPA ID:	CA0000477224
Site Name:	AIR TOOL ENGINEERING
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1996-01-23 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

AIR TOOL ENGINEERING (Continued) **1003879982**

Region:	9
Site ID:	905116
EPA ID:	CA0000477224
Site Name:	AIR TOOL ENGINEERING
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-07-29 00:00:00
Finish Date:	1994-07-29 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	905116
EPA ID:	CA0000477224
Site Name:	AIR TOOL ENGINEERING
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1995-09-21 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

W94 **C.F. CLOVINGER** **SEMS-ARCHIVE** **1003879961**
WSW **3021 NEBRASKA AVE.** **CA0000476887**
1/8-1/4 **SANTA MONICA, CA 90404**
0.225 mi.
1190 ft. **Site 2 of 13 in cluster W**

Relative:
Lower

Actual:
158 ft.

SEMS Archive:

Site ID:	905086
EPA ID:	CA0000476887
Cong District:	27
FIPS Code:	6037
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:	9
Site ID:	905086
EPA ID:	CA0000476887
Site Name:	C.F. CLOVINGER
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported

C.F. CLOVINGER (Continued) **1003879961**

Finish Date:	2000-01-24 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	9
Site ID:	905086
EPA ID:	CA0000476887
Site Name:	C.F. CLOVINGER
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-07-29 00:00:00
Finish Date:	1994-07-29 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	9
Site ID:	905086
EPA ID:	CA0000476887
Site Name:	C.F. CLOVINGER
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1999-10-21 00:00:00
Finish Date:	2000-01-31 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

W95 **C.F. CLOVINGER** **ENVIROSTOR** **S112057216**
WSW **3021 NEBRASKA AVENUE** **N/A**
1/8-1/4 **SANTA MONICA, CA 90404**
0.225 mi.
1190 ft. **Site 3 of 13 in cluster W**

Relative:
Lower

Actual:
158 ft.

ENVIROSTOR:

Facility ID:	60001758
Status:	No Further Action
Status Date:	09/28/1998
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1
NPL:	NO
Regulatory Agencies:	LOS ANGELES COUNTY
Lead Agency:	LOS ANGELES COUNTY
Program Manager:	Joseph Cully
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	41, 50
Senate:	26
Special Program:	Not reported

C.F. CLOVINGER (Continued) **S112057216**

Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 34.03179
Longitude: -118.4633
APN: NONE SPECIFIED
Past Use: MACHINE SHOP
Potential COC: Trichloroethylene (TCE
Confirmed COC: Trichloroethylene (TCE
Potential Description: OTH
Alias Name: 60001758
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: 09/28/1998
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

W96 **J.H. THOMPSON/EVAN TOOLS CO.** **SEMS-ARCHIVE** **1003879962**
WSW **3019 NEBRASKA AVE.** **CAD000476903**
1/8-1/4 **SANTA MONICA, CA 90404**
0.226 mi.
1193 ft. **Site 4 of 13 in cluster W**

Relative:
Lower

Actual:
158 ft.

SEMS Archive:
Site ID: 905087
EPA ID: CAD000476903
Cong District: 27
FIPS Code: 6037
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: 9
Site ID: 905087
EPA ID: CAD000476903
Site Name: J.H. THOMPSON/EVAN TOOLS CO.
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 2000-01-24 00:00:00
Qual: Not reported

J.H. THOMPSON/EVAN TOOLS CO. (Continued) **1003879962**

Current Action Lead:	EPA Perf In-Hse
Region:	9
Site ID:	905087
EPA ID:	CAD000476903
Site Name:	J.H. THOMPSON/EVAN TOOLS CO.
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-07-29 00:00:00
Finish Date:	1994-07-29 00:00:00
Qual:	Not reported
Current Action Lead:	St Perf
Region:	9
Site ID:	905087
EPA ID:	CAD000476903
Site Name:	J.H. THOMPSON/EVAN TOOLS CO.
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-01-31 00:00:00
Qual:	N
Current Action Lead:	St Perf

W97 WSW 1/8-1/4 0.227 mi. 1196 ft. **HARRIS ENG CO.** **SEMS-ARCHIVE** **1003879964**
3017 NEBRASKA AVE. **CA0000476929**
SANTA MONICA, CA 90404

Site 5 of 13 in cluster W

Relative: Lower

Actual: 159 ft.

SEMS Archive:

Site ID:	905090
EPA ID:	CA0000476929
Cong District:	27
FIPS Code:	6037
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:	9
Site ID:	905090
EPA ID:	CA0000476929
Site Name:	HARRIS ENG CO.
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE

HARRIS ENG CO. (Continued) **1003879964**

SEQ:	1
Start Date:	Not reported
Finish Date:	2000-02-07 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	905090
EPA ID:	CA0000476929
Site Name:	HARRIS ENG CO.
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-07-29 00:00:00
Finish Date:	1994-07-29 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	905090
EPA ID:	CA0000476929
Site Name:	HARRIS ENG CO.
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-02-07 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

W98 **CARSON MANUFACTURING COMPANY (MICHAEL S. WARNER DE** **ENVIROSTOR** **S112057217**
WSW **3015 NEBRASKA AVENUE** **N/A**
1/8-1/4 **SANTA MONICA, CA 90404**
0.227 mi.
1199 ft. **Site 6 of 13 in cluster W**

Relative:
Lower

Actual:
159 ft.

ENVIROSTOR:

Facility ID:	60001759
Status:	No Further Action
Status Date:	07/13/1998
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	LOS ANGELES COUNTY, CITY OF LOS ANGELES
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Manny Alonzo
Division Branch:	Cleanup Cypress
Assembly:	41

CARSON MANUFACTURING COMPANY (MICHAEL S. WARNER DESIGN) (Continued) **S112057217**

Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 34.03184
Longitude: -118.4632
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: No Contaminants found
Potential Description: NMA
Alias Name: 60001759
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: 06/21/1999
Comments: DTSC recommended that no further action is needed at the site.

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

W99 **CARSON MFG. CO.** **SEMS-ARCHIVE** **1003879963**
WSW **3015 NEBRASKA AVE.** **CA0000476960**
1/8-1/4 **SANTA MONICA, CA 90404**
0.227 mi.
1199 ft. **Site 7 of 13 in cluster W**

Relative:
Lower

Actual:
159 ft.

SEMS Archive:
Site ID: 905089
EPA ID: CA0000476960
Cong District: 27
FIPS Code: 6037
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: 9
Site ID: 905089
EPA ID: CA0000476960
Site Name: CARSON MFG. CO.
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported

CARSON MFG. CO. (Continued) **1003879963**

Finish Date:	2000-02-07 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	905089
EPA ID:	CA0000476960
Site Name:	CARSON MFG. CO.
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-07-29 00:00:00
Finish Date:	1994-07-29 00:00:00
Qual:	Not reported
Current Action Lead:	St Perf

Region:	9
Site ID:	905089
EPA ID:	CA0000476960
Site Name:	CARSON MFG. CO.
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-02-07 00:00:00
Qual:	N
Current Action Lead:	St Perf

W100 **SWISSOMATIC PRODUCTS** **SEMS-ARCHIVE** **1003879975**
SW **1818 STANDFORD AVE.** **CA0000476432**
1/8-1/4 **SANTA MONICA, CA 90404**
0.230 mi.
1212 ft. **Site 8 of 13 in cluster W**

Relative:
Lower

Actual:
157 ft.

SEMS Archive:

Site ID:	905105
EPA ID:	CA0000476432
Cong District:	27
FIPS Code:	6037
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:	9
Site ID:	905105
EPA ID:	CA0000476432
Site Name:	SWISSOMATIC PRODUCTS
NPL:	N
FF:	N
OU:	0

SWISSOMATIC PRODUCTS (Continued) **1003879975**

Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-03-09 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	905105
EPA ID:	CA0000476432
Site Name:	SWISSOMATIC PRODUCTS
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-07-29 00:00:00
Finish Date:	1994-07-29 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	905105
EPA ID:	CA0000476432
Site Name:	SWISSOMATIC PRODUCTS
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-03-09 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

W101 **REYNOLDS METAL WORKS** **SEMS-ARCHIVE** **1003879977**
SW **1816 STANFORD ST.** **CA0000476416**
1/8-1/4 **SANTA MONICA, CA 90404**
0.230 mi.
1212 ft. **Site 9 of 13 in cluster W**

Relative:
Lower

Actual:
157 ft.

SEMS Archive:

Site ID:	905107
EPA ID:	CA0000476416
Cong District:	27
FIPS Code:	6037
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:	9
Site ID:	905107
EPA ID:	CA0000476416

REYNOLDS METAL WORKS (Continued) **1003879977**

Site Name:	REYNOLDS METAL WORKS
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1996-01-23 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	905107
EPA ID:	CA0000476416
Site Name:	REYNOLDS METAL WORKS
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-07-29 00:00:00
Finish Date:	1994-07-29 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	905107
EPA ID:	CA0000476416
Site Name:	REYNOLDS METAL WORKS
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1995-09-20 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

W102 **SANTA MONICA MOLD SHOP** **SEMS-ARCHIVE** **1003879978**
SW **1812-1814 STANFORD AVE.** **CA0000476408**
1/8-1/4 **SANTA MONICA, CA 90404**
0.230 mi.
1212 ft. **Site 10 of 13 in cluster W**

Relative:
Lower

Actual:
157 ft.

SEMS Archive:

Site ID:	905108
EPA ID:	CA0000476408
Cong District:	27
FIPS Code:	6037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SANTA MONICA MOLD SHOP (Continued) **1003879978**

SEMS Archive Detail:

Region:	9
Site ID:	905108
EPA ID:	CA0000476408
Site Name:	SANTA MONICA MOLD SHOP
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-02-07 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	905108
EPA ID:	CA0000476408
Site Name:	SANTA MONICA MOLD SHOP
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-07-29 00:00:00
Finish Date:	1994-07-29 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	905108
EPA ID:	CA0000476408
Site Name:	SANTA MONICA MOLD SHOP
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-02-07 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

Q103 **W.S. RHOADES PLASTICS PRODUCTS** **SEMS-ARCHIVE** **1003879969**
WSW **1740 BERKELEY AVE.** **CA0000476556**
1/8-1/4 **SANTA MONICA, CA 90404**
0.234 mi.
1233 ft. **Site 8 of 8 in cluster Q**

Relative:
Lower

Actual:
161 ft.

SEMS Archive:

Site ID:	905099
EPA ID:	CA0000476556
Cong District:	27

W.S. RHOADES PLASTICS PRODUCTS (Continued) **1003879969**

FIPS Code: 6037
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: 9
Site ID: 905099
EPA ID: CA0000476556
Site Name: W.S. RHOADES PLASTICS PRODUCTS
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1999-08-03 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 9
Site ID: 905099
EPA ID: CA0000476556
Site Name: W.S. RHOADES PLASTICS PRODUCTS
NPL: N
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1994-07-29 00:00:00
Finish Date: 1994-07-29 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 905099
EPA ID: CA0000476556
Site Name: W.S. RHOADES PLASTICS PRODUCTS
NPL: N
FF: N
OU: 0
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1999-02-23 00:00:00
Finish Date: 1999-08-03 00:00:00
Qual: N
Current Action Lead: EPA Perf

X104 WSW 1/8-1/4 0.241 mi. 1272 ft.

RAINBOR RECORDS - SANTA MONICA
1728 BERKELEY ST.
SANTA MONICA, CA 90404

RCRA-SQG **1000307817**
LA Co. Site Mitigation **CAD981993736**

Site 1 of 2 in cluster X

Relative: Higher

Actual: 162 ft.

RCRA-SQG:

Date form received by agency:	03/01/2004
Facility name:	RAINBOR RECORDS - SANTA MONICA
Facility address:	1728 BERKELEY ST. SANTA MONICA, CA 90404
EPA ID:	CAD981993736
Contact:	JOSE OROZCO
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	310-829-3476
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:	RAINBO RECORDS MFG. CORP.
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:	07/01/1974
Owner/Op end date:	Not reported

Owner/operator name:	RAINBO RECORDS MFG. CORP.
Owner/operator address:	1738 BERKELEY ST. SANTA MONICA, CA 90404
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:	07/01/1974
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

RAINBOR RECORDS - SANTA MONICA (Continued) **1000307817**

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: JACK G BROWN
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

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: 03/01/2004
Site name: RAINBOR RECORDS - SANTA MONICA
Classification: Large Quantity Generator

. 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.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D011
. Waste name: SILVER

RAINBOR RECORDS - SANTA MONICA (Continued) **1000307817**

. 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.

. 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.

. 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.

Date form received by agency: 03/16/1987
Site name: RAINBO RECORD MFG CORP
Classification: Small Quantity Generator

Violation Status: No violations found

LA Co. Site Mitigation:
Facility ID: Not reported
Status: Not reported
Site ID: SD0000478
Jurisdiction: State
Case ID: RO0001478
Abated: Yes
Assigned To: Shahin Nourishad
Entered Date: 10/13/2011
Abated Date: 04/28/2009

U105 SSW 1/8-1/4 0.243 mi. 1282 ft. | **SANTA MONICA**
2943 EXPOSITION BLVD
SANTA MONICA, CA 90404

HIST UST | **U001563971**
N/A

Site 2 of 5 in cluster U

Relative: Lower

Actual: 150 ft.

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000018983
Facility Type:	Other
Other Type:	PUBLIC UTILITY
Contact Name:	CHARLES THIBODEAUX
Telephone:	2134517071
Owner Name:	GENERAL TELEPHONE COMPANY OF
Owner Address:	4959 PALO VERDE DRIVE
Owner City,St,Zip:	MONTCLAIR, CA 91763
Total Tanks:	0003
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

U106 SSW 1/8-1/4 0.243 mi. 1282 ft. | **GENERAL TELEPHONE CO**
2943 EXPOSITION BLVD
SANTA MONICA, CA 90404

SWEEPS UST | **S101585147**
CA FID UST | **N/A**

Site 3 of 5 in cluster U

Relative: Lower

Actual: 150 ft.

SWEEPS UST:

Status:	Active
Comp Number:	3721
Number:	1
Board Of Equalization:	44-010537
Referral Date:	01-12-90
Action Date:	01-12-90

GENERAL TELEPHONE CO (Continued) **S101585147**

Created Date:	02-29-88
Owner Tank Id:	1
SWRCB Tank Id:	19-033-003721-000001
Tank Status:	A
Capacity:	10000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	3

Status:	Active
Comp Number:	3721
Number:	1
Board Of Equalization:	44-010537
Referral Date:	01-12-90
Action Date:	01-12-90
Created Date:	02-29-88
Owner Tank Id:	2
SWRCB Tank Id:	19-033-003721-000002
Tank Status:	A
Capacity:	10000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	3721
Number:	1
Board Of Equalization:	44-010537
Referral Date:	01-12-90
Action Date:	01-12-90
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-033-003721-000003
Tank Status:	A
Capacity:	1000
Active Date:	01-12-90
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	19020338
Regulated By:	UTNKA
Regulated ID:	00003721
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2134517071
Mail To:	Not reported
Mailing Address:	2943 EXPOSITION BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	SANTA MONICA 90404
Contact:	Not reported

GENERAL TELEPHONE CO (Continued) **S101585147**

Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

U107 **SANTA MONICA** **HIST UST** **U001563974**
SSW **2943 EXPOSITION BLVD** **CHMIRS** **N/A**
1/8-1/4 **SANTA MONICA, CA 90404**
0.243 mi.
1282 ft. **Site 4 of 5 in cluster U**

Relative:
Lower

Actual:
150 ft.

HIST UST:

File Number:	00026ABD
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026ABD.pdf
Region:	STATE
Facility ID:	00000003721
Facility Type:	Other
Other Type:	PUBLIC UTILITY
Contact Name:	CHARLES THIBODEAUX
Telephone:	2134517071
Owner Name:	GENERAL TELEPHONE COMPANY OF C
Owner Address:	4959 PALO VERDE DRIVE
Owner City,St,Zip:	MONTCLAIR, CA 91763
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00010000

SANTA MONICA (Continued) **U001563974**

Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

CHMIRS:

OES Incident Number:	8-2328
OES notification:	05/18/1998
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:	Fire Dept.
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1998
Agency:	GTE Ca Inc.
Incident Date:	5/18/199812:00:00 AM
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Service Station
E Date:	Not reported
Substance:	gasolene
Gallons:	10

SANTA MONICA (Continued) **U001563974**

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:	drive away at a fuel pump.

U108 **GTE PLANT YARD** **LUST** **1000128017**
SSW **2943 EXPOSITION BL** **HIST CORTESE** **N/A**
1/8-1/4 **SANTA MONICA, CA 90404**
0.243 mi.
1282 ft. **Site 5 of 5 in cluster U**

Relative:
Lower

Actual:
150 ft.

LUST:

Lead Agency:	SANTA MONICA, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701387
Global Id:	T0603701387
Latitude:	34.0288551
Longitude:	-118.4616628
Status:	Completed - Case Closed
Status Date:	01/10/2012
Case Worker:	MH
RB Case Number:	904040070
Local Agency:	SANTA MONICA, 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:	T0603701387
Contact Type:	Local Agency Caseworker
Contact Name:	MONICA HANLEY
Organization Name:	SANTA MONICA, CITY OF
Address:	333 Olympic Drive - 2nd Floor
City:	SANTA MONICA
Email:	monica.hanley@smgov.net
Phone Number:	Not reported

Global Id:	T0603701387
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

GTE PLANT YARD (Continued) **1000128017**

Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603701387
Action Type: Other
Date: 06/07/1995
Action: Leak Stopped

Global Id: T0603701387
Action Type: Other
Date: 06/07/1995
Action: Leak Discovery

Global Id: T0603701387
Action Type: RESPONSE
Date: 01/12/2012
Action: Correspondence

Global Id: T0603701387
Action Type: Other
Date: 06/07/1995
Action: Leak Reported

LUST:
Global Id: T0603701387
Status: Open - Case Begin Date
Status Date: 06/07/1995

Global Id: T0603701387
Status: Open - Site Assessment
Status Date: 06/07/1995

Global Id: T0603701387
Status: Completed - Case Closed
Status Date: 01/10/2012

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 904040070
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: T0603701387
W Global ID: Not reported
Staff: UNK
Local Agency: 19033
Cross Street: STANFORD ST
Enforcement Type: Not reported
Date Leak Discovered: 6/7/1995

GTE PLANT YARD (Continued) **1000128017**

Date Leak First Reported:		6/7/1995
Date Leak Record Entered:	8/23/1996	
Date Confirmation Began:	6/7/1995	
Date Leak Stopped:	6/7/1995	
Date Case Last Changed on Database:		4/16/1997
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
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):		786.4381556853740140566509180 3
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:	GTE PLANT YARD	
RP Address:	P.O. BOX /725--CA301HJ, CHINO CA 91708	
Program:	LUST	
Lat/Long:	34.0288551 / -1	
Local Agency Staff:	UNK	
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:	904040070

X109 WSW 1/8-1/4 0.245 mi. 1293 ft. | **DELTA GRAPHICS**
1715 BERKELEY ST
SANTA MONICA, CA 90404

Site 2 of 2 in cluster X

RCRA-SQG
FINDS
ECHO
HAZNET

1000395159
CAD982506073

Relative: Higher

Actual: 164 ft.

RCRA-SQG:

Date form received by agency:	06/26/1989
Facility name:	DELTA GRAPHICS
Facility address:	1715 BERKELEY ST SANTA MONICA, CA 90404
EPA ID:	CAD982506073
Mailing address:	BERKELEY ST SANTA MONICA, CA 90404
Contact:	ENVIRONMENTAL MANAGER
Contact address:	1715 BERKELEY ST SANTA MONICA, CA 90404
Contact country:	US
Contact telephone:	213-453-3582
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:	SEAN MCCOLLOUGH
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

DELTA GRAPHICS (Continued) **1000395159**

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: 110002836012

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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:	1000395159
Registry ID:	110002836012
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002836012

HAZNET:

envid:	1000395159
Year:	2011
GEPAID:	CAD982506073
Contact:	SEAN MCCOLLOUGH PRES
Telephone:	3109548600
Mailing Name:	Not reported
Mailing Address:	11821 WEST PICO BLVD
Mailing City,St,Zip:	LOS ANGELES, CA 900640000
Gen County:	Not reported
TSD EPA ID:	TXD077603371
TSD County:	Not reported
Waste Category:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site

DELTA GRAPHICS (Continued) **1000395159**

Tons:	0.1
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000395159
Year:	2011
GEPAID:	CAD982506073
Contact:	SEAN MCCOLLOUGH PRES
Telephone:	3109548600
Mailing Name:	Not reported
Mailing Address:	11821 WEST PICO BLVD
Mailing City,St,Zip:	LOS ANGELES, CA 900640000
Gen County:	Not reported
TSD EPA ID:	CAT000613893
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000395159
Year:	2009
GEPAID:	CAD982506073
Contact:	SEAN MCCOLLOUGH PRES
Telephone:	3104533582
Mailing Name:	Not reported
Mailing Address:	1715 BERKELEY ST
Mailing City,St,Zip:	SANTA MONICA, CA 904044104
Gen County:	Not reported
TSD EPA ID:	TXD077603371
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.175
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000395159
Year:	2008
GEPAID:	CAD982506073
Contact:	SEAN MCCOLLOUGH PRES
Telephone:	3104533582
Mailing Name:	Not reported
Mailing Address:	1715 BERKELEY ST
Mailing City,St,Zip:	SANTA MONICA, CA 904044104
Gen County:	Not reported
TSD EPA ID:	TXD077603371
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.175
Cat Decode:	Not reported

DELTA GRAPHICS (Continued) **1000395159**

Method Decode:	Not reported
Facility County:	Los Angeles
envid:	1000395159
Year:	2008
GEPAID:	CAD982506073
Contact:	SEAN MCCOLLOUGH PRES
Telephone:	3104533582
Mailing Name:	Not reported
Mailing Address:	1715 BERKELEY ST
Mailing City,St,Zip:	SANTA MONICA, CA 904044104
Gen County:	Not reported
TSD EPA ID:	TXD077603371
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.125
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access
14 additional CA_HAZNET: record(s) in the EDR Site Report.

S110 **90944** **HIST UST** **U001562402**
ESE **11951 W OLYMPIC BLVD** **N/A**
1/8-1/4 **LOS ANGELES, CA 90064**
0.248 mi.
1308 ft. **Site 3 of 7 in cluster S**

Relative:
Lower

Actual:
158 ft.

HIST UST:

File Number:	00026C33
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026C33.pdf
Region:	STATE
Facility ID:	00000061951
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	PEP OIL INC.
Telephone:	2134733383
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:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000370
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT

90944 (Continued) **U001562402**

Type of Fuel:	Not reported
Container Construction Thickness:	0000370
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000370
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0000370
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

S111 **LOVCO WEST INC** **SWEEPS UST** **S101582877**
ESE **11951 W OLYMPIC BLVD** **CA FID UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90064**
0.248 mi.
1308 ft. **Site 4 of 7 in cluster S**

Relative:
Lower

Actual:
158 ft.

SWEEPS UST:

Status:	Active
Comp Number:	3481
Number:	9
Board Of Equalization:	44-013027
Referral Date:	07-21-93
Action Date:	03-18-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-003481-000001
Tank Status:	A
Capacity:	10000
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	5
Status:	Active
Comp Number:	3481
Number:	9
Board Of Equalization:	44-013027
Referral Date:	07-21-93
Action Date:	03-18-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-003481-000002
Tank Status:	A

LOVCO WEST INC (Continued) **S101582877**

Capacity:	10000
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	3481
Number:	9
Board Of Equalization:	44-013027
Referral Date:	07-21-93
Action Date:	03-18-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-003481-000003
Tank Status:	A
Capacity:	10000
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	3481
Number:	9
Board Of Equalization:	44-013027
Referral Date:	07-21-93
Action Date:	03-18-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-003481-000004
Tank Status:	A
Capacity:	1000
Active Date:	04-20-88
Tank Use:	OIL
STG:	W
Content:	WASTE OIL
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	3481
Number:	9
Board Of Equalization:	44-013027
Referral Date:	07-21-93
Action Date:	03-18-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-003481-000005
Tank Status:	A
Capacity:	10000
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

LOVCO WEST INC (Continued) **S101582877**

CA FID UST:

Facility ID:	19001718
Regulated By:	UTNKA
Regulated ID:	00061951
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2133129976
Mail To:	Not reported
Mailing Address:	575 MARKET ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900640000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

S112 **CHEVRON STATION #9-0944** **UST** **U003938935**
ESE **11951 W OLYMPIC BLVD** **N/A**
1/8-1/4 **LOS ANGELES, CA 90064**
0.248 mi.
1308 ft. **Site 5 of 7 in cluster S**

Relative:
Lower

Actual:
158 ft.

UST:

Facility ID:	23797
Permitting Agency:	LOS ANGELES, CITY OF
Latitude:	34.0341661
Longitude:	-118.4518507
Facility ID:	Not reported
Permitting Agency:	Los Angeles City Fire Department
Latitude:	34.03273
Longitude:	-118.45339

S113 **CHEVRON STATION 90944** **RCRA NonGen / NLR** **1005441184**
ESE **11951 W OLYMPIC BLVD** **HAZNET** **CAR000116459**
1/8-1/4 **LOS ANGELES, CA 90064**
0.248 mi.
1308 ft. **Site 6 of 7 in cluster S**

Relative:
Lower

Actual:
158 ft.

RCRA NonGen / NLR:

Date form received by agency:	03/13/2013
Facility name:	CHEVRON STATION 90944
Facility address:	11951 W OLYMPIC BLVD LOS ANGELES, CA 90064
EPA ID:	CAR000116459
Mailing address:	PO BOX 6004 SAN RAMON, CA 94583
Contact:	KATHY NORRIS SLUSHER
Contact address:	PO BOX 6004 SAN RAMON, CA 94583
Contact country:	US
Contact telephone:	877-386-6044
Contact email:	NAWTDESK@CHEVRON.COM

CHEVRON STATION 90944 (Continued) **1005441184**

EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: KATHY NORRIS SLUSHER
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: 04/21/1975
Owner/Op end date: Not reported

Owner/operator name: CHEVRON USA
Owner/operator address: PO BOX 6004
SAN RAMON, CA 94583
Owner/operator country: US
Owner/operator telephone: 877-386-6044
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: 04/21/1975
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: 05/16/2002
Site name: CHEVRON STATION 90944
Classification: Small Quantity Generator

. 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

CHEVRON STATION 90944 (Continued) **1005441184**

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.

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

HAZNET:

envid: 1005441184
Year: 2005
GEPAID: CAR000116459
Contact: Kathy Norris
Telephone: 9258425931
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: San Ramon, CA 94583
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 0.17
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1005441184
Year: 2003
GEPAID: CAR000116459
Contact: Kathy Norris
Telephone: 9258425931
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: San Ramon, CA 94583
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 0.18
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1005441184
Year: 2003
GEPAID: CAR000116459
Contact: Kathy Norris
Telephone: 9258425931
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: San Ramon, CA 94583
Gen County: Not reported
TSD EPA ID: CAD008302903

CHEVRON STATION 90944 (Continued) **1005441184**

TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Not reported
Tons: 0.01
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

S114
ESE
1/8-1/4
0.248 mi.
1308 ft.

Relative:
Lower

Actual:
158 ft.

CHEVRON STATION 9 0944
11951 W OLYMPIC BLVD
LOS ANGELES, CA 90064

Site 7 of 7 in cluster S

RCRA-SQG **1000818451**
LUST **CAD983643248**
FINDS
ECHO
HAZNET
HIST CORTESE

RCRA-SQG:
Date form received by agency: 04/02/1993
Facility name: CHEVRON STATION 9 0944
Facility address: 11951 W OLYMPIC BLVD
LOS ANGELES, CA 90064
EPA ID: CAD983643248
Mailing address: W OLYMPIC BLVD
LOS ANGELES, CA 90064
Contact: NICHOLAS OTTER
Contact address: 11951 W OLYMPIC BLVD
LOS ANGELES, CA 90064
Contact country: US
Contact telephone: 310-312-9976
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: CHEVRON U S A PRODUCTS CO
Owner/operator address: P O BOX 2833
LA HABRA, CA 90632
Owner/operator country: Not reported
Owner/operator telephone: 310-694-7452
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

CHEVRON STATION 9 0944 (Continued) **1000818451**

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

LUST:
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603794744
Global Id: T0603794744
Latitude: 34.03271
Longitude: -118.453453
Status: Completed - Case Closed
Status Date: 10/26/2004
Case Worker: WXT
RB Case Number: 900640025A
Local Agency: LOS ANGELES, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603794744
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603794744
Contact Type: Regional Board Caseworker
Contact Name: WEIXING TONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: wtong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603794744
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603794744
Action Type: ENFORCEMENT

CHEVRON STATION 9 0944 (Continued) **1000818451**

Date: 12/09/2003
Action: Staff Letter

Global Id: T0603794744
Action Type: ENFORCEMENT
Date: 02/09/2004
Action: Staff Letter

Global Id: T0603794744
Action Type: RESPONSE
Date: 01/31/2005
Action: Unknown

Global Id: T0603794744
Action Type: RESPONSE
Date: 07/16/2003
Action: Well Installation Report

Global Id: T0603794744
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603794744
Action Type: Other
Date: 11/01/2000
Action: Leak Reported

Global Id: T0603794744
Action Type: REMEDIATION
Date: 05/01/2003
Action: Excavation

Global Id: T0603794744
Action Type: ENFORCEMENT
Date: 02/28/2003
Action: 13267 Requirement

Global Id: T0603794744
Action Type: ENFORCEMENT
Date: 08/16/2004
Action: Site Visit / Inspection / Sampling

Global Id: T0603794744
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603794744
Action Type: RESPONSE
Date: 07/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603794744
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Report

CHEVRON STATION 9 0944 (Continued) **1000818451**

Global Id: T0603794744
Action Type: RESPONSE
Date: 01/30/2004
Action: Soil and Water Investigation Workplan

Global Id: T0603794744
Action Type: ENFORCEMENT
Date: 06/01/2004
Action: Staff Letter

Global Id: T0603794744
Action Type: ENFORCEMENT
Date: 04/15/2003
Action: Staff Letter

Global Id: T0603794744
Action Type: RESPONSE
Date: 12/27/2002
Action: Other Report / Document

Global Id: T0603794744
Action Type: RESPONSE
Date: 07/15/2003
Action: Well Installation Report

Global Id: T0603794744
Action Type: ENFORCEMENT
Date: 11/27/2002
Action: Staff Letter

Global Id: T0603794744
Action Type: ENFORCEMENT
Date: 01/15/2003
Action: Staff Letter

Global Id: T0603794744
Action Type: ENFORCEMENT
Date: 10/26/2004
Action: Closure/No Further Action Letter

Global Id: T0603794744
Action Type: RESPONSE
Date: 08/15/2004
Action: Well Installation Report

Global Id: T0603794744
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603794744
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603794744
Action Type: RESPONSE

CHEVRON STATION 9 0944 (Continued) **1000818451**

Date: 07/15/2003
Action: Soil and Water Investigation Workplan

Global Id: T0603794744
Action Type: RESPONSE
Date: 07/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603794744
Action Type: RESPONSE
Date: 07/15/2003
Action: Interim Remedial Action Plan

Global Id: T0603794744
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603794744
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603794744
Action Type: RESPONSE
Date: 07/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603794744
Action Type: Other
Date: 10/20/2000
Action: Leak Discovery

Global Id: T0603794744
Action Type: RESPONSE
Date: 04/15/2004
Action: Soil and Water Investigation Report

LUST:
Global Id: T0603794744
Status: Open - Case Begin Date
Status Date: 10/20/2000

Global Id: T0603794744
Status: Open - Site Assessment
Status Date: 11/01/2000

Global Id: T0603794744
Status: Open - Site Assessment
Status Date: 03/09/2001

Global Id: T0603794744
Status: Open - Site Assessment
Status Date: 01/15/2003

Global Id: T0603794744
Status: Open - Site Assessment

CHEVRON STATION 9 0944 (Continued) **1000818451**

Status Date: 01/16/2004

Global Id: T0603794744
Status: Completed - Case Closed
Status Date: 10/26/2004

Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701163
Global Id: T0603701163
Latitude: 34.0328321
Longitude: -118.4518536
Status: Completed - Case Closed
Status Date: 03/07/1997
Case Worker: YR
RB Case Number: 900640025
Local Agency: LOS ANGELES, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603701163
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603701163
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: T0603701163
Action Type: Other
Date: 09/17/1987
Action: Leak Reported

LUST:
Global Id: T0603701163
Status: Open - Case Begin Date
Status Date: 09/17/1987

Global Id: T0603701163
Status: Open - Site Assessment
Status Date: 06/15/1988

CHEVRON STATION 9 0944 (Continued) **1000818451**

Global Id:	T0603701163
Status:	Completed - Case Closed
Status Date:	03/07/1997

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	900640025A
Status:	Pollution Characterization
Substance:	Gasoline
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Soil
Abatement Method Used at the Site:	Not reported
Global ID:	T0603794744
W Global ID:	Not reported
Staff:	WXT
Local Agency:	19050
Cross Street:	BUNDY DR.
Enforcement Type:	DLSEL
Date Leak Discovered:	10/20/2000
Date Leak First Reported:	11/1/2000
Date Leak Record Entered:	Not reported
Date Confirmation Began:	11/1/2000
Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	Not reported
Date the Case was Closed:	Not reported
How Leak Discovered:	OM
How Leak Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Operator:	Not reported
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	Not reported
Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	3/9/2001
Preliminary Site Assessment Began:	1/15/2003
Pollution Characterization Began:	1/16/2004
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:	4/1/2004
Hist Max MTBE Conc in Groundwater:	0
Hist Max MTBE Conc in Soil:	0
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	ND
Soil Qualifier:	ND
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	MR. Y. M. TUAN
RP Address:	570 W. CENTRAL AVE., SUITE A
Program:	LUST
Lat/Long:	0 / 0

CHEVRON STATION 9 0944 (Continued) **1000818451**

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
Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	900640025
Status:	Case Closed
Substance:	Gasoline
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Groundwater
Abatement Method Used at the Site:	Not reported
Global ID:	T0603701163
W Global ID:	Not reported
Staff:	UNK
Local Agency:	19050
Cross Street:	BUNDY
Enforcement Type:	Not reported
Date Leak Discovered:	Not reported
Date Leak First Reported:	9/17/1987
Date Leak Record Entered:	6/15/1988
Date Confirmation Began:	Not reported
Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	3/7/1997
Date the Case was Closed:	3/7/1997
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):	2586.3381597763412026457875239
Source of Cleanup Funding:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	6/15/1988
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:	CHEVRON U.S.A. PRODUCTS
RP Address:	P.O. BOX 2833, LA HABRA CA 90632-2833

CHEVRON STATION 9 0944 (Continued) **1000818451**

Program:	LUST
Lat/Long:	34.0328321 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	CHEVRON APPLIED FOR CLOSURE 04/28/88. ASSIGNED TO JIT ON 04/05/89 02/03/97 - CLOSURE REQUEST 01/13/97 - 4TH QUARTER G/W MONITORING REPORT

FINDS:

Registry ID: 110002881061

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000818451
Registry ID:	110002881061
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002881061

HAZNET:

envid:	1000818451
Year:	1998
GEPAID:	CAD983643248
Contact:	CHEVRON U S A PRODUCTS CO
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	11951 W OLYMPIC BLVD
Mailing City,St,Zip:	LOS ANGELES, CA 900640000
Gen County:	Not reported
TSD EPA ID:	CAD008302903
TSD County:	Not reported
Waste Category:	Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	Recycler
Tons:	.2085

CHEVRON STATION 9 0944 (Continued) **1000818451**

Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000818451
Year: 1997
GEPAID: CAD983643248
Contact: CHEVRON U S A PRODUCTS CO
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 11951 W OLYMPIC BLVD
Mailing City,St,Zip: LOS ANGELES, CA 900640000
Gen County: Not reported
TSD EPA ID: CAD982484933
TSD County: Not reported
Waste Category: Empty containers less than 30 gallons
Disposal Method: Disposal, Other
Tons: .3000
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000818451
Year: 1994
GEPAID: CAD983643248
Contact: CHEVRON U S A PRODUCTS CO
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 11951 W OLYMPIC BLVD
Mailing City,St,Zip: LOS ANGELES, CA 900640000
Gen County: Not reported
TSD EPA ID: CAD980883177
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: .6880
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900640025

W115 **PIPCO INT'L CORP.** **SEMS-ARCHIVE** **1003879979**
WSW **1757 STANFORD AVE.** **CA0000476390**
1/4-1/2 **SANTA MONICA, CA 90404**
0.254 mi.
1341 ft. **Site 11 of 13 in cluster W**

Relative:
Lower

Actual:
160 ft.

SEMS Archive:
Site ID: 905109
EPA ID: CA0000476390
Cong District: 27
FIPS Code: 6037

PIPCO INT'L CORP. (Continued) **1003879979**

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: 9
Site ID: 905109
EPA ID: CA0000476390
Site Name: PIPCO INT'L CORP.
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 2000-02-11 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 9
Site ID: 905109
EPA ID: CA0000476390
Site Name: PIPCO INT'L CORP.
NPL: N
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1994-07-29 00:00:00
Finish Date: 1994-07-29 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 905109
EPA ID: CA0000476390
Site Name: PIPCO INT'L CORP.
NPL: N
FF: N
OU: 0
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 2000-02-11 00:00:00
Qual: N
Current Action Lead: EPA Perf

W116 SW 1/4-1/2 0.258 mi. 1360 ft. | **BOISON-DALE 2932 NEBRASKA AVE. SANTA MONICA, CA 90404** | **SEMS-ARCHIVE** | **1003879965 CA0000476978**

Site 12 of 13 in cluster W

Relative: Lower

Actual: 157 ft.

SEMS Archive:

Site ID:	905091
EPA ID:	CA0000476978
Cong District:	27
FIPS Code:	6037
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:	9
Site ID:	905091
EPA ID:	CA0000476978
Site Name:	BOISON-DALE
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-02-07 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	905091
EPA ID:	CA0000476978
Site Name:	BOISON-DALE
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-07-29 00:00:00
Finish Date:	1994-07-29 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	905091
EPA ID:	CA0000476978
Site Name:	BOISON-DALE
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-02-07 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

W117 SW 1/4-1/2 0.258 mi. 1360 ft. | **BAL-TAC ELECTRONICS, INC.**
2944 NEBRASKA AVE.
SANTA MONICA, CA 90404

SEMS-ARCHIVE | **1000893643**
CA0000476994

Site 13 of 13 in cluster W

Relative: Lower

Actual: 157 ft.

SEMS Archive:

Site ID:	905092
EPA ID:	CA0000476994
Cong District:	27
FIPS Code:	6037
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:	9
Site ID:	905092
EPA ID:	CA0000476994
Site Name:	BAL-TAC ELECTRONICS, INC.
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2001-09-21 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	905092
EPA ID:	CA0000476994
Site Name:	BAL-TAC ELECTRONICS, INC.
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-07-29 00:00:00
Finish Date:	1994-07-29 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	905092
EPA ID:	CA0000476994
Site Name:	BAL-TAC ELECTRONICS, INC.
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1999-08-01 00:00:00
Finish Date:	2001-04-04 00:00:00
Qual:	N
Current Action Lead:	St Perf

Y118 ESE 1/4-1/2 0.261 mi. 1380 ft.

SHELL SERVICE STATION
11944 OLYMPIC BLVD, WEST
LOS ANGELES, CA 90064

LUST
HIST UST

S107863262
N/A

Site 1 of 3 in cluster Y

Relative: Lower

Actual: 156 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603743918
Global Id:	T0603743918
Latitude:	34.032288
Longitude:	-118.453086
Status:	Completed - Case Closed
Status Date:	04/27/2007
Case Worker:	DPP
RB Case Number:	900640334
Local Agency:	LOS ANGELES, CITY OF
File Location:	Regional Board
Local Case Number:	30366
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603743918
Contact Type:	Regional Board Caseworker
Contact Name:	DANIEL PIROTTON
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	Not reported
City:	R4 UNKNOWN
Email:	dpirotton@waterboards.ca.gov
Phone Number:	2135766714

Global Id:	T0603743918
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

LUST:

Global Id:	T0603743918
Action Type:	ENFORCEMENT
Date:	06/29/2006
Action:	Staff Letter

Global Id:	T0603743918
Action Type:	Other
Date:	05/11/2005
Action:	Leak Reported

Global Id:	T0603743918
Action Type:	RESPONSE
Date:	04/15/2007
Action:	Monitoring Report - Quarterly

SHELL SERVICE STATION (Continued) **S107863262**

Global Id: T0603743918
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603743918
Action Type: ENFORCEMENT
Date: 04/23/2007
Action: Site Visit / Inspection / Sampling

Global Id: T0603743918
Action Type: ENFORCEMENT
Date: 04/27/2007
Action: Closure/No Further Action Letter

Global Id: T0603743918
Action Type: Other
Date: 05/11/2005
Action: Leak Discovery

Global Id: T0603743918
Action Type: RESPONSE
Date: 07/31/2006
Action: Other Report / Document

LUST:
Global Id: T0603743918
Status: Open - Case Begin Date
Status Date: 01/17/2003

Global Id: T0603743918
Status: Open - Site Assessment
Status Date: 01/17/2003

Global Id: T0603743918
Status: Open - Site Assessment
Status Date: 01/13/2004

Global Id: T0603743918
Status: Open - Site Assessment
Status Date: 04/28/2005

Global Id: T0603743918
Status: Completed - Case Closed
Status Date: 04/27/2007

HIST UST:
File Number: 00028490
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028490.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported

SHELL SERVICE STATION (Continued) **S107863262**

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:

Z119 **NETHERCUTT LABYS ANTIQUE PARTS** **SEMS-ARCHIVE** **1003879966**
SW **2928 NEBRASKA AVE.** **CA0000477018**
1/4-1/2 **SANTA MONICA, CA 90404**
0.275 mi.
1453 ft. **Site 1 of 4 in cluster Z**

Relative:
Lower

Actual:
157 ft.

SEMS Archive:

Site ID:	905093
EPA ID:	CA0000477018
Cong District:	27
FIPS Code:	6037
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:	9
Site ID:	905093
EPA ID:	CA0000477018
Site Name:	NETHERCUTT LABYS ANTIQUE PARTS
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-02-07 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	9
Site ID:	905093
EPA ID:	CA0000477018
Site Name:	NETHERCUTT LABYS ANTIQUE PARTS
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-07-29 00:00:00

NETHERCUTT LABYS ANTIQUE PARTS (Continued) **1003879966**

Finish Date:	1994-07-29 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	9
Site ID:	905093
EPA ID:	CA0000477018
Site Name:	NETHERCUTT LABYS ANTIQUE PARTS
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-02-07 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

Z120
SW
1/4-1/2
0.277 mi.
1460 ft.

MCDONNELL-DOUGLAS AIRCRAFT FACILITY **SEMS-ARCHIVE** **1000893648**
OLYMPIC BLVD. AND CENTINELA BLVD. **CA0000485326**
SANTA MONICA, CA 90404

Site 2 of 4 in cluster Z

Relative:
Lower

Actual:
158 ft.

SEMS Archive:

Site ID:	905113
EPA ID:	CA0000485326
Cong District:	27
FIPS Code:	6037
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:	9
Site ID:	905113
EPA ID:	CA0000485326
Site Name:	MCDONNELL-DOUGLAS AIRCRAFT FACILITY
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2013-11-07 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	9
Site ID:	905113
EPA ID:	CA0000485326
Site Name:	MCDONNELL-DOUGLAS AIRCRAFT FACILITY
NPL:	N
FF:	N
OU:	0

MCDONNELL-DOUGLAS AIRCRAFT FACILITY (Continued) **1000893648**

Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	Not reported
Finish Date:	1997-09-29 00:00:00
Qual:	N
Current Action Lead:	EPA Perf
Region:	9
Site ID:	905113
EPA ID:	CA0000485326
Site Name:	MCDONNELL-DOUGLAS AIRCRAFT FACILITY
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-07-29 00:00:00
Finish Date:	1994-07-29 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

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121 SSW 1/4-1/2 0.283 mi. 1495 ft. | **SANTA MONICA BUSINESS PARK-EXPOSITION** | **LUST** | **S102431054**
2902 EXPOSITION BOULEVARD | **CPS-SLIC** | **N/A**
SANTA MONICA, CA 90405 | **ENF**
HIST CORTESE

Relative: Lower
Actual: 151 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	904040025	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Pump and Treat Groundwater
Global ID:	T0603701382	
W Global ID:	Not reported	
Staff:	SLC	
Local Agency:	19033	
Cross Street:	DORCHESTER AVE	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		2/19/1985
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:		12/16/1996
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	

SANTA MONICA BUSINESS PARK-EXPOSITION (Continued) **S102431054**

Operator:	Not reported
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	766.7315137451158642043662236 3
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:	3/25/1988
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:	GTE CALIFORNIA, INCORPORATED
RP Address:	P O BOX 725, CA301HJ, CHINO, CA 91708
Program:	SLIC
Lat/Long:	34.0284951 / -1
Local Agency Staff:	UNK
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	CASE TRANSFERRED TO SLIC (J. GEROCH) FOR TCE CONTAMINATION INVESTIGATION OVERSIGHT.

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/16/1996
Global Id:	T0603701382
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.0285812
Longitude:	-118.4624987
Case Type:	Cleanup Program Site
Case Worker:	SLC
Local Agency:	Not reported
RB Case Number:	904040025
File Location:	Not reported
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Open - Assessment & Interim Remedial Action**
Status Date:	03/30/2010
Global Id:	SLT4307573

SANTA MONICA BUSINESS PARK-EXPOSITION (Continued) **S102431054**

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.0292067580683
Longitude:	-118.462100028992
Case Type:	Cleanup Program Site
Case Worker:	RL
Local Agency:	Not reported
RB Case Number:	0130C
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply, Indoor Air, Other Groundwater (uses other than drinking water), Soil, Soil Vapor, Under Investigation, Well used for drinking water supply
Potential Contaminants of Concern:	Benzene, Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE), Trichloroethylene (TCE), Vinyl chloride, Gasoline
Site History:	NOTES: The following errors occur in the September 30, 2010 "Field Implementation Report, Soil and Groundwater Assessment, Former Douglas Aircraft Company Plant A7," Appendix H, Human Health Risk Assessment: 1) Table 3 - Title on table incorrectly indicates 5 feet bgs. This Table is for 15 feet bgs. 2) Tables 6 & 7 - RBSL units should be a%g/L not a%g/m^3 Until 1947 the site was vacant. In 1947, Douglas Aircraft built facilities. They manufactured aircraft assemblies at the site until 1972. Douglas merged with McDonnell Aircaft. McDonnell/Douglas was later bought by The Boeing Corporation. General Telephone and Electronics (GTE), a phone company, bought the site in 1972 for use as a vehicle maintenance yard. Verizon bought GTE in 2002, acquiring the site. The site is currently used by Verizon as a warehouse and vehicle staging area, where light maintenance and vehicle washing also occurs. VOCs are present in soil, soil vapor, and shallow groundwater beneath the site. These may be associated with painting and other manufacturing activities conducted by Douglas, as there are no other known sources in the immediate vicinity of the site that appear capable of contaminating shallow groundwater with VOCs at the concentrations currently observed. However, as any VOC source associated with aircraft manufacturing is more than 40 years old no well defined source has been clearly identified by the numerous soil and soil vapor sampled collected to date. Regional aquifer contamination is also present. As of 2010, VOC assessment is ongoing at the site. While owned by GTE/Verizon, a gasoline UST released fuel to soil and groundwater. Some soil was excavated and removed. Goundwater was pumped and treated to control the spread of the dissolved gasoline and to remediate groundwater. The gasoline case was given regulatory closure in 1996. Dissolved benzene remains in groundwater.

Click here to access the California GeoTracker records for this facility:

ENF:

Region:	4
Facility Id:	260398
Agency Name:	Santa Monica Business Park
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported

SANTA MONICA BUSINESS PARK-EXPOSITION (Continued) **S102431054**

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:	SLIC
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	4SLIC130C
Reg Measure Id:	157601
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):	247837
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation

SANTA MONICA BUSINESS PARK-EXPOSITION (Continued) **S102431054**

Effective Date:	07/25/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	07/25/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4SLIC130C
Description:	NOV sent 7/25/02 for deficient investigation workplan.
Program:	SLIC
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:	904040025

Y122 **3M LOS ANGELES DYNACOLOR** **HWP** **S109467284**
ESE **11915 W OLYMPIC BLVD** **N/A**
1/4-1/2 **LOS ANGELES, CA 90064**
0.286 mi.
1508 ft. **Site 2 of 3 in cluster Y**

Relative:
Lower

Actual:
159 ft.

HWP:

EPA Id:	CAT000617621
Cleanup Status:	PROTECTIVE FILER
Latitude:	34.03289
Longitude:	-118.4513
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Assembly District:	50
Senate District:	26
Public Information Officer:	Not reported
Public Information Officer:	Not reported

Activities:

EPA Id:	CAT000617621
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, OTHRTRT1
Event Description:	Protective Filer Status - PROTECTIVE FILER (RECEIVED)
Actual Date:	09/15/1982

EPA Id:	CAT000617621
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, OTHRTRT1
Event Description:	Protective Filer Status - PROTECTIVE FILER (APPROVED)

3M LOS ANGELES DYNACOLOR (Continued) **S109467284**

Actual Date: 09/30/1982

Y123 ESE 1/4-1/2 0.286 mi. 1508 ft.

3M LOS ANGELES DYNACOLOR
11915 WEST OLYMPIC BLVD.
LOS ANGELES, CA 90064

RCRA-TSDF **1000290916**
RCRA NonGen / NLR **CAT000617621**
FINDS
ECHO

Site 3 of 3 in cluster Y

Relative: Lower

Actual: 159 ft.

RCRA-TSDF:

Date form received by agency:	09/17/1993
Facility name:	3M LOS ANGELES DYNACOLOR
Facility address:	11915 WEST OLYMPIC BLVD. LOS ANGELES, CA 90064
EPA ID:	CAT000617621
Mailing address:	PO BOX 33331 ST. PAUL, MN 55133
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
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:	3M COMPANY
Owner/operator address:	11915 WEST OLYMPIC BLVD. CITY NOT REPORTED, CA 99999
Owner/operator country:	Not reported
Owner/operator telephone:	213-478-0508
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:	3M COMPANY
Owner/operator address:	11915 WEST OLYMPIC BLVD. LOS ANGELES, CA 90064
Owner/operator country:	Not reported
Owner/operator telephone:	213-478-0508
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

3M LOS ANGELES DYNACOLOR (Continued) **1000290916**

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:	3M LOS ANGELES DYNACOLOR
Classification:	Large Quantity Generator
Violation Status:	No violations found

FINDS:

Registry ID: 110002943806

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:	1000290916
Registry ID:	110002943806
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002943806

AA124 **CALAIR INT'L - S.W. MATERIALS** **SEMS-ARCHIVE** **1003879980**
WSW **1724 STANFORD AVE.** **CA0000476382**
1/4-1/2 **SANTA MONICA, CA 90404**
0.290 mi.
1530 ft. **Site 1 of 2 in cluster AA**

Relative:
Lower

Actual:
161 ft.

SEMS Archive:

Site ID:	905110
EPA ID:	CA0000476382
Cong District:	27
FIPS Code:	6037
FF:	N

CALAIR INT'L - S.W. MATERIALS (Continued) **1003879980**

NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 9
Site ID: 905110
EPA ID: CA0000476382
Site Name: CALAIR INT'L - S.W. MATERIALS
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 2000-02-07 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 9
Site ID: 905110
EPA ID: CA0000476382
Site Name: CALAIR INT'L - S.W. MATERIALS
NPL: N
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1994-07-29 00:00:00
Finish Date: 1994-07-29 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 905110
EPA ID: CA0000476382
Site Name: CALAIR INT'L - S.W. MATERIALS
NPL: N
FF: N
OU: 0
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 2000-02-07 00:00:00
Qual: N
Current Action Lead: EPA Perf

Z125 SW 1/4-1/2 0.291 mi. 1536 ft. | **NEUTRONICS INC.**
2908 NEBRASKA AVE.
SANTA MONICA, CA 90404

Site 3 of 4 in cluster Z

SEMS-ARCHIVE | **1015732564**
CA0000477034

Relative: Lower

Actual: 158 ft.

SEMS Archive:

Site ID:	905094
EPA ID:	CA0000477034
Cong District:	27
FIPS Code:	6037
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:	9
Site ID:	905094
EPA ID:	CA0000477034
Site Name:	NEUTRONICS INC.
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-03-09 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	905094
EPA ID:	CA0000477034
Site Name:	NEUTRONICS INC.
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-07-29 00:00:00
Finish Date:	1994-07-29 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	905094
EPA ID:	CA0000477034
Site Name:	NEUTRONICS INC.
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-03-09 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

AA126 WSW 1/4-1/2 0.293 mi. 1546 ft. | **J. E. YOUNG PIPELINE CO.**
1716 STANFORD AVE.
SANTA MONICA, CA 90404

SEMS-ARCHIVE | **1003879976**
CA0000476424

Site 2 of 2 in cluster AA

Relative: Lower

Actual: 161 ft.

SEMS Archive:

Site ID:	905106
EPA ID:	CA0000476424
Cong District:	27
FIPS Code:	6037
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:	9
Site ID:	905106
EPA ID:	CA0000476424
Site Name:	J. E. YOUNG PIPELINE CO.
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-02-11 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	905106
EPA ID:	CA0000476424
Site Name:	J. E. YOUNG PIPELINE CO.
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-07-29 00:00:00
Finish Date:	1994-07-29 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	905106
EPA ID:	CA0000476424
Site Name:	J. E. YOUNG PIPELINE CO.
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-02-11 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

Z127 SW 1/4-1/2 0.325 mi. 1718 ft. | **SPC ELECTRONIC RESEARCH**
2500 NEBRASKA AVENUE
SANTA MONICA, CA 90404

Site 4 of 4 in cluster Z

ENVIROSTOR | **S111842234**
N/A

Relative: Lower

Actual: 158 ft.

ENVIROSTOR:

Facility ID:	60001679
Status:	No Further Action
Status Date:	05/13/1998
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	LOS ANGELES COUNTY
Lead Agency:	LOS ANGELES COUNTY
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	41
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	34.03039
Longitude:	-118.4652
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NONE SPECIFIED
Alias Name:	60001679
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:	05/13/1998
Comments:	No further action
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

128 ENE 1/4-1/2 0.326 mi. 1722 ft. | **AVES TRUST 2010 S. WESTGATE AVE. LOS ANGELES, CA 90025** | **SEMS-ARCHIVE** | **1003073272 CAN000905652**

Relative: Higher

Actual: 168 ft.

SEMS Archive:

Site ID:	905652
EPA ID:	CAN000905652
Cong District:	Not reported
FIPS Code:	6037
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:	9
Site ID:	905652
EPA ID:	CAN000905652
Site Name:	AVES TRUST
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2013-11-07 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	905652
EPA ID:	CAN000905652
Site Name:	AVES TRUST
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	2002-10-01 00:00:00
Finish Date:	2005-08-12 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

Region:	9
Site ID:	905652
EPA ID:	CAN000905652
Site Name:	AVES TRUST
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	2000-06-16 00:00:00
Finish Date:	2000-06-16 00:00:00
Qual:	Not reported
Current Action Lead:	St Perf

129 SW 1/4-1/2 0.330 mi. 1743 ft. | **SPAZIER SOAP CHEMICAL**
2400 NEBRASKA AVE.
SANTA MONICA, CA 90404 | **ENVIROSTOR** | **S111842230**
N/A

Relative: Lower

Actual: 158 ft.

ENVIROSTOR:

Facility ID:	60001675
Status:	No Further Action
Status Date:	05/13/1998
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	LOS ANGELES COUNTY
Lead Agency:	LOS ANGELES COUNTY
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	41
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	34.03041
Longitude:	-118.4653
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NONE SPECIFIED
Alias Name:	60001675
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:	05/13/1998
Comments:	no further action
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

130 WSW 1/4-1/2 0.338 mi. 1786 ft. | **ARMAL MFG. CO.**
1660 STANFORD AVE.
SANTA MONICA, CA 90404 | **SEMS-ARCHIVE** | **1003879974**
CA0000476440

Relative: Higher

Actual: 164 ft.

SEMS Archive:

Site ID:	905104
EPA ID:	CA0000476440
Cong District:	27
FIPS Code:	6037
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:	9
Site ID:	905104
EPA ID:	CA0000476440
Site Name:	ARMAL MFG. CO.
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-03-09 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	905104
EPA ID:	CA0000476440
Site Name:	ARMAL MFG. CO.
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-07-29 00:00:00
Finish Date:	1994-07-29 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	905104
EPA ID:	CA0000476440
Site Name:	ARMAL MFG. CO.
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1999-10-01 00:00:00
Finish Date:	2000-03-09 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

AB131 **CINEMA PRODUCTS, THE** **ENVIROSTOR** **1000483023**
East **2037 GRANVILLE AVENUE** **N/A**
1/4-1/2 **LOS ANGELES, CA 90025**
0.381 mi.
2010 ft. **Site 1 of 2 in cluster AB**

Relative:
Higher

Actual:
169 ft.

ENVIROSTOR:

Facility ID:	19360526
Status:	No Further Action
Status Date:	08/23/1993
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	1
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Chatsworth
Assembly:	50
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	34.035
Longitude:	-118.4516
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - ELECTRONIC
Potential COC:	* HALOGENATED ORGANIC COMPOUNDS * HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS * OIL/WATER SEPARATION SLUDGE * ORGANIC MONOMER WASTE, INCLUDING UNREACTED RESINS * ORGANIC SOLIDS WITH HALOGENS * OTHER ORGANIC SOLIDS * Sludge - Degreasing * Sludge - Halogenated Compounds * Sludge - Paint * UNSPECIFIED AQUEOUS SOLUTION * UNSPECIFIED OIL CONTAINING WASTE * UNSPECIFIED SOLVENT MIXTURES * WASTE OIL & MIXED OIL * ADHESIVES * ORGANIC LIQUIDS (NONSOLVENTS) WITH HALOGENS * POLYMERIC RESIN WASTE * UNSPECIFIED ORGANIC LIQUID MIXTURE
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	3M COMPANY
Alias Type:	Alternate Name
Alias Name:	CARPETCRAFT
Alias Type:	Alternate Name
Alias Name:	COMPUTER COMMUNICATIONS CORPORATION
Alias Type:	Alternate Name
Alias Name:	FIDELITY ARTS
Alias Type:	Alternate Name
Alias Name:	MINNESOTA MINING & MANUFACRTURING CO.
Alias Type:	Alternate Name
Alias Name:	RADIO CORPORATION OF AMERICA
Alias Type:	Alternate Name
Alias Name:	RCA CORPORATION
Alias Type:	Alternate Name
Alias Name:	THE CINEMA PRODUCTS
Alias Type:	Alternate Name
Alias Name:	CAD 983566753
Alias Type:	EPA Identification Number
Alias Name:	CAL000123458

CINEMA PRODUCTS, THE (Continued) **1000483023**

Alias Type: EPA Identification Number
Alias Name: 19360526
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: 10/27/1994
Comments: DATABASE VERIFICATION PROJECT CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 07/14/1992
Comments: THE SITE WAS IDENTIFIED FORM EPA FIT PA REPORT DATED FEB 22, 1991 WHICH WAS RECOMMENDED NFA FOR EPA. THE ONE ACRE SITE OCCUPIED A 23,600 SQ. FT. BUILDING. THE BUILDING IS CURRENTLY OCCUPIED BY TWO BUSINESSESS FIDELITY ARTS, A RETAILER OF ARTWORKS AND CARPETCRAFT, A WHOLESALE AND RETAIL CARPET STORE. THE BUILDING CONSTRUCTED IN 1960S, LATER LEASED BY 3M COMPANY (MINNESOTA MINING & MANUFACTURING CO. AND THE COMPUTER COMMUNICATIONS CORP, BOTH PERFORMED ELECTRONIC ASSEMBLY AT THE SITE. FROM 1973 TO 1986 CINEMA PRODUCTS OPERATED AT THE SITE IN THE MANUFACTRUING OF SPECIALITY MOTION PICTURE CAMERAS. CINEMA PRODUCTS USED THE CHEMICALS SUCH AS TCE, ACETONE, LACQUER THINNER, WHITE GAS, KEROSENE, DEODORIZED KEROSENE AND TRETHANE III. SPENT TCE WAS DISPOSED AT THE SITE. ALSO, DRUM STORAGE AREA WAS STAINED WITH OIL. DEPTH TO THE GROUNDWATER AT THE SITE IS APPX 40 TO 50 FEET. PEA IS REQUIRED BECAUSE OS THE EVIDENCE OF CONTAMINATION ONSITE.

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

AB132 **CINEMA PRODUCTS** **SEMS-ARCHIVE** **1003877948**
East **2037 GRANVILLE AVE** **CAD983566753**
1/4-1/2 **LOS ANGELES, CA 90025**
0.381 mi.
2010 ft. **Site 2 of 2 in cluster AB**

Relative:
Higher

Actual:
169 ft.

SEMS Archive:
Site ID: 900021
EPA ID: CAD983566753
Cong District: 23
FIPS Code: 6037
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: 9
Site ID: 900021
EPA ID: CAD983566753

CINEMA PRODUCTS (Continued) **1003877948**

Site Name:	CINEMA PRODUCTS
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1991-03-26 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	900021
EPA ID:	CAD983566753
Site Name:	CINEMA PRODUCTS
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1990-08-17 00:00:00
Finish Date:	1990-08-17 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	900021
EPA ID:	CAD983566753
Site Name:	CINEMA PRODUCTS
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1991-03-26 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

AC133 **BOEING CO.** **CPS-SLIC** **S104404806**
SW **2801 EXPOSITION** **N/A**
1/4-1/2 **SANTA MONICA, CA 90404**
0.391 mi.
2062 ft. **Site 1 of 2 in cluster AC**

Relative:
Lower

Actual:
154 ft.

SLIC REG 4:

Region:	4
Facility Status:	Site Assessment
SLIC:	0130C
Substance:	VOCs
Staff:	John Geroch

AC134 **SANTA MONICA CITY LANDFILL II** **WMUDS/SWAT** **S103441339**
SW **STEWART & EXPOSITION** **N/A**
1/4-1/2 **SANTA MONICA, CA**
0.393 mi.
2074 ft. **Site 2 of 2 in cluster AC**

Relative:
Lower

Actual:
154 ft.

WMUDS/SWAT:

Edit Date:	19951019
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	CITY OF SANTA MONICA
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	EDWEDWEDW
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	CITY OF SANTA MONICA
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	R_N
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190066NUR
Solid Waste Information ID:	Not reported

135 WSW 1/4-1/2 0.407 mi. 2151 ft. | **SOUTHERN CA GAS CO**
1701 STEWART
SANTA MONICA, CA 90404 | **LUST**
HIST CORTESE | **S102437791**
N/A

Relative: Lower

Actual: 160 ft.

LUST:

Lead Agency:	SANTA MONICA, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603792927
Global Id:	T0603792927
Latitude:	34.0305263
Longitude:	-118.4660647
Status:	Completed - Case Closed
Status Date:	08/22/2007
Case Worker:	MH
RB Case Number:	904040416
Local Agency:	SANTA MONICA, 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:	T0603792927
Contact Type:	Local Agency Caseworker
Contact Name:	MONICA HANLEY
Organization Name:	SANTA MONICA, CITY OF
Address:	333 Olympic Drive - 2nd Floor
City:	SANTA MONICA
Email:	monica.hanley@smgov.net
Phone Number:	Not reported

Global Id:	T0603792927
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:	T0603792927
Action Type:	Other
Date:	05/08/1987
Action:	Leak Reported

Global Id:	T0603792927
Action Type:	Other
Date:	04/28/1987
Action:	Leak Discovery

Global Id:	T0603792927
Action Type:	Other
Date:	04/30/1987
Action:	Leak Stopped

SOUTHERN CA GAS CO (Continued) **S102437791**

LUST:

Global Id:	T0603792927
Status:	Completed - Case Closed
Status Date:	04/28/1987
Global Id:	T0603792927
Status:	Open - Case Begin Date
Status Date:	04/28/1987
Global Id:	T0603792927
Status:	Open - Reopen Case
Status Date:	08/26/1987
Global Id:	T0603792927
Status:	Open - Site Assessment
Status Date:	08/27/1987
Global Id:	T0603792927
Status:	Completed - Case Closed
Status Date:	08/22/2007

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	904040416
Status:	Pollution Characterization
Substance:	Gasoline
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Soil
Abatement Method Used at the Site:	Not reported
Global ID:	T0603792927
W Global ID:	Not reported
Staff:	UNK
Local Agency:	19033
Cross Street:	OLYMPIC
Enforcement Type:	Not reported
Date Leak Discovered:	4/28/1987
Date Leak First Reported:	5/8/1987
Date Leak Record Entered:	5/13/1987
Date Confirmation Began:	Not reported
Date Leak Stopped:	4/30/1987
Date Case Last Changed on Database:	11/1/1990
Date the Case was Closed:	Not reported
How Leak Discovered:	OM
How Leak Stopped:	Not reported
Cause of Leak:	Other Cause
Leak Source:	Piping
Operator:	Not reported
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	655.82720305205189067717266966
Source of Cleanup Funding:	Piping
Preliminary Site Assessment Workplan Submitted:	Not reported

SOUTHERN CA GAS CO (Continued) **S102437791**

Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	8/27/1987
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:	SOUTHERN CALIFORNIA GAS CO.
RP Address:	PO BOX 3249 TERMINAL ANNEX, LOS ANGELES, CA 90051
Program:	LUST
Lat/Long:	34.031649 / -1
Local Agency Staff:	UNK
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	LEAK CAUSED BY TWO LOOSE EXTRACTION TUBE CAPS. LAB RESULTS AND AMOUNT OF SOIL THAT WAS EXCAVATED IS FORTHCOMING.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	000890

AD136 **WESSEN BUICK DEALER (FORM** **HIST CORTESE** **S105024675**
South **3101 PICO** **N/A**
1/4-1/2 **LOS ANGELES, CA 90005**
0.408 mi.
2152 ft. **Site 1 of 2 in cluster AD**

Relative:
Lower

Actual:
156 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900190034

AD137 **PETER FOREIGN AUTO SERVICE INC** **LUST** **U001564018**
South **3007 PICO BL** **HIST UST** **N/A**
1/4-1/2 **SANTA MONICA, CA 90405**
0.418 mi.
2209 ft. **Site 2 of 2 in cluster AD**

Relative:
Higher

Actual:
164 ft.

LUST:

Lead Agency:	SANTA MONICA, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603793191
Global Id:	T0603793191

PETER FOREIGN AUTO SERVICE INC (Continued) **U001564018**

Latitude:	34.02572
Longitude:	-118.45819
Status:	Completed - Case Closed
Status Date:	06/21/2013
Case Worker:	MH
RB Case Number:	Not reported
Local Agency:	SANTA MONICA, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Other Petroleum, Benzene, MTBE / TBA / Other Fuel Oxygenates
Site History:	Not reported

LUST:

Global Id:	T0603793191
Contact Type:	Local Agency Caseworker
Contact Name:	MONICA HANLEY
Organization Name:	SANTA MONICA, CITY OF
Address:	333 Olympic Drive - 2nd Floor
City:	SANTA MONICA
Email:	monica.hanley@smgov.net
Phone Number:	Not reported

Global Id:	T0603793191
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:	T0603793191
Action Type:	Other
Date:	02/18/1998
Action:	Leak Reported

Global Id:	T0603793191
Action Type:	Other
Date:	02/18/1998
Action:	Leak Discovery

LUST:

Global Id:	T0603793191
Status:	Open - Case Begin Date
Status Date:	02/18/1998

Global Id:	T0603793191
Status:	Open - Site Assessment
Status Date:	06/27/2007

Global Id:	T0603793191
Status:	Completed - Case Closed
Status Date:	06/21/2013

PETER FOREIGN AUTO SERVICE INC (Continued) **U001564018**

HIST UST:

File Number:	00027CE6
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027CE6.pdf
Region:	STATE
Facility ID:	00000017170
Facility Type:	Other
Other Type:	GARAGE
Contact Name:	Not reported
Telephone:	2138291337
Owner Name:	PETER'S FOREIGN AUTO SERV INC
Owner Address:	3007 PICO GL
Owner City,St,Zip:	SANTA MONICA, CA 90405
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

AE138 **76 STATION #5210** **LUST** **S105691983**
NNW **11954 SANTA MONICA BLVD** **N/A**
1/4-1/2 **SAWTELLE, CA 90025**
0.433 mi.
2286 ft. **Site 1 of 2 in cluster AE**

Relative:
Higher

Actual:
204 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	900250107A	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603700695	
W Global ID:	Not reported	
Staff:	JH	
Local Agency:	19050	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	4/29/1988	
Date Leak First Reported:		5/13/1993
Date Leak Record Entered:	6/30/1993	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		Not reported
Date the Case was Closed:		3/31/1997
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	

76 STATION #5210 (Continued) **S105691983**

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):	1830.1346291555701140230008149
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:	10/10/1995
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:	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:	TOSCO/76 PRODUCTS TEAM
RP Address:	76 BROADWAY
Program:	LUST
Lat/Long:	34.0412537 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	12/31/96 - QUARTERLY MONITORING REPORT 09/30/96 - QUARTERLY MONITORING RPT 03/31/97 - QRT MONITORING RPT
Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	900250107A
Status:	Remediation Plan
Substance:	Gasoline
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Groundwater
Abatement Method Used at the Site:	Not reported
Global ID:	T0603763357
W Global ID:	Not reported
Staff:	JH
Local Agency:	19050
Cross Street:	BROCKTON AVE.
Enforcement Type:	DLSEL
Date Leak Discovered:	5/22/2002
Date Leak First Reported:	5/22/2002
Date Leak Record Entered:	Not reported
Date Confirmation Began:	Not reported
Date Leak Stopped:	Not reported

76 STATION #5210 (Continued) **S105691983**

Date Case Last Changed on Database:		Not reported
Date the Case was Closed:		Not reported
How Leak Discovered:	GWM	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		Not reported
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		7/12/2002
Pollution Characterization Began:		9/23/2003
Remediation Plan Submitted:		7/20/2004
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		8/20/2002
Hist Max MTBE Conc in Groundwater:		7.8
Hist Max MTBE Conc in Soil:		31
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	=	
Soil Qualifier:	=	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	MICHAEL BRYAN	
RP Address:	3525 HYLAND AVE.	
Program:	LUST	
Lat/Long:	0 / 0	
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	

AE139 **76 PRODUCTS STATION #5210** **LUST** **S103952452**
NNW **11954 SANTA MONICA** **HIST CORTESE** **N/A**
1/4-1/2 **WEST LOS ANGELES, CA 90025**
0.433 mi.
2286 ft. **Site 2 of 2 in cluster AE**

Relative:
Higher

Actual:
204 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603763357
Global Id:	T0603763357
Latitude:	34.041347
Longitude:	-118.461491
Status:	Completed - Case Closed
Status Date:	01/13/2010
Case Worker:	JH
RB Case Number:	900250107A
Local Agency:	LOS ANGELES, CITY OF
File Location:	Regional Board
Local Case Number:	Not reported

76 PRODUCTS STATION #5210 (Continued) **S103952452**

Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603763357
Contact Type: Regional Board Caseworker
Contact Name: JAY HUANG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: jhuang@waterboards.ca.gov
Phone Number: 2135766711

Global Id: T0603763357
Contact Type: Local Agency Caseworker
Contact Name: TBD
Organization Name: LOS ANGELES, CITY OF
Address: 200 N. MAIN ST. RM. 970
City: LOS ANGELES
Email: Not reported
Phone Number: 2134826528

LUST:
Global Id: T0603763357
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603763357
Action Type: RESPONSE
Date: 07/20/2004
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603763357
Action Type: RESPONSE
Date: 01/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603763357
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE
Date: 04/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603763357
Action Type: RESPONSE
Date: 04/15/2004

76 PRODUCTS STATION #5210 (Continued) **S103952452**

Action: Soil and Water Investigation Report

Global Id: T0603763357
Action Type: RESPONSE
Date: 07/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE
Date: 01/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603763357
Action Type: ENFORCEMENT
Date: 02/25/2003
Action: 13267 Requirement

Global Id: T0603763357
Action Type: ENFORCEMENT
Date: 05/23/2003
Action: Staff Letter

Global Id: T0603763357
Action Type: ENFORCEMENT
Date: 04/16/2003
Action: Technical Correspondence / Assistance / Other

Global Id: T0603763357
Action Type: RESPONSE
Date: 10/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603763357
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

76 PRODUCTS STATION #5210 (Continued) **S103952452**

Global Id: T0603763357
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603763357
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603763357
Action Type: ENFORCEMENT
Date: 07/12/2002
Action: 13267 Requirement

Global Id: T0603763357
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: Other
Date: 05/22/2002
Action: Leak Reported

Global Id: T0603763357
Action Type: RESPONSE
Date: 07/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603763357
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: ENFORCEMENT
Date: 02/04/2004
Action: Staff Letter

Global Id: T0603763357
Action Type: ENFORCEMENT

76 PRODUCTS STATION #5210 (Continued) **S103952452**

Date: 08/23/2004
Action: Staff Letter

Global Id: T0603763357
Action Type: ENFORCEMENT
Date: 04/17/2007
Action: Site Visit / Inspection / Sampling

Global Id: T0603763357
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE
Date: 10/15/2007
Action: Conceptual Site Model

Global Id: T0603763357
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE
Date: 04/15/2009
Action: Conceptual Site Model

Global Id: T0603763357
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE
Date: 04/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603763357
Action Type: RESPONSE
Date: 07/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603763357
Action Type: RESPONSE
Date: 07/15/2003
Action: Soil and Water Investigation Workplan

Global Id: T0603763357
Action Type: RESPONSE
Date: 07/15/2003
Action: Interim Remedial Action Plan

76 PRODUCTS STATION #5210 (Continued) **S103952452**

Global Id: T0603763357
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603763357
Action Type: RESPONSE
Date: 08/22/2003
Action: Soil and Water Investigation Workplan

Global Id: T0603763357
Action Type: RESPONSE
Date: 03/15/2003
Action: Soil and Water Investigation Workplan

Global Id: T0603763357
Action Type: REMEDIATION
Date: 12/17/2006
Action: Soil Vapor Extraction (SVE)

Global Id: T0603763357
Action Type: ENFORCEMENT
Date: 01/22/2003
Action: Staff Letter

Global Id: T0603763357
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE
Date: 04/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603763357
Action Type: RESPONSE
Date: 07/15/2007
Action: Conceptual Site Model

Global Id: T0603763357
Action Type: RESPONSE
Date: 07/15/2008
Action: Conceptual Site Model

Global Id: T0603763357
Action Type: RESPONSE
Date: 10/15/2008
Action: Conceptual Site Model

Global Id: T0603763357
Action Type: RESPONSE

76 PRODUCTS STATION #5210 (Continued) **S103952452**

Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603763357
Action Type: RESPONSE
Date: 01/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603763357
Action Type: RESPONSE
Date: 10/20/2009
Action: Soil and Water Investigation Report

Global Id: T0603763357
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE
Date: 01/15/2008
Action: Conceptual Site Model

Global Id: T0603763357
Action Type: RESPONSE
Date: 04/15/2008
Action: Conceptual Site Model

Global Id: T0603763357
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE
Date: 10/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603763357
Action Type: RESPONSE
Date: 06/09/2008
Action: Soil and Water Investigation Workplan

Global Id: T0603763357
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE
Date: 04/22/2004
Action: CAP/RAP - Feasibility Study Report

76 PRODUCTS STATION #5210 (Continued) **S103952452**

Global Id: T0603763357
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE
Date: 07/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603763357
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603763357
Action Type: ENFORCEMENT
Date: 07/08/2008
Action: Staff Letter

Global Id: T0603763357
Action Type: ENFORCEMENT
Date: 12/21/2009
Action: Notification - Preclosure

Global Id: T0603763357
Action Type: ENFORCEMENT
Date: 01/13/2010
Action: Closure/No Further Action Letter

Global Id: T0603763357
Action Type: RESPONSE
Date: 10/15/2002
Action: Soil and Water Investigation Report

Global Id: T0603763357
Action Type: RESPONSE
Date: 04/15/2007
Action: Conceptual Site Model

Global Id: T0603763357
Action Type: RESPONSE
Date: 01/15/2009
Action: Conceptual Site Model

Global Id: T0603763357
Action Type: Other
Date: 05/22/2002
Action: Leak Discovery

Global Id: T0603763357
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603763357
Action Type: RESPONSE

76 PRODUCTS STATION #5210 (Continued) **S103952452**

Date: 01/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603763357
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

LUST:
Global Id: T0603763357
Status: Open - Case Begin Date
Status Date: 05/22/2002

Global Id: T0603763357
Status: Open - Site Assessment
Status Date: 07/12/2002

Global Id: T0603763357
Status: Open - Site Assessment
Status Date: 01/22/2003

Global Id: T0603763357
Status: Open - Verification Monitoring
Status Date: 02/04/2004

Global Id: T0603763357
Status: Open - Remediation
Status Date: 07/20/2004

Global Id: T0603763357
Status: Open - Site Assessment
Status Date: 06/09/2008

Global Id: T0603763357
Status: Completed - Case Closed
Status Date: 01/13/2010

Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700695
Global Id: T0603700695
Latitude: 34.0412537
Longitude: -118.4613211
Status: Completed - Case Closed
Status Date: 03/31/1997
Case Worker: JH
RB Case Number: 900250107A
Local Agency: LOS ANGELES, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603700695

76 PRODUCTS STATION #5210 (Continued) **S103952452**

Contact Type:	Regional Board Caseworker
Contact Name:	JAY HUANG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	jhuang@waterboards.ca.gov
Phone Number:	2135766711

Global Id:	T0603700695
Contact Type:	Local Agency Caseworker
Contact Name:	TBD
Organization Name:	LOS ANGELES, CITY OF
Address:	200 N. MAIN ST. RM. 970
City:	LOS ANGELES
Email:	Not reported
Phone Number:	2134826528

LUST:

Global Id:	T0603700695
Action Type:	Other
Date:	04/29/1988
Action:	Leak Discovery

Global Id:	T0603700695
Action Type:	Other
Date:	05/13/1993
Action:	Leak Reported

LUST:

Global Id:	T0603700695
Status:	Open - Case Begin Date
Status Date:	04/29/1988

Global Id:	T0603700695
Status:	Open - Remediation
Status Date:	10/10/1995

Global Id:	T0603700695
Status:	Completed - Case Closed
Status Date:	03/31/1997

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900250107

140 ENE 1/4-1/2 0.441 mi. 2328 ft. | **WESTERN DISTRICT COLLECTION YARD**
2027 STONER AVE S.
WEST LOS ANGELES, CA 90025 | **LUST** | **S106116329**
N/A

Relative: Higher

Actual: 174 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603763571
Global Id:	T0603763571
Latitude:	34.036095
Longitude:	-118.45089
Status:	Open - Remediation
Status Date:	01/13/2005
Case Worker:	JR
RB Case Number:	900250243
Local Agency:	LOS ANGELES, CITY OF
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Total Petroleum Hydrocarbons (TPH)
Site History:	Not reported

LUST:

Global Id:	T0603763571
Contact Type:	Regional Board Caseworker
Contact Name:	JAMES RYAN
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	West 4th Street, Suite 200
City:	LOS ANGELES
Email:	jamesw.ryan@waterboards.ca.gov
Phone Number:	2135766711

Global Id:	T0603763571
Contact Type:	Local Agency Caseworker
Contact Name:	TBD
Organization Name:	LOS ANGELES, CITY OF
Address:	200 N. MAIN ST. RM. 970
City:	LOS ANGELES
Email:	Not reported
Phone Number:	2134826528

LUST:

Global Id:	T0603763571
Action Type:	RESPONSE
Date:	04/11/2003
Action:	Other Report / Document

Global Id:	T0603763571
Action Type:	RESPONSE
Date:	01/15/2012
Action:	Monitoring Report - Quarterly

Global Id:	T0603763571
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Monitoring Report - Quarterly

WESTERN DISTRICT COLLECTION YARD (Continued) **S106116329**

Global Id: T0603763571
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 10/02/2003
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603763571
Action Type: RESPONSE
Date: 07/15/2004
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0603763571
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 04/15/2016
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: Other
Date: 01/16/2001
Action: Leak Reported

Global Id: T0603763571
Action Type: RESPONSE
Date: 10/15/2017
Action: Monitoring Report - Semi-Annually

Global Id: T0603763571
Action Type: RESPONSE

WESTERN DISTRICT COLLECTION YARD (Continued) **S106116329**

Date: 07/15/2016
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 01/15/2013
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 01/15/2016
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 08/31/2017
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0603763571
Action Type: RESPONSE
Date: 01/15/2018
Action: Electronic Reporting Submittal Due

Global Id: T0603763571
Action Type: RESPONSE
Date: 01/15/2017
Action: Monitoring Report - Semi-Annually

Global Id: T0603763571
Action Type: RESPONSE
Date: 08/15/2003
Action: Interim Remedial Action Plan

Global Id: T0603763571
Action Type: RESPONSE
Date: 08/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: ENFORCEMENT
Date: 09/01/2016
Action: Staff Letter

Global Id: T0603763571
Action Type: RESPONSE
Date: 01/15/2018
Action: Monitoring Report - Semi-Annually

Global Id: T0603763571
Action Type: RESPONSE
Date: 07/15/2014
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 07/15/2017
Action: Electronic Reporting Submittal Due

WESTERN DISTRICT COLLECTION YARD (Continued) **S106116329**

Global Id: T0603763571
Action Type: ENFORCEMENT
Date: 04/21/2003
Action: Staff Letter

Global Id: T0603763571
Action Type: ENFORCEMENT
Date: 06/12/2007
Action: Staff Letter

Global Id: T0603763571
Action Type: ENFORCEMENT
Date: 09/11/2017
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603763571
Action Type: RESPONSE
Date: 10/15/2015
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 10/15/2013
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 01/15/2014
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 10/15/2014
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: REMEDIATION
Date: 03/01/2000
Action: Free Product Removal

Global Id: T0603763571
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603763571
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE

WESTERN DISTRICT COLLECTION YARD (Continued) **S106116329**

Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 07/15/2015
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: ENFORCEMENT
Date: 04/19/2004
Action: Staff Letter

Global Id: T0603763571
Action Type: ENFORCEMENT
Date: 03/10/2003
Action: Staff Letter

Global Id: T0603763571
Action Type: ENFORCEMENT
Date: 10/20/2003
Action: Staff Letter

Global Id: T0603763571
Action Type: Other
Date: 10/07/1999
Action: Leak Stopped

Global Id: T0603763571
Action Type: ENFORCEMENT
Date: 06/08/2017
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603763571
Action Type: RESPONSE
Date: 07/15/2004
Action: Well Installation Report

Global Id: T0603763571
Action Type: Other
Date: 10/07/1999
Action: Leak Discovery

Global Id: T0603763571
Action Type: RESPONSE
Date: 04/21/2005
Action: Soil and Water Investigation Report

Global Id: T0603763571
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

WESTERN DISTRICT COLLECTION YARD (Continued) **S106116329**

Global Id: T0603763571
Action Type: RESPONSE
Date: 09/30/2003
Action: Interim Remedial Action Plan

Global Id: T0603763571
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 11/30/2016
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603763571
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: ENFORCEMENT
Date: 08/25/2003
Action: Staff Letter

Global Id: T0603763571
Action Type: ENFORCEMENT
Date: 07/29/2003
Action: Staff Letter

Global Id: T0603763571
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 07/15/2017
Action: Monitoring Report - Semi-Annually

Global Id: T0603763571
Action Type: RESPONSE

WESTERN DISTRICT COLLECTION YARD (Continued) **S106116329**

Date: 07/15/2011
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Quarterly

Global Id: T0603763571
Action Type: RESPONSE
Date: 07/15/2017
Action: Well Installation Workplan - Regulator Responded

LUST:
Global Id: T0603763571
Status: Open - Case Begin Date
Status Date: 10/07/1999

Global Id: T0603763571
Status: Open - Site Assessment
Status Date: 01/13/2003

Global Id: T0603763571
Status: Open - Remediation
Status Date: 01/13/2005

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900250243
Status: Pollution Characterization
Substance: UNK
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603763571
W Global ID: Not reported
Staff: WXT
Local Agency: 19050
Cross Street: STONER AVE & MOTOR AVE
Enforcement Type: DLSEL
Date Leak Discovered: 10/7/1999
Date Leak First Reported: 1/16/2001
Date Leak Record Entered: Not reported
Date Confirmation Began: Not reported
Date Leak Stopped: 10/7/1999
Date Case Last Changed on Database: Not reported
Date the Case was Closed: Not reported
How Leak Discovered: OM
How Leak Stopped: Close Tank
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported

WESTERN DISTRICT COLLECTION YARD (Continued) **S106116329**

Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	Not reported
Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	1/13/2003
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:	WILLIAM MALVEY
RP Address:	650 S. SPRINGS ST., SUITE #600
Program:	LUST
Lat/Long:	0 / 0
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

141
WSW
1/4-1/2
0.448 mi.
2366 ft.

Relative:
Higher

Actual:
162 ft.

SANTA MONICA COLLEGE, ACADEMY OF ENTERTAINMENT & T **ENVIROSTOR** **S111752598**
1660 STEWART STREET **LUST** **N/A**
SANTA MONICA, CA 90404 **SCH**
DEED
NPDES
CIWQS

ENVIROSTOR:

Facility ID:	60001654
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	06/15/2017
Site Code:	304640
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	3.44
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Aslam Shareef
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	41, 50
Senate:	26
Special Program:	Not reported
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District

SANTA MONICA COLLEGE, ACADEMY OF ENTERTAINMENT & TECHNOLOGY (Continued) **S111752598**

Latitude:	34.03087
Longitude:	-118.4675
APN:	4268001902, 4268001903
Past Use:	SCHOOL - COLLEGE
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NMA
Alias Name:	4268001902
Alias Type:	APN
Alias Name:	4268001903
Alias Type:	APN
Alias Name:	304640
Alias Type:	Project Code (Site Code)
Alias Name:	60001654
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:	06/27/2013
Comments:	DTSC approved the PEA with a Further Action determination
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Workplan
Completed Date:	10/24/2014
Comments:	An updated SSI Report (dated Oct 7, 2014) was submitted in lieu of a revised workplan
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Report
Completed Date:	12/08/2015
Comments:	DTSC approved the SSI report with a Land Use Restrictions
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/19/2016
Comments:	Annual Cost Estimate letter sent to RP on 9/19/16.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/01/2017
Comments:	Annual cost estimate letter sent 9/1/17.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Amendment - Order/Agreement
Completed Date:	06/27/2014
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/21/2015

SANTA MONICA COLLEGE, ACADEMY OF ENTERTAINMENT & TECHNOLOGY (Continued) **S111752598**

Comments: Annual Cost Estimate emailed and mailed to BP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 04/21/2017
Comments: Inactive Status Letter processed with 14 day notice ending on May 5, 2017

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/01/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/08/2012
Comments: Fully executed VCA sent (FedEx) to District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/27/2014
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

LUST:
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000006140
Global Id: T10000006140
Latitude: 34.0313340584694
Longitude: -118.467645636829
Status: Completed - Case Closed
Status Date: 12/08/2014
Case Worker: DPP
RB Case Number: 904040498
Local Agency: Not reported
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

LUST:
Global Id: T10000006140

SANTA MONICA COLLEGE, ACADEMY OF ENTERTAINMENT & TECHNOLOGY (Continued) **S111752598**

Contact Type: Regional Board Caseworker
Contact Name: DANIEL PIROTTON
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: dpirotton@waterboards.ca.gov
Phone Number: 2135766714

LUST:

Global Id: T10000006140
Action Type: Other
Date: 08/18/2014
Action: Leak Discovery

Global Id: T10000006140
Action Type: ENFORCEMENT
Date: 10/14/2014
Action: Notification - Preclosure

Global Id: T10000006140
Action Type: Other
Date: 08/18/2014
Action: Leak Began

Global Id: T10000006140
Action Type: RESPONSE
Date: 12/01/2014
Action: Soil and Water Investigation Report

Global Id: T10000006140
Action Type: RESPONSE
Date: 11/01/2014
Action: Other Report / Document

Global Id: T10000006140
Action Type: ENFORCEMENT
Date: 12/08/2014
Action: Closure/No Further Action Letter

Global Id: T10000006140
Action Type: ENFORCEMENT
Date: 08/18/2014
Action: Referral to Regional Board

Global Id: T10000006140
Action Type: ENFORCEMENT
Date: 09/02/2014
Action: Staff Letter

Global Id: T10000006140
Action Type: ENFORCEMENT
Date: 09/05/2014
Action: Staff Letter

Global Id: T10000006140
Action Type: Other
Date: 08/18/2014

SANTA MONICA COLLEGE, ACADEMY OF ENTERTAINMENT & TECHNOLOGY (Continued) **S111752598**

Action: Leak Reported

LUST:

Global Id: T10000006140
Status: Open - Case Begin Date
Status Date: 08/18/2014

Global Id: T10000006140
Status: Open - Inactive
Status Date: 08/27/2014

Global Id: T10000006140
Status: Open - Assessment & Interim Remedial Action
Status Date: 09/05/2014

Global Id: T10000006140
Status: Open - Eligible for Closure
Status Date: 10/14/2014

Global Id: T10000006140
Status: Completed - Case Closed
Status Date: 12/08/2014

SCH:

Facility ID: 60001654
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 3.44
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Aslam Shareef
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304640
Assembly: 41, 50
Senate: 26
Special Program Status: Not reported
Status: Certified O&M - Land Use Restrictions Only
Status Date: 06/15/2017
Restricted Use: YES
Funding: School District
Latitude: 34.03087
Longitude: -118.4675
APN: 4268001902, 4268001903
Past Use: SCHOOL - COLLEGE
Potential COC: NONE SPECIFIED, No Contaminants found
Confirmed COC: No Contaminants found
Potential Description: NMA
Alias Name: 4268001902
Alias Type: APN
Alias Name: 4268001903

SANTA MONICA COLLEGE, ACADEMY OF ENTERTAINMENT & TECHNOLOGY (Continued) **S111752598**

Alias Type: APN
Alias Name: 304640
Alias Type: Project Code (Site Code)
Alias Name: 60001654
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: 06/27/2013
Comments: DTSC approved the PEA with a Further Action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 10/24/2014
Comments: An updated SSI Report (dated Oct 7, 2014) was submitted in lieu of a revised workplan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 12/08/2015
Comments: DTSC approved the SSI report with a Land Use Restrictions

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/19/2016
Comments: Annual Cost Estimate letter sent to RP on 9/19/16.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/01/2017
Comments: Annual cost estimate letter sent 9/1/17.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 06/27/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/21/2015
Comments: Annual Cost Estimate emailed and mailed to BP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 04/21/2017
Comments: Inactive Status Letter processed with 14 day notice ending on May 5, 2017

Completed Area Name: PROJECT WIDE

SANTA MONICA COLLEGE, ACADEMY OF ENTERTAINMENT & TECHNOLOGY (Continued) **S111752598**

Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/01/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/08/2012
Comments: Fully executed VCA sent (FedEx) to District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/27/2014
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

DEED:
Envirostor ID: 60001654
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: SCHOOL CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 06/01/2017
File Name: Envirostor Land Use Restrictions

NPDES:
Facility Status: Active
NPDES Number: CAS000002
Region: 4
Agency Number: 0
Regulatory Measure ID: 412700
Place ID: Not reported
Order Number: 2009-0009-DWQ
WDID: 4 19C363306
Regulatory Measure Type: Enrollee
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 03/26/2012
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 1900 Pico Blvd
Discharge Name: Santa Monica Community College District
Discharge City: Santa Monica

SANTA MONICA COLLEGE, ACADEMY OF ENTERTAINMENT & TECHNOLOGY (Continued) **S111752598**

Discharge State:	California
Discharge Zip:	90405
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:	CAS000002
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	412700
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C363306
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/26/2012
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Santa Monica Community College District
Discharge Address:	1900 Pico Blvd
Discharge City:	Santa Monica
Discharge State:	California
Discharge Zip:	90405
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

SANTA MONICA COLLEGE, ACADEMY OF ENTERTAINMENT & TECHNOLOGY (Continued) **S111752598**

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:	412700
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C363306
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:	03/21/2012
Processed Date:	03/26/2012
Status:	Active
Status Date:	03/26/2012
Place Size:	3.44
Place Size Unit:	Acres
Contact:	Lee Paul
Contact Title:	Construction Manager
Contact Phone:	310-434-4730

SANTA MONICA COLLEGE, ACADEMY OF ENTERTAINMENT & TECHNOLOGY (Continued) **S111752598**

Contact Phone Ext:	Not reported
Contact Email:	lpi1@mac.com
Operator Name:	Santa Monica Community College District
Operator Address:	1900 Pico Blvd
Operator City:	Santa Monica
Operator State:	California
Operator Zip:	90405
Operator Contact:	Lee Paul
Operator Contact Title:	Construction Manager
Operator Contact Phone:	310-434-4730
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	lpi1@mac.com
Operator Type:	Special District
Developer:	Santa Monica Community College District
Developer Address:	1900 Pico Blvd
Developer City:	Santa Monica
Developer State:	California
Developer Zip:	90405
Developer Contact:	Lee Paul
Developer Contact Title:	Construction Manager
Constype Linear Utility Ind:	N
Emergency Phone:	310-434-4300
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:	Educational
Constype Other Ind:	Y
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:	Greg Brown
Certifier Title:	Director of Facilities Planning
Certification Date:	21-MAR-12
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

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 19C363306

SANTA MONICA COLLEGE, ACADEMY OF ENTERTAINMENT & TECHNOLOGY (Continued) **S111752598**

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
Discharge Zip:	Not reported
Status:	Active
Status Date:	03/26/2012
Operator Name:	Santa Monica Community College District
Operator Address:	1900 Pico Blvd
Operator City:	Santa Monica
Operator State:	California
Operator Zip:	90405

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	412700
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C363306
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/26/2012
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Santa Monica Community College District
Discharge Address:	1900 Pico Blvd
Discharge City:	Santa Monica
Discharge State:	California
Discharge Zip:	90405
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

SANTA MONICA COLLEGE, ACADEMY OF ENTERTAINMENT & TECHNOLOGY (Continued) **S111752598**

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:	412700
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C363306
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

SANTA MONICA COLLEGE, ACADEMY OF ENTERTAINMENT & TECHNOLOGY (Continued) **S111752598**

Received Date:	03/21/2012
Processed Date:	03/26/2012
Status:	Active
Status Date:	03/26/2012
Place Size:	3.44
Place Size Unit:	Acres
Contact:	Lee Paul
Contact Title:	Construction Manager
Contact Phone:	310-434-4730
Contact Phone Ext:	Not reported
Contact Email:	lpi1@mac.com
Operator Name:	Santa Monica Community College District
Operator Address:	1900 Pico Blvd
Operator City:	Santa Monica
Operator State:	California
Operator Zip:	90405
Operator Contact:	Lee Paul
Operator Contact Title:	Construction Manager
Operator Contact Phone:	310-434-4730
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	lpi1@mac.com
Operator Type:	Special District
Developer:	Santa Monica Community College District
Developer Address:	1900 Pico Blvd
Developer City:	Santa Monica
Developer State:	California
Developer Zip:	90405
Developer Contact:	Lee Paul
Developer Contact Title:	Construction Manager
Constype Linear Utility Ind:	N
Emergency Phone:	310-434-4300
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:	Educational
Constype Other Ind:	Y
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:	Greg Brown
Certifier Title:	Director of Facilities Planning
Certification Date:	21-MAR-12
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

SANTA MONICA COLLEGE, ACADEMY OF ENTERTAINMENT & TECHNOLOGY (Continued) **S111752598**

CIWQS:

Agency:	Santa Monica Community College District
Agency Address:	1900 Pico Blvd, Santa Monica, CA 90405
Place/Project Type:	Construction - Other: Educational
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C363306
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	03/26/2012
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:	1
Violations within 5 years:	1
Latitude:	34.03087
Longitude:	-118.46758

142
NW
1/4-1/2
0.473 mi.
2500 ft.

REGENCY DRY CLEANER (FORMER) **CPS-SLIC** **S105911431**
12225 SANTA MONICA BLVD **N/A**
LOS ANGELES, CA 90025

Relative:
Higher

Actual:
214 ft.

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/09/1996
Global Id:	SLT43360358
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.040016
Longitude:	-118.463524
Case Type:	Cleanup Program Site
Case Worker:	DH
Local Agency:	Not reported
RB Case Number:	0566
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:

SLIC REG 4:

Region:	4
Facility Status:	No further action required
SLIC:	0566
Substance:	VOCs
Staff:	David Hung

143 NNW 1/4-1/2 0.485 mi. 2559 ft. | **GTE BUNDY CENTRAL OFFICE**
1450 BUNDY DR S
SAWTELLE, CA 90025 | **LUST**
HAZNET
HIST CORTESE | **1000132984**
N/A

Relative: Higher

Actual: 217 ft.

LUST:

Lead Agency:	LOS ANGELES, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700698
Global Id:	T0603700698
Latitude:	34.0413156
Longitude:	-118.4640851
Status:	Completed - Case Closed
Status Date:	11/06/1998
Case Worker:	EL
RB Case Number:	900250134
Local Agency:	LOS ANGELES, 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:	T0603700698
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

Global Id:	T0603700698
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:	T0603700698
Action Type:	Other
Date:	10/20/1987
Action:	Leak Stopped

Global Id:	T0603700698
Action Type:	Other
Date:	10/20/1987
Action:	Leak Discovery

Global Id:	T0603700698
Action Type:	Other
Date:	10/21/1987
Action:	Leak Reported

GTE BUNDY CENTRAL OFFICE (Continued) **1000132984**

LUST:

Global Id:	T0603700698
Status:	Open - Case Begin Date
Status Date:	10/20/1987
Global Id:	T0603700698
Status:	Open - Site Assessment
Status Date:	10/21/1987
Global Id:	T0603700698
Status:	Completed - Case Closed
Status Date:	11/06/1998

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	900250134
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:	T0603700698
W Global ID:	Not reported
Staff:	UNK
Local Agency:	19050
Cross Street:	SANTA MONICA
Enforcement Type:	Not reported
Date Leak Discovered:	10/20/1987
Date Leak First Reported:	10/21/1987
Date Leak Record Entered:	11/11/1987
Date Confirmation Began:	Not reported
Date Leak Stopped:	10/20/1987
Date Case Last Changed on Database:	11/6/1998
Date the Case was Closed:	11/6/1998
How Leak Discovered:	Tank Test
How Leak Stopped:	Not reported
Cause of Leak:	Structure Failure
Leak Source:	Tank
Operator:	LAROCCO, CHUCK
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	1179.06642988978737347661350 42
Source of Cleanup Funding:	Tank
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	10/21/1987
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

GTE BUNDY CENTRAL OFFICE (Continued) **1000132984**

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:	GTE	
RP Address:	P.O. BOX 725, CHINO, CA 91708	
Program:	LUST	
Lat/Long:	34.0413156 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

HAZNET:

envid:	1000132984
Year:	2013
GEPAID:	CAC002722492
Contact:	MASOOD CHOUDHURY
Telephone:	9096205962
Mailing Name:	Not reported
Mailing Address:	PO BOX 725
Mailing City,St,Zip:	CHINO, CA 91708
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
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:	0.04336
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900250134

AF144 **REX PRECISION PRODS INC** **SEMS-ARCHIVE** **1015732953**
East **2131 STONER AVE** **RCRA-SQG** **CAT080032949**
1/4-1/2 **WEST LOS ANGELES, CA 90025**
0.490 mi.
2589 ft. **Site 1 of 2 in cluster AF**

Relative:
Higher

Actual:
166 ft.

SEMS Archive:

Site ID:	902703
EPA ID:	CAT080032949
Cong District:	23
FIPS Code:	6037
FF:	N
NPL:	Not on the NPL

REX PRECISION PRODS INC (Continued) **1015732953**

Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	9
Site ID:	902703
EPA ID:	CAT080032949
Site Name:	REX PRECISION PROD INC
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1987-10-01 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	902703
EPA ID:	CAT080032949
Site Name:	REX PRECISION PROD INC
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1981-05-01 00:00:00
Finish Date:	1981-05-01 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	902703
EPA ID:	CAT080032949
Site Name:	REX PRECISION PROD INC
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1984-05-01 00:00:00
Finish Date:	1987-10-01 00:00:00
Qual:	N
Current Action Lead:	St Perf

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	REX PRECISION PRODS INC
Facility address:	2131 STONER AVE WEST LOS ANGELES, CA 90025
EPA ID:	CAT080032949
Mailing address:	STONER AVE WEST LOS ANGELES, CA 90025

REX PRECISION PRODS INC (Continued) **1015732953**

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:	ALCO STANDARD
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

REX PRECISION PRODS INC (Continued) **1015732953**

Used oil transporter: No

Violation Status: No violations found

AF145
East
1/4-1/2
0.490 mi.
2589 ft.

STONER AVENUE SITE
2131 STONER AVENUE
LOS ANGELES, CA 90025

Site 2 of 2 in cluster AF

ENVIROSTOR **S100197648**
VCP **N/A**
HIST CORTESE
LA Co. Site Mitigation

Relative:
Higher

Actual:
166 ft.

ENVIROSTOR:

Facility ID:	19340669
Status:	No Further Action
Status Date:	04/26/2007
Site Code:	300322
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.75
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Assembly:	50
Senate:	26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.03411
Longitude:	-118.4495
APN:	4260-010-005, 4260010005
Past Use:	FOUNDRY, MACHINE SHOP, VEHICLE MAINTENANCE
Potential COC:	* HALOGENATED SOLVENTS * CONTAMINATED SOIL Lead Chromium VI Nickel
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	ALCO STANDARD CORPORATION (1978-1988)
Alias Type:	Alternate Name
Alias Name:	METCAST CORPORATION (1967-1978)
Alias Type:	Alternate Name
Alias Name:	REX PRECISION
Alias Type:	Alternate Name
Alias Name:	WALKER-BUERGE COMPANY
Alias Type:	Alternate Name
Alias Name:	4260-010-005
Alias Type:	APN
Alias Name:	4260010005
Alias Type:	APN
Alias Name:	CAT080032949
Alias Type:	EPA Identification Number
Alias Name:	110033617968
Alias Type:	EPA (FRS #)
Alias Name:	300322
Alias Type:	Project Code (Site Code)
Alias Name:	19340669
Alias Type:	Envirostor ID Number

Completed Info:

STONER AVENUE SITE (Continued) **S100197648**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 09/06/1988
Comments: Identified the site through RP letter contacting DTSC in HQ

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 09/29/1983
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/09/1983
Comments: FACILITY IDENTIFIED ID FROM DRIVE-BYS IN VICINITY. FACILITY DRIVE-BY DRUMS IN YARD. IN A HEAVY INDUST AREA. A MESSY YARD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 11/19/2004
Comments: DTSC entered into a VCA to oversee a Site Characterization and a Removal Action Workplan if required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/26/1992
Comments: The Department completed review of a Preliminary Endangerment Assessment (PEA). DTSC does not concur with the recommendation that no further action is needed at the site. DTSC recommends further characterization of the entire site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 07/01/1991
Comments: Site screening completed. L.A county referred site to DTSC. Metcast operated the site from 1967 to 1978. Alco Standard corporation operated the site from 1978 to 1988. Metcast leased property for the manufacture of medical instruments. Process included metal plating, including a foundry. Alco continued the same processes until 1988. Currently an auto body repair shop is on site. Sampling revealed high concentrations of chromium, lead nickel, and TCE in the soil. GW encountered at 38 feet. RP informed of the PEA process. Medium priority PEA required because of contaminated soil and potential GW contamination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 04/02/1984
Comments: INSPECTION(LOCAL) CO SANIT. ANNUALLY REGULR INDUST INSP. SOURCE ACT: T/C W/ P.VICK,REX RECISION, (213)532-2060,4/2/84 - PROD OF STEEL & ALUM CASTINGS FOR AIRCRAFT PARTS. YR OF OPER: 1978 TO PRESENT WASTE

STONER AVENUE SITE (Continued) **S100197648**

TYPE: SODIUM HYDROXIDE SLUDGE & CAUSTIC MATERIALS. SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 11/11/2005
Comments: DTSC approved Soil Assessment Work plan to complete the site characterization.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 12/02/2005
Comments: DTSC approved a Baseline Risk Assessment Workplan for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 03/20/2007
Comments: Based upon DTSC's review of post remediation human health risk assessment, the Site does not appear to pose a threat to human health or the environment under any land use. Therefore, DTSC determines that No Further Action is necessary with respect to investigation and remediation of hazardous substances at the Site.

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: 19340669
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 0.75
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Site Code: 300322
Assembly: 50
Senate: 26
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 04/26/2007
Restricted Use: NO
Funding: Responsible Party

STONER AVENUE SITE (Continued) **S100197648**

Lat/Long:	34.03411 / -118.4495
APN:	4260-010-005, 4260010005
Past Use:	FOUNDRY, MACHINE SHOP, VEHICLE MAINTENANCE
Potential COC:	10003, 10097, 30013, 30153, 30407
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	ALCO STANDARD CORPORATION (1978-1988)
Alias Type:	Alternate Name
Alias Name:	METCAST CORPORATION (1967-1978)
Alias Type:	Alternate Name
Alias Name:	REX PRECISION
Alias Type:	Alternate Name
Alias Name:	WALKER-BUERGE COMPANY
Alias Type:	Alternate Name
Alias Name:	4260-010-005
Alias Type:	APN
Alias Name:	4260010005
Alias Type:	APN
Alias Name:	CAT080032949
Alias Type:	EPA Identification Number
Alias Name:	110033617968
Alias Type:	EPA (FRS #)
Alias Name:	300322
Alias Type:	Project Code (Site Code)
Alias Name:	19340669
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	09/06/1988
Comments:	Identified the site through RP letter contacting DTSC in HQ

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	09/29/1983
Comments:	FACILITY IDENTIFIED ID FROM ERRIS

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	03/09/1983
Comments:	FACILITY IDENTIFIED ID FROM DRIVE-BYS IN VICINITY. FACILITY DRIVE-BY DRUMS IN YARD. IN A HEAVY INDUST AREA. A MESSY YARD.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	11/19/2004
Comments:	DTSC entered into a VCA to oversee a Site Characterization and a Removal Action Workplan if required.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/26/1992

STONER AVENUE SITE (Continued) **S100197648**

Comments: The Department completed review of a Preliminary Endangerment Assessment (PEA). DTSC does not concur with the recommendation that no further action is needed at the site. DTSC recommends further characterization of the entire site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 07/01/1991
Comments: Site screening completed. L.A county referred site to DTSC. Metcast operated the site from 1967 to 1978. Alco Standard corporation operated the site from 1978 to 1988. Metcast leased property for the manufacture of medical instruments. Process included metal plating, including a foundry. Alco continued the same processes until 1988. Currently an auto body repair shop is on site. Sampling revealed high concentrations of chromium, lead nickel, and TCE in the soil. GW encountered at 38 feet. RP informed of the PEA process. Medium priority PEA required because of contaminated soil and potential GW contamination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 04/02/1984
Comments: INSPECTION(LOCAL) CO SANIT. ANNUALLY REGULR INDUST INSP. SOURCE ACT: T/C W/ P.VICK,REX RECISION, (213)532-2060,4/2/84 - PROD OF STEEL & ALUM CASTINGS FOR AIRCRAFT PARTS. YR OF OPER: 1978 TO PRESENT WASTE TYPE: SODIUM HYDROXIDE SLUDGE & CAUSTIC MATERIALS. SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 11/11/2005
Comments: DTSC approved Soil Assessment Work plan to complete the site characterization.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 12/02/2005
Comments: DTSC approved a Baseline Risk Assessment Workplan for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 03/20/2007
Comments: Based upon DTSC's review of post remediation human health risk assessment, the Site does not appear to pose a threat to human health or the environment under any land use. Therefore, DTSC determines that No Further Action is necessary with respect to investigation and remediation of hazardous substances at the Site.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported

STONER AVENUE SITE (Continued) **S100197648**

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: 19340669

LA Co. Site Mitigation:
Facility ID: Not reported
Status: Not reported
Site ID: SD0010387
Jurisdiction: State
Case ID: RO0000323
Abated: Yes
Assigned To: RS
Entered Date: 05/11/2004
Abated Date: 05/01/1991

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146 East 1/4-1/2 0.497 mi. 2624 ft. | **ARCO POWER GAS STATION** | **LUST** | **S102424375**
11748 OLYMPIC BLVD | **ENF** | **N/A**
LOS ANGELES, CA 90064 | **HIST CORTESE**

Relative: Higher
Actual: 163 ft.

LUST:
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701167
Global Id: T0603701167
Latitude: 34.0333921
Longitude: -118.4490156
Status: Completed - Case Closed
Status Date: 08/05/2009
Case Worker: DMB
RB Case Number: 900640071
Local Agency: LOS ANGELES, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603701167
Contact Type: Regional Board Caseworker
Contact Name: DAVID M. BJOSTAD
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4th Street, Suite 200
City: Los Angeles
Email: dave.bjostad@waterboards.ca.gov
Phone Number: Not reported

ARCO POWER GAS STATION (Continued) **S102424375**

Global Id:	T0603701167
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

LUST:

Global Id:	T0603701167
Action Type:	ENFORCEMENT
Date:	04/10/2008
Action:	Staff Letter
Global Id:	T0603701167
Action Type:	RESPONSE
Date:	10/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701167
Action Type:	ENFORCEMENT
Date:	02/04/2005
Action:	Staff Letter
Global Id:	T0603701167
Action Type:	ENFORCEMENT
Date:	07/23/2002
Action:	Staff Letter
Global Id:	T0603701167
Action Type:	RESPONSE
Date:	04/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701167
Action Type:	RESPONSE
Date:	01/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701167
Action Type:	RESPONSE
Date:	10/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701167
Action Type:	ENFORCEMENT
Date:	01/23/2009
Action:	Site Visit / Inspection / Sampling
Global Id:	T0603701167
Action Type:	ENFORCEMENT
Date:	08/05/2009
Action:	Closure/No Further Action Letter
Global Id:	T0603701167
Action Type:	ENFORCEMENT

ARCO POWER GAS STATION (Continued) **S102424375**

Date: 07/20/2009
Action: Staff Letter

Global Id: T0603701167
Action Type: REMEDIATION
Date: 04/20/2006
Action: Soil Vapor Extraction (SVE)

Global Id: T0603701167
Action Type: REMEDIATION
Date: 03/21/2003
Action: Free Product Removal

Global Id: T0603701167
Action Type: ENFORCEMENT
Date: 10/08/2000
Action: Staff Letter

Global Id: T0603701167
Action Type: ENFORCEMENT
Date: 03/15/2001
Action: Staff Letter

Global Id: T0603701167
Action Type: Other
Date: 06/01/1995
Action: Leak Stopped

Global Id: T0603701167
Action Type: RESPONSE
Date: 03/19/2007
Action: Soil and Water Investigation Workplan

Global Id: T0603701167
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: ENFORCEMENT
Date: 09/14/2007
Action: Staff Letter

Global Id: T0603701167
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: RESPONSE
Date: 01/15/2009
Action: Soil and Water Investigation Report

Global Id: T0603701167
Action Type: RESPONSE
Date: 09/03/2002
Action: Corrective Action Plan / Remedial Action Plan

ARCO POWER GAS STATION (Continued) **S102424375**

Global Id: T0603701167
Action Type: RESPONSE
Date: 10/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: Other
Date: 06/01/1995
Action: Leak Discovery

Global Id: T0603701167
Action Type: REMEDIATION
Date: 09/08/2006
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0603701167
Action Type: ENFORCEMENT
Date: 10/28/2002
Action: Staff Letter

Global Id: T0603701167
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: RESPONSE
Date: 05/02/2005
Action: Soil and Water Investigation Report

Global Id: T0603701167
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: RESPONSE

ARCO POWER GAS STATION (Continued) **S102424375**

Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: RESPONSE
Date: 09/03/2008
Action: Request for Closure

Global Id: T0603701167
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: RESPONSE
Date: 04/01/2009
Action: Request for Closure

Global Id: T0603701167
Action Type: ENFORCEMENT
Date: 05/18/2007
Action: Staff Letter

Global Id: T0603701167
Action Type: ENFORCEMENT
Date: 08/09/2007
Action: Site Visit / Inspection / Sampling

ARCO POWER GAS STATION (Continued) **S102424375**

Global Id: T0603701167
Action Type: RESPONSE
Date: 07/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: RESPONSE
Date: 04/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: RESPONSE
Date: 08/15/2007
Action: Remedial Progress Report

Global Id: T0603701167
Action Type: RESPONSE
Date: 07/16/2007
Action: Request for Closure

Global Id: T0603701167
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: ENFORCEMENT
Date: 11/03/2008
Action: Staff Letter

Global Id: T0603701167
Action Type: Other
Date: 06/01/1995
Action: Leak Reported

Global Id: T0603701167
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701167
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

LUST:
Global Id: T0603701167

ARCO POWER GAS STATION (Continued) **S102424375**

Status: Open - Case Begin Date
Status Date: 06/01/1995

Global Id: T0603701167
Status: Open - Site Assessment
Status Date: 03/08/1996

Global Id: T0603701167
Status: Open - Site Assessment
Status Date: 05/07/1998

Global Id: T0603701167
Status: Open - Remediation
Status Date: 10/06/2000

Global Id: T0603701167
Status: Open - Remediation
Status Date: 03/21/2003

Global Id: T0603701167
Status: Open - Remediation
Status Date: 04/20/2006

Global Id: T0603701167
Status: Open - Site Assessment
Status Date: 03/19/2007

Global Id: T0603701167
Status: Open - Verification Monitoring
Status Date: 05/03/2007

Global Id: T0603701167
Status: Open - Remediation
Status Date: 07/16/2007

Global Id: T0603701167
Status: Open - Verification Monitoring
Status Date: 11/08/2007

Global Id: T0603701167
Status: Completed - Case Closed
Status Date: 08/05/2009

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900640071
Status: Remediation Plan
Substance: Hydrocarbons
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701167
W Global ID: Not reported

ARCO POWER GAS STATION (Continued) **S102424375**

Staff:	TCS	
Local Agency:	19050	
Cross Street:	STONER AVE	
Enforcement Type:	SEL	
Date Leak Discovered:	6/1/1995	
Date Leak First Reported:		6/1/1995
Date Leak Record Entered:	4/17/1996	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	6/1/1995	
Date Case Last Changed on Database:		8/30/2002
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Piping	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		3467.4784855075088179812960082
Source of Cleanup Funding:		Piping
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		3/8/1996
Pollution Characterization Began:		5/7/1998
Remediation Plan Submitted:		10/6/2000
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		3/15/2001
Historical Max MTBE Date:		11/20/2000
Hist Max MTBE Conc in Groundwater:		31100
Hist Max MTBE Conc in Soil:		.57
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	FRED HANCZ	
RP Address:	250 EL CAMINO REAL. STE. #204	
Program:	LUST	
Lat/Long:	34.0333921 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	(FREE PRODUCT IN MW-1) ; 6/26/00 RPT OF ADDL SITE INVESTIGATION; 9/25/00 3RD QTR GW MON RPT 2000; 10/6/00 INTERIM RAP AND WORKPLAN FOR ADDT'L SITE INVESTIGATION; 12/28/00 4TH QTR GW MON RPT 2000; 3/27/01 FP REMOVAL STATUS R	

ENF:

Region:	4
Facility Id:	206229
Agency Name:	ARCO Power Gas
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Not reported

ARCO POWER GAS STATION (Continued) **S102424375**

Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.033546
Place Longitude:	-118.449037
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:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	900640071
Reg Measure Id:	167356
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

ARCO POWER GAS STATION (Continued) **S102424375**

Enforcement Id(EID):	230057
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	04/05/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	2000-06-28
Termination Date:	04/05/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 900640071
Description:	Notice of Violation sent 4/5/00 for FTS technical report.
Program:	UST
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:	206229
Agency Name:	ARCO Power Gas
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Not reported
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.033546
Place Longitude:	-118.449037
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:	UST

ARCO POWER GAS STATION (Continued) **S102424375**

Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	900640071
Reg Measure Id:	167356
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):	229584
Region:	4
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	01/21/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	2000-06-28
Termination Date:	01/21/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 900640071
Description:	Level 1 enforcement letter sent 1/21/00 for FTS technical report & landowner information.
Program:	UST
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:	206229

ARCO POWER GAS STATION (Continued) **S102424375**

Agency Name:	ARCO Power Gas
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Not reported
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.033546
Place Longitude:	-118.449037
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:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	900640071
Reg Measure Id:	167356
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

ARCO POWER GAS STATION (Continued) **S102424375**

Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	228017
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	10/05/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	2000-10-13
Termination Date:	10/05/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 900640071
Description:	Notice of Violation sent 10/5/00 for overdue workplan & interim RAP.
Program:	UST
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:	900640071

147
WSW
1/2-1
0.513 mi.
2709 ft.

Relative:
Lower

Actual:
158 ft.

SANFORD / PAPER MATE
1681 26TH STREET
SANTA MONICA, CA 90404

ENVIROSTOR **1000216144**
CPS-SLIC **N/A**
FINDS
ECHO
ENF
HIST CORTESE

ENVIROSTOR:

Facility ID:	19390024
Status:	Refer: Other Agency
Status Date:	06/06/1995
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:	50

SANFORD / PAPER MATE (Continued) **1000216144**

Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.02913
Longitude: -118.4681
APN: 4268001040
Past Use: NONE SPECIFIED
Potential COC: * HALOGENATED SOLVENTS * OXYGENATED SOLVENTS * CONTAMINATED SOIL * TANK BOTTOM WASTES * UNSPECIFIED ACID SOLUTION * UNSPECIFIED SOLVENT MIXTURES * WASTE OIL & MIXED OIL Nickel
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CITY OF SANTA MONICA SOLID WASTE LDFL
Alias Type: Alternate Name
Alias Name: GILETTE COMPANY - PAPERMATE DIVISION
Alias Type: Alternate Name
Alias Name: HIGGINS BRICK COMPANY
Alias Type: Alternate Name
Alias Name: PAPERMATE DIVISION OF GILETTE
Alias Type: Alternate Name
Alias Name: 4268001040
Alias Type: APN
Alias Name: CAD054861539
Alias Type: EPA Identification Number
Alias Name: 110000475049
Alias Type: EPA (FRS #)
Alias Name: CAD054861539
Alias Type: HWTS Identification Code
Alias Name: 19390024
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/01/1982
Comments: FACILITY IDENTIFIED LA CHAM COMM DIR 1963-64. MANUFACTURE PENS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 07/28/1994
Comments: U.S. EPA completed a Site Inspection Prioritization and recommended a HRS evaluation. Papermate currently working with the City of Santa Monica to implement remediation of soil contamination. The site consists of approximately 10 acres which includes four buildings. Building I is used for metal fabrication, assembly, and jparts molding processes. Building II is used for packaging, ink formulation, and additional product assembly. Building II is used for warehousing and packaging and Building IV is used for storage of machine parts and furniture. The site is entirely covered by buildings or pavement and completely fenced. In 1985 in response to the City of Santa Monica's require- ments RP tested the pressure of 18 USTs and excavated and removed VOC contaminated soil from the site. In Feb 1992 metal contaminated soil beneath the plating room floor of Building I was excavated and removed. In June 1993, six USTs

SANFORD / PAPER MATE (Continued) **1000216144**

were removed from the vicinity of Building I and soil contaminated with TPH was excavated and removed from the site. In August 1993 RP removed four USTs containing haz substances in the vicinity of Building II. Post removal soil samples indicated the presence of 1,2-dichloroethane 57 ug/kg, 1,1-dichloroethane 180 ug/kg, 1,1,1-trichloro- ethane 450 ug/kg, tetrachloroethene 100 ug/kg, trichloro- ethene 30 ug/kg, and 1,1-dichloroethene 440 ug/kg. The City of Santa Monica is currently working with Papermate to implement a remediation technique for the VOC contamin- ated soil in the vicinity of Building II.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/12/1990
Comments: SITE SCREENING DONE EPA COMPLETED LISTING SITE INSPECTION & WILL LIST SITE; EPA LEAD.

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 DO AN HRS PACKET TO DETERMINE THE RELATIVE THREAT TO HUMAN HEALTH AND THE ENVIRONMENT.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/20/1987
Comments: SITE SCREENING DONE UPDATE STATUS DUE TO CONTMN HISTORY

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Site Inspection (SI) Report
Completed Date: 12/04/1986
Comments: SITE INSP DONE E&E RECOMMENDS A LISTING SITE INSPECTION UNDER CERCLA

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:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 12/02/1998
Global Id: SL2041P1514
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.029636
Longitude: -118.469442
Case Type: Cleanup Program Site

SANFORD / PAPER MATE (Continued) **1000216144**

Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0130E1
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:

Region:	STATE
Facility Status:	**Open - Remediation**
Status Date:	03/22/2010
Global Id:	SL2043C1560
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.0287621794645
Longitude:	-118.468601703644
Case Type:	Cleanup Program Site
Case Worker:	RL
Local Agency:	Not reported
RB Case Number:	0130E2
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply, Indoor Air, Soil, Soil Vapor, Well used for drinking water supply
Potential Contaminants of Concern:	1,4-Dioxane, Other Chlorinated Hydrocarbons, Other Solvent or Non-Petroleum Hydrocarbon, Tetrachloroethylene (PCE), Trichloroethylene (TCE), Perchlorate
Site History:	Since the third quarter of 2011, all groundwater monitoring reports for the Gillette site and vicinity can be found at the City of Santa Monica Corporation Yard case on Geotracker (a closed Water Board Case) - The City of Santa Monica Corporation Yard Geotracker Global ID is T0603799303. Through a Settlement Agreement the City of Santa Monica has legal responsibility for control and remediation of all contamination, originating from the Gillette site, now present in the B zone and C zone aquifers. As of the third quarter 2011, all required B, C, and deeper-zone groundwater monitoring activities for Gillettes Paper Mate facilities and the City of Santa Monicas Corporation Yard are conducted and reported by the City of Santa Monica. The City is required to monitor selected monitoring wells on the Gillette property as part of this groundwater monitoring program. The City of Santa Monicas quarterly monitoring reports will serve to replace the monitoring reports previously submitted separately by Gillette and the City of Santa Monica. Gillette Corporation (Gillette) is currently conducting shallow zone groundwater remediation at the Gillette site under specific requirements of a modified CAO. The former Paper Mate facility (Site) is located on 10.5 acres of land immediately north of Olympic Blvd. between Stewart Street on the east and 26th Street to the west, in Santa Monica. This area is designated as an Industrial Corridor by the City of Santa Monica. There are four main buildings (Building I through IV) covering approximately 295,000 square feet. The buildings are on two adjacent properties. The northern property is currently owned by the Higgins Trusts (Higgins) and the southern property is currently owned by Hines 26th Street LLC (Hines). Buildings I, III, and IV are on the Hines property and Building II is on the Higgins property. Prior to 2007, the Hines property was owned by the Stahl Trust (Stahl).

SANFORD / PAPER MATE (Continued) **1000216144**

PaperMate began operations at the Site in 1957, when they leased Building I from Stahl. In 1968, Building II was leased from Higgins. This was followed, in 1972, with the leasing of Building III from Stahl and, in 1982, with the leasing of Building IV from Stahl. Operations ended in 2006. Prior to the mid-1950s, the area near the site was used for clay quarrying and brick firing. After the clay quarries were depleted they were used as landfills by the Cities of Santa Monica and Beverly Hills. No records describing the material deposited in the landfill have been provided to the Regional Board. Regional Board staff believe, because these were city landfills, that the predominant material deposited in the landfills is local household and industrial solid waste. VOCs have been detected in the subsurface soil, soil vapor, and groundwater underlying the Gillette Site. In addition, VOCs have been detected in groundwater beneath Olympic Blvd., immediately south of the site. In 1957, Paper Mate began manufacturing operations in Building I. Operations included machining, electroplating, metal processing, degreasing, injection molding, and ink manufacturing. Hazardous materials and hazardous waste were also stored in and adjacent to Building I. Wastewater was generated, treated and discharged to the sanitary sewer. Numerous underground and above ground tanks were used at Building I. Manufacturing operations began in Building II in 1968. Operations included extrusion of plastic pen parts, sintering and grinding, ink manufacturing, product assembly, nickel plating, and plant maintenance. Building III was first occupied by PaperMate in 1972. It was used for packaging, warehousing, and shipping products. In 1994, manufacturing began in Building III. Building III manufacturing included extrusion, molding, and assembly. Facility maintenance also occurred in the building. Chemicals used included hydraulic oil, lubricants, grease, fluid coolant, antifreeze, adhesives, primers, paints, cutting fluids. Hazardous materials were stored in designated areas within Building III. There were no ASTs or USTs near Building III. Industrial wastewater was not produced at Building III. Building IV was first occupied by Gillette in 1982. It was used for general storage and product storage. In 2002, operations ceased in Building II and equipment maintenance moved to Building IV. Maintenance involved rinsing processing equipment brought from other parts of the building. The equipment was rinsed with water, glycols, and n-propanol. The rinse liquid was handled as industrial wastewater. The hazardous materials noted above were stored in designated areas within Building IV. There were no ASTs or USTs near Building IV. Industrial wastewater was not produced at Building IV. Assessment activities have taken place intermittently since 1986. In Situ Thermal Treatment was used to remove VOCs from soil and shallow groundwater from December 2009 to December 2011. Focused soil excavation was conducted before and after the In Situ Thermal Treatment , to remove soil with more elevated VOC concentrations. Site contamination and the proximity of the Site to City of Santa Monica domestic water supply wells are the primary conditions requiring assessment and remediation. Site contamination includes PCE and TCE in shallow groundwater beneath the Site at concentrations as high as 21,000 a%g/L and 1,400 a%g/L, respectively. Deep groundwater beneath the Site is contaminated with TCE at concentrations as high as 979 a%g/L. There are significant sources of PCE and TCE in Site soil as indicated by detections of PCE and TCE in soil vapor at concentrations as high as 28,000 a%g/L and 4,904 a%g/L, respectively, and in soil at concentrations as high as 2,500,000 a%g/kg and 170

SANFORD / PAPER MATE (Continued) **1000216144**

a%g/kg, respectively. There are three City of Santa Monica water supply wells near the site. Well SM-7 (not operating) is immediately south of the east end of the Site, well SM-4 is approximately 750 feet east of the Site, and well SM-3 is approximately 1600 feet east of the Site. Volatile organic compounds including PCE and TCE have been detected in the City of Santa Monica water supply wells.

Click here to access the California GeoTracker records for this facility:

FINDS:

Registry ID: 110000475049

Environmental Interest/Information System

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

HAZARDOUS AIR POLLUTANT MAJOR

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

SUPERFUND (NON-NPL)

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000216144
Registry ID:	110000475049
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110000475049

ENF:

Region:	4
Facility Id:	228825
Agency Name:	Not reported
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	34.029060
Place Longitude:	-118.469893
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported

SANFORD / PAPER MATE (Continued) **1000216144**

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:	Enf Action
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:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
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:	Not reported
Status Date:	Not reported
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:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	362017
Region:	4
Order / Resolution Number:	R4-2008-0034
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	07/25/2008
Adoption/Issuance Date:	07/25/2008
Achieve Date:	Not reported
Termination Date:	07/25/2008

SANFORD / PAPER MATE (Continued) **1000216144**

ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	CAO R4-2008-0034 issued 7/25/08 to assess & clean up contamination at site.
Description:	CAO R4-2008-0034 issued 7/25/08 to assess & clean up contamination at site.
Program:	SLIC
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:	2966

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148 SW 1/2-1 0.537 mi. 2835 ft. **SANTA MONICA HOUSING PROJECT** **ENVIROSTOR** **S107737279 N/A**

SANTA MAONICA, CA

Relative: Lower

Actual: 155 ft.

ENVIROSTOR:

Facility ID:	80001138
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:	50
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	34.02666
Longitude:	-118.4666
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED

SANTA MONICA HOUSING PROJECT (Continued) **S107737279**

Alias Name:	Santa Monica Housing Project
Alias Type:	Alternate Name
Alias Name:	CA99799FA46700
Alias Type:	Federal Facility ID
Alias Name:	J09CA7440
Alias Type:	INPR
Alias Name:	80001138
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

149
North
1/2-1
0.562 mi.
2966 ft.

WESTSIDE YMCA
1452 SOUTH WESTGATE AVENUE
LOS ANGELES, CA 90025

ENVIROSTOR **S118757295**
VCP **N/A**

Relative:
Higher

Actual:
204 ft.

ENVIROSTOR:

Facility ID:	60002201
Status:	Inactive - Action Required
Status Date:	02/26/2018
Site Code:	401721
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	1.45
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Hossein Nassiri
Supervisor:	Emad Yemut
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	, 57
Senate:	, 26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.04328
Longitude:	-118.4598
APN:	4262-004-904, 4263-022-901
Past Use:	UNKNOWN
Potential COC:	Trichloroethylene (TCE
Confirmed COC:	Trichloroethylene (TCE

WESTSIDE YMCA (Continued) **S118757295**

Potential Description: SOIL, SV
Alias Name: 4262-004-904
Alias Type: APN
Alias Name: 4263-022-901
Alias Type: APN
Alias Name: 401721
Alias Type: Project Code (Site Code)
Alias Name: 60002201
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: 06/13/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/29/2016
Comments: PEA Report is due to be completed for additional characterization and assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 02/26/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 08/04/2016
Comments: Post HARP Form

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/01/2016
Comments: Pre-HARP form.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/19/2016
Comments: FY 1617 Annual Oversight Cost Estimate completed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/06/2017
Comments: Notification to Respondent regarding change in assigned project manager.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)

WESTSIDE YMCA (Continued) **S118757295**

Completed Date: 11/15/2016
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: 60002201
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.45
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Hossein Nassiri
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 401721
Assembly: , 57
Senate: , 26
Special Programs Code: Voluntary Cleanup Program
Status: Inactive - Action Required
Status Date: 02/26/2018
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.04328 / -118.4598
APN: 4262-004-904, 4263-022-901
Past Use: UNKNOWN
Potential COC: 30027
Confirmed COC: 30027
Potential Description: SOIL, SV
Alias Name: 4262-004-904
Alias Type: APN
Alias Name: 4263-022-901
Alias Type: APN
Alias Name: 401721
Alias Type: Project Code (Site Code)
Alias Name: 60002201
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: 06/13/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE

WESTSIDE YMCA (Continued) **S118757295**

Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/29/2016
Comments: PEA Report is due to be completed for additional characterization and assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 02/26/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 08/04/2016
Comments: Post HARP Form

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/01/2016
Comments: Pre-HARP form.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/19/2016
Comments: FY 1617 Annual Oversight Cost Estimate completed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/06/2017
Comments: Notification to Respondent regarding change in assigned project manager.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/15/2016
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

150 East 1/2-1 0.665 mi. 3512 ft. **Relative: Higher** **Actual: 170 ft.**	**BARRY AVENUE PLATING COMPANY 2210 BARRY AVE. LOS ANGELES, CA 90064**	**RCRA-LQG ENVIROSTOR UST VCP SWEEPS UST HIST UST CA FID UST DEED US AIRS FINDS ECHO EMI WDS**	**1000372040 CAD009688185**

RCRA-LQG:

Date form received by agency:	03/02/2016
Facility name:	BARRY AVENUE PLATING COMPANY
Facility address:	2210 BARRY AVENUE LOS ANGELES, CA 90064
EPA ID:	CAD009688185
Mailing address:	BARRY AVENUE LOS ANGELES, CA 90064
Contact:	MARICAR R JABALLAS-MARIN
Contact address:	BARRY AVENUE LOS ANGELES, CA 90064
Contact country:	US
Contact telephone:	310-478-0078
Telephone ext.:	233
Contact email:	MARY@BARRYAVENUEPLATING.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:	BARRY AVENUE PLATING, INC
Owner/operator address:	BARRY AVENUE LOS ANGELES, CA 90064
Owner/operator country:	US
Owner/operator telephone:	310-478-0078
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:	06/28/1960
Owner/Op end date:	Not reported

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Owner/operator name:	BARRY AVENUE PLATING, INC
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:	06/28/1960
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	Yes
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: 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: 132
. Waste name: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 171
. Waste name: Metal sludge (see 121)

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 711
. Waste name: Liquids with cyanides > 1000 mg/l

. Waste code: 722
. Waste name: Liquids with cadmium > 100 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: 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.

. 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.

. 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.

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

. 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 LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. 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.

. 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.

. 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 WHERE CYANIDES ARE USED IN THE PROCESS.

Historical Generators:
Date form received by agency: 03/01/2014
Site name: BARRY AVENUE PLATING CO

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Classification: Large Quantity Generator

. 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.

. 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.

. 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.

. 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 LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. 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

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

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.

. 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.

. 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

Date form received by agency: 02/23/2010
Site name: BARRY AVENUE PLATING COMPANY
Classification: Large Quantity Generator

. 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.

. 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.

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

. Waste code: D008
. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. 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.

. 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.

. 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 WHERE CYANIDES ARE USED IN THE PROCESS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Date form received by agency: 02/28/2008
Site name: BARRY AVENUE PLATING
Classification: Large Quantity Generator

. 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

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

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.

. 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.

. 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.

. 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: 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.

. 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.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Date form received by agency: 03/01/2006
Site name: BARRY AVENUE PLATING COMPANY
Classification: Large Quantity Generator

. 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: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 411
. Waste name: Alum and gypsum sludge

. Waste code: 461
. Waste name: Degreasing sludge

. 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.

. 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.

. 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.

. Waste code: D004

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

. Waste name: ARSENIC

. 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: 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 LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. 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.

. 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: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Date form received by agency: 03/01/2006
Site name: BARRY AVENUE PLATING COMPANY
Classification: Small Quantity Generator

Date form received by agency: 09/01/1996
Site name: BARRY AVE PLATING CO INC
Classification: Small Quantity Generator

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Date form received by agency: 01/26/1996
Site name: BARRY AVENUE PLATING CO., INC.
Classification: Large Quantity Generator

Date form received by agency: 03/09/1994
Site name: BARRY AVE PLATING CO INC
Classification: Large Quantity Generator

Date form received by agency: 01/30/1992
Site name: BARRY AVE PLATING CO INC
Classification: Large Quantity Generator

Date form received by agency: 08/08/1980
Site name: BARRY AVE PLATING CO INC
Classification: Large Quantity Generator

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): 8990

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): 28294

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): 30

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 9492

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 17174

Waste code: D011

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Waste name: SILVER
Amount (Lbs): 1557

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 5243

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): 8

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): 8320

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): 4320

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): 4335

Waste code: F007
Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
Amount (Lbs): 1100

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	Generators - Pre-transport
Date violation determined:	09/11/2013
Date achieved compliance:	10/11/2013
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	09/11/2013
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 - Records/Reporting
Date violation determined:	09/11/2013
Date achieved compliance:	10/11/2013
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	09/11/2013
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 - 262.30-34.C
Area of violation:	Generators - General
Date violation determined:	11/30/1998
Date achieved compliance:	12/22/1998
Violation lead agency:	EPA
Enforcement action:	Not reported
Enforcement action date:	12/22/1998
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	F - 262.30-34.C
Area of violation:	Generators - General
Date violation determined:	11/30/1998
Date achieved compliance:	12/22/1998
Violation lead agency:	EPA
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	01/06/1999
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Regulation violated: S - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 11/30/1998
Date achieved compliance: 02/02/1999
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 12/22/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: S - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 11/30/1998
Date achieved compliance: 02/02/1999
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/06/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 09/13/2016
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/30/2014
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 09/11/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 10/11/2013
Evaluation lead agency: State

Evaluation date: 09/11/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/11/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 10/11/2013

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Evaluation lead agency: State

Evaluation date: 11/30/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/02/1999
Evaluation lead agency: EPA

Evaluation date: 11/30/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/22/1998
Evaluation lead agency: EPA

ENVIROSTOR:
Facility ID: 71002319
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: 53
Senate: 24
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.05223
Longitude: -118.2436
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD009688185
Alias Type: EPA Identification Number
Alias Name: 110000474175
Alias Type: EPA (FRS #)
Alias Name: 71002319
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/19/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

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: 60000437
Status: Active
Status Date: 04/15/2015
Site Code: 301299
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 3
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Don Indermill
Supervisor: Philip Chandler
Division Branch: Cleanup Chatsworth
Assembly: 50
Senate: 26
Special Program: Voluntary Cleanup Program
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.03461
Longitude: -118.4464
APN: 4260014004, 4260014005, 4260014006, 4260014008, 4260014032, 4260014033, 4260014034
Past Use: AGRICULTURAL - ROW CROPS, METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER, MANUFACTURING - METAL, METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER, AGRICULTURAL - ROW CROPS, MANUFACTURING - METAL, METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER, MANUFACTURING - METAL, METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER
Potential COC: Arsenic Total Chromium (1:6 ratio Cr VI:Cr III Lead Tetrachloroethylene (PCE Trichloroethylene (TCE Chromium III Chromium VI Arsenic Lead Tetrachloroethylene (PCE Trichloroethylene (TCE Chromium III Chromium VI Tetrachloroethylene (PCE Trichloroethylene (TCE Chromium III Chromium VI Tetrachloroethylene (PCE Trichloroethylene (TCE Chromium III Chromium VI
Confirmed COC: Arsenic Lead Total Chromium (1:6 ratio Cr VI:Cr III Tetrachloroethylene (PCE Chromium III Chromium VI Trichloroethylene (TCE Tetrachloroethylene (PCE Chromium III Chromium VI Trichloroethylene (TCE
Potential Description: AQUI, IA, OTH, SOIL, SV, AQUI, OTH, IA, SOIL, SV, IA, SOIL, SV
Alias Name: 4260014004
Alias Type: APN
Alias Name: 4260014005
Alias Type: APN
Alias Name: 4260014006
Alias Type: APN
Alias Name: 4260014008
Alias Type: APN
Alias Name: 4260014032
Alias Type: APN

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Alias Name: 4260014033
Alias Type: APN
Alias Name: 4260014034
Alias Type: APN
Alias Name: 110000474175
Alias Type: EPA (FRS #)
Alias Name: 301299
Alias Type: Project Code (Site Code)
Alias Name: 60000437
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: 10/11/2013
Comments: Not reported

Completed Area Name: Barry Avenue Plating Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 05/09/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 01/16/2008
Comments: NOE completed and signed off by Branch Chief

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/22/2008
Comments: Letter sent to BAP counsel Patterson, 7/22/2008, DTSC letter to Barry Avenue Plating counsel concurring with timing of placement of vapor monitoring probe URS-05 and monitoring well URS-15 re: Notice of Failure to Perform in Full the Terms of the Stipulated Final Judgement and Order dated and entered December 15, 2004

Completed Area Name: Oly-Fed Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/24/2014
Comments: Oly-Fed soil OU remediation certified complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 08/31/2006
Comments: Not reported

Completed Area Name: Barry Avenue Plating Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/24/2014
Comments: Barry Avenue Plating soil OU remediation certified complete

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 01/02/2008
Comments: DTSC Final Fact Sheet was completed 1-02-2008. There will be no RP Final, or DTSC approval since DTSC prepared the final version.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 03/14/2007
Comments: Pilot Test Workplan approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/04/2008
Comments: Removal Action Workplan for remediation of Volatile Organic Compounds and Hexavalent Chromium approved.

Completed Area Name: Oly-Fed Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/23/2011
Comments: DTSC has concluded that the Removal Action Completion Report for the Oly-Fed OU, and the RACR Addendum adequately demonstrate that remediation of the Oly-Fed OU has been achieved as planned in the RAW. The RACR is approved. DTSC requests that the RACR Addendum be revised and resubmitted to address some relatively minor discrepancies to complete the administrative record.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/04/2008
Comments: First Quarter 2007 Groundwater Monitoring Report Accepted and Approved Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/27/2007
Comments: SVE Unit Delivered and operating

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/02/2007
Comments: Quarterly Groundwater Sampling event completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 08/19/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 04/17/2008
Comments: Declaration finalized and sent to court

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 05/29/2008
Comments: Emails requested were transferred from Groupwise and placed on a compact disc and given to the requestor.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/09/2009
Comments: URS response to DTSC comments was adequate, and URS agreed to address requested changes in future quarterly reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/09/2009
Comments: URS response was adequate, and as DTSC requested, URS agreed to address comments in future quarterly reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 03/25/2009
Comments: The original letter raised questions that are resolved by the 4th Quarter 2008 GW Monitoring and Remedial Progress Report, and DTSC's comments and requested revisions. Therefore, no separate DTSC response has been developed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/19/2009
Comments: Issues related to background arsenic concentrations, shutdown of the SVE system, and remaining residual COCs will be addressed as separate tasks.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/30/2009
Comments: DTSC approves the GW Monitoring report and outstanding comments and issues will be addressed in subsequent monitoring reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/09/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/09/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/19/2010
Comments: This was a GW sampling event and was apparently completed on 12/16/2009. The GW monitoring report is pending.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2010
Comments: The 4th Quarter 2009 report was approved with comments in a comment letter on the 1st quarter 2010 report. The 1st quarter 2010 report is required to be revised and resubmitted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/20/2010
Comments: Field work completed approx. 4/01/2010, preliminary data submitted 4/20/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/15/2012
Comments: DTSC is not requiring revision of the subject report at present as the subsequent monitoring report has been issued, and as the RACR has been submitted and is under review, and any issues related to the monitoring and remediation program will be handled under the RACR.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/26/2010
Comments: This is a fieldwork exercise that was completed 8/26/2010. No deliverables were submitted, and no DTSC letter was prepared.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2010
Comments: RP consultant responses to DTSC comments were not entirely adequate, however, staff availability and deadlines on higher priority tasks on this and other projects precluded DTSC follow up, so this task is being completed and the issues will be addressed in DTSC's response to the BAP OU RACR, being reviewed beginning January 2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 02/23/2010

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 02/11/2010
Comments: Various proposals and modified proposals were submitted, discussed and evaluated thoroughly. DTSC approves the well decommissioning as indicated in the attached letter dated 2/10/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/22/2010
Comments: This was a field activity only, and will be documented in the 1st quarter 2010 groundwater monitoring and remedial progress report, it will not result in a separate document being developed by the consultant, or review and approval by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/20/2012
Comments: Revision of the subject report is not required at present because the subsequent report has been submitted and the RACR has been submitted and is currently under review. Any changes or issues identified with the monitoring or remediation programs will be handled as a result of the RACR.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/19/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/15/2012
Comments: DTSC is not requiring revisions to the submitted report at this time since the RACR is currently under review. Necessary modifications to the remediation and monitoring program will be made through the comments on and revisions to the RACR.

Completed Area Name: Oly-Fed Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/27/2011
Comments: DTSC geologist conducted oversight of well and SVE piping and appurtenances abandonment activities and concluded all abandonment activities were conducted consistent with relevant guidance and the RAW.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/15/2013

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Comments: Approved without revision in the context of comments made on the draft RACR.

Completed Area Name: Barry Avenue Plating Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/28/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/05/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/21/2013
Comments: Not reported

Completed Area Name: Barry Avenue Plating Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/12/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/02/2012
Comments: As this is fieldwork, no DTSC 'Final Letter' is called for. The results of sampling and other activities will be reported in the Semi-annual Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 12/13/2012
Comments: DTSC approved the Supplemental Sampling Workplan with modifications.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/30/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/25/2014
Comments: Not reported

Future Area Name: Barry Avenue Plating Groundwater OU
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2018

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Future Area Name:	Barry Avenue Plating Groundwater OU
Future Sub Area Name:	Not reported
Future Document Type:	Removal Action Completion Report
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

UST:

Facility ID:	23574
Permitting Agency:	LOS ANGELES, CITY OF
Latitude:	34.036015
Longitude:	-118.445011

VCP:

Facility ID:	60000437
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	3
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Don Indermill
Supervisor:	Philip Chandler
Division Branch:	Cleanup Chatsworth
Site Code:	301299
Assembly:	50
Senate:	26
Special Programs Code:	Voluntary Cleanup Program
Status:	Active
Status Date:	04/15/2015
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	34.03461 / -118.4464
APN:	4260014004, 4260014005, 4260014006, 4260014008, 4260014032, 4260014033, 4260014034
Past Use:	AGRICULTURAL - ROW CROPS, METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER, MANUFACTURING - METAL, METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER, AGRICULTURAL - ROW CROPS, MANUFACTURING - METAL, METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER, MANUFACTURING - METAL, METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER
Potential COC:	30001, 30005, 30013, 30022, 30027, 30152, 30153, 30001, 30013, 30022, 30027, 30152, 30153, 30022, 30027, 30152, 30153, 30022, 30027, 30152, 30153
Confirmed COC:	30001,30013,30005,30022,30152,30153,30027,, ,30022,30152,30153,30027
Potential Description:	AQUI, IA, OTH, SOIL, SV, AQUI, OTH, IA, SOIL, SV, IA, SOIL, SV
Alias Name:	4260014004
Alias Type:	APN
Alias Name:	4260014005
Alias Type:	APN
Alias Name:	4260014006

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Alias Type: APN
Alias Name: 4260014008
Alias Type: APN
Alias Name: 4260014032
Alias Type: APN
Alias Name: 4260014033
Alias Type: APN
Alias Name: 4260014034
Alias Type: APN
Alias Name: 110000474175
Alias Type: EPA (FRS #)
Alias Name: 301299
Alias Type: Project Code (Site Code)
Alias Name: 60000437
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: 10/11/2013
Comments: Not reported

Completed Area Name: Barry Avenue Plating Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 05/09/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 01/16/2008
Comments: NOE completed and signed off by Branch Chief

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/22/2008
Comments: Letter sent to BAP counsel Patterson, 7/22/2008, DTSC letter to Barry Avenue Plating counsel concurring with timing of placement of vapor monitoring probe URS-05 and monitoring well URS-15 re: Notice of Failure to Perform in Full the Terms of the Stipulated Final Judgement and Order dated and entered December 15, 2004

Completed Area Name: Oly-Fed Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/24/2014
Comments: Oly-Fed soil OU remediation certified complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 08/31/2006
Comments: Not reported

Completed Area Name: Barry Avenue Plating Soil OU

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/24/2014
Comments: Barry Avenue Plating soil OU remediation certified complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 01/02/2008
Comments: DTSC Final Fact Sheet was completed 1-02-2008. There will be no RP Final, or DTSC approval since DTSC prepared the final version.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 03/14/2007
Comments: Pilot Test Workplan approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/04/2008
Comments: Removal Action Workplan for remediation of Volatile Organic Compounds and Hexavalent Chromium approved.

Completed Area Name: Oly-Fed Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/23/2011
Comments: DTSC has concluded that the Removal Action Completion Report for the Oly-Fed OU, and the RACR Addendum adequately demonstrate that remediation of the Oly-Fed OU has been achieved as planned in the RAW. The RACR is approved. DTSC requests that the RACR Addendum be revised and resubmitted to address some relatively minor discrepancies to complete the administrative record.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/04/2008
Comments: First Quarter 2007 Groundwater Monitoring Report Accepted and Approved Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/27/2007
Comments: SVE Unit Delivered and operating

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/02/2007
Comments: Quarterly Groundwater Sampling event completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Completed Document Type: Pilot/Treatability Study Report
Completed Date: 08/19/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 04/17/2008
Comments: Declaration finalized and sent to court

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 05/29/2008
Comments: Emails requested were transferred from Groupwise and placed on a compact disc and given to the requestor.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/09/2009
Comments: URS response to DTSC comments was adequate, and URS agreed to address requested changes in future quarterly reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/09/2009
Comments: URS response was adequate, and as DTSC requested, URS agreed to address comments in future quarterly reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 03/25/2009
Comments: The original letter raised questions that are resolved by the 4th Quarter 2008 GW Monitoring and Remedial Progress Report, and DTSC's comments and requested revisions. Therefore, no separate DTSC response has been developed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/19/2009
Comments: Issues related to background arsenic concentrations, shutdown of the SVE system, and remaining residual COCs will be addressed as separate tasks.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/30/2009
Comments: DTSC approves the GW Monitoring report and outstanding comments and issues will be addressed in subsequent monitoring reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Completed Document Type: Monitoring Report
Completed Date: 02/09/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/09/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/19/2010
Comments: This was a GW sampling event and was apparently completed on 12/16/2009. The GW monitoring report is pending.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2010
Comments: The 4th Quarter 2009 report was approved with comments in a comment letter on the 1st quarter 2010 report. The 1st quarter 2010 report is required to be revised and resubmitted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/20/2010
Comments: Field work completed approx. 4/01/2010, preliminary data submitted 4/20/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/15/2012
Comments: DTSC is not requiring revision of the subject report at present as the subsequent monitoring report has been issued, and as the RACR has been submitted and is under review, and any issues related to the monitoring and remediation program will be handled under the RACR.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/26/2010
Comments: This is a fieldwork exercise that was completed 8/26/2010. No deliverables were submitted, and no DTSC letter was prepared.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2010
Comments: RP consultant responses to DTSC comments were not entirely adequate, however, staff availability and deadlines on higher priority tasks on this and other projects precluded DTSC follow up, so this task is being completed and the issues will be addressed in DTSC's response to the BAP OU RACR, being reviewed beginning January 2012.

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 02/23/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 02/11/2010
Comments: Various proposals and modified proposals were submitted, discussed and evaluated thoroughly. DTSC approves the well decommissioning as indicated in the attached letter dated 2/10/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/22/2010
Comments: This was a field activity only, and will be documented in the 1st quarter 2010 groundwater monitoring and remedial progress report, it will not result in a separate document being developed by the consultant, or review and approval by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/20/2012
Comments: Revision of the subject report is not required at present because the subsequent report has been submitted and the RACR has been submitted and is currently under review. Any changes or issues identified with the monitoring or remediation programs will be handled as a result of the RACR.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/19/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/15/2012
Comments: DTSC is not requiring revisions to the submitted report at this time since the RACR is currently under review. Necessary modifications to the remediation and monitoring program will be made through the comments on and revisions to the RACR.

Completed Area Name: Oly-Fed Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/27/2011
Comments: DTSC geologist conducted oversight of well and SVE piping and appurtenances abandonment activities and concluded all abandonment activities were conducted consistent with relevant guidance and the RAW.

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/15/2013
Comments: Approved without revision in the context of comments made on the draft RACR.

Completed Area Name: Barry Avenue Plating Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/28/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/05/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/21/2013
Comments: Not reported

Completed Area Name: Barry Avenue Plating Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/12/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/02/2012
Comments: As this is fieldwork, no DTSC 'Final Letter' is called for. The results of sampling and other activities will be reported in the Semi-annual Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 12/13/2012
Comments: DTSC approved the Supplemental Sampling Workplan with modifications.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/30/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/25/2014
Comments: Not reported

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Future Area Name:	Barry Avenue Plating Groundwater OU
Future Sub Area Name:	Not reported
Future Document Type:	Certification
Future Due Date:	2018
Future Area Name:	Barry Avenue Plating Groundwater OU
Future Sub Area Name:	Not reported
Future Document Type:	Removal Action Completion Report
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

SWEEPS UST:

Status:	Active
Comp Number:	2182
Number:	1
Board Of Equalization:	44-012165
Referral Date:	03-04-93
Action Date:	03-04-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-002182-000001
Tank Status:	A
Capacity:	1600
Active Date:	04-20-88
Tank Use:	CHEMICAL
STG:	P
Content:	UNKNOWN
Number Of Tanks:	5

Status:	Active
Comp Number:	2182
Number:	1
Board Of Equalization:	44-012165
Referral Date:	03-04-93
Action Date:	03-04-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-002182-000002
Tank Status:	A
Capacity:	1100
Active Date:	04-20-88
Tank Use:	CHEMICAL
STG:	P
Content:	UNKNOWN
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2182
Number:	1
Board Of Equalization:	44-012165
Referral Date:	03-04-93
Action Date:	03-04-93
Created Date:	02-29-88
Owner Tank Id:	Not reported

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

SWRCB Tank Id:	19-050-002182-000003
Tank Status:	A
Capacity:	200
Active Date:	04-20-88
Tank Use:	CHEMICAL
STG:	P
Content:	UNKNOWN
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2182
Number:	1
Board Of Equalization:	44-012165
Referral Date:	03-04-93
Action Date:	03-04-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-002182-000004
Tank Status:	A
Capacity:	1587
Active Date:	04-20-88
Tank Use:	CHEMICAL
STG:	P
Content:	UNKNOWN
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2182
Number:	1
Board Of Equalization:	44-012165
Referral Date:	03-04-93
Action Date:	03-04-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-002182-000005
Tank Status:	A
Capacity:	237
Active Date:	04-20-88
Tank Use:	CHEMICAL
STG:	P
Content:	UNKNOWN
Number Of Tanks:	Not reported

HIST UST:

File Number:	000266AC
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000266AC.pdf
Region:	STATE
Facility ID:	00000017019
Facility Type:	Other
Other Type:	METAL FINISHING
Contact Name:	EDUARDO AMAGNA
Telephone:	2138386294
Owner Name:	BARRY AVENUE PLATING COMPANY,I
Owner Address:	2210 BARRY AVENUE
Owner City,St,Zip:	LOS ANGELES, CA 90064
Total Tanks:	0003

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Tank Num:	001
Container Num:	1
Year Installed:	1982
Tank Capacity:	00001600
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0.22
Leak Detection:	Visual

Tank Num:	001
Container Num:	1
Year Installed:	1982
Tank Capacity:	00001600
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0.22
Leak Detection:	Visual

Tank Num:	001
Container Num:	1
Year Installed:	1982
Tank Capacity:	00001600
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0.22
Leak Detection:	Visual

Tank Num:	001
Container Num:	1
Year Installed:	1982
Tank Capacity:	00001600
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0.22
Leak Detection:	Visual

Tank Num:	002
Container Num:	2
Year Installed:	1982
Tank Capacity:	00001100
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0.22
Leak Detection:	Visual

Tank Num:	002
Container Num:	2
Year Installed:	1982
Tank Capacity:	00001100
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0.22
Leak Detection:	Visual

Tank Num:	002
Container Num:	2
Year Installed:	1982

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Tank Capacity:	00001100
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0.22
Leak Detection:	Visual

Tank Num:	002
Container Num:	2
Year Installed:	1982
Tank Capacity:	00001100
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0.22
Leak Detection:	Visual

Tank Num:	003
Container Num:	3
Year Installed:	1982
Tank Capacity:	00000200
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0.22
Leak Detection:	Visual

Tank Num:	003
Container Num:	3
Year Installed:	1982
Tank Capacity:	00000200
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0.22
Leak Detection:	Visual

Tank Num:	003
Container Num:	3
Year Installed:	1982
Tank Capacity:	00000200
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0.22
Leak Detection:	Visual

Tank Num:	003
Container Num:	3
Year Installed:	1982
Tank Capacity:	00000200
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0.22
Leak Detection:	Visual

Tank Num:	004
Container Num:	4
Year Installed:	1981
Tank Capacity:	00001587
Tank Used for:	WASTE
Type of Fuel:	Not reported

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Container Construction Thickness: 0.5
Leak Detection: Visual

Tank Num: 004
Container Num: 4
Year Installed: 1981
Tank Capacity: 00001587
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 0.5
Leak Detection: Visual

Tank Num: 005
Container Num: 5
Year Installed: 1981
Tank Capacity: 00000237
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 0.5
Leak Detection: Visual

Tank Num: 005
Container Num: 5
Year Installed: 1981
Tank Capacity: 00000237
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 0.5
Leak Detection: Visual

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 19000722
Regulated By: UTNKA
Regulated ID: 00041149
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2132720116
Mail To: Not reported
Mailing Address: 2210 BARRY AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900640000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

DEED:
Envirostor ID: 60000437
Area: BARRY AVENUE PLATING SOIL OU
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 05/09/2014
File Name: Envirostor Land Use Restrictions

US AIRS (AFS):
Envid: 1000372040
Region Code: 09
County Code: CA037
Programmatic ID: AIR CASCA00006037CJ155
Facility Registry ID: 110000474175
D and B Number: Not reported
Facility Site Name: BARRY AVE PLATING CO INC
Primary SIC Code: 3471
NAICS Code: 332813
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 CASCA00006037CJ155
Facility Registry ID: 110000474175
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: 1996-12-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ155
Facility Registry ID: 110000474175
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: 1997-11-26 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 CASCA00006037CJ155
Facility Registry ID: 110000474175
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: 2003-12-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ155
Facility Registry ID: 110000474175
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: 2006-06-15 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 CASCA00006037CJ155
Facility Registry ID: 110000474175
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: 2007-05-01 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 CASCA00006037CJ155
Facility Registry ID: 110000474175
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: 2008-05-08 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 CASCA00006037CJ155
Facility Registry ID: 110000474175
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-12-05 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 CASCA00006037CJ155
Facility Registry ID: 110000474175
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-06-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ155
Facility Registry ID: 110000474175
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-05-01 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 CASCA00006037CJ155
Facility Registry ID: 110000474175
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-05-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FINDS:

Registry ID: 110000474175

Environmental Interest/Information System

California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. The EnviroStor 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.

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 EMISSIONS CLASSIFICATION UNKNOWN

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART)

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

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.

RISK AND TECHNOLOGY REVIEW

STATE MASTER

AIR MAJOR

HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000372040
Registry ID:	110000474175
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110000474175

EMI:

Year:	2005
County Code:	19
Air Basin:	SC
Facility ID:	13618
Air District Name:	SC
SIC Code:	3471
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:	3.67865
Reactive Organic Gases Tons/Yr:	3.585417803
Carbon Monoxide Emissions Tons/Yr:	.00455
NOX - Oxides of Nitrogen Tons/Yr:	1.09641

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

SOX - Oxides of Sulphur Tons/Yr:	.000105
Particulate Matter Tons/Yr:	1.128574207
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.21998731693

Year:	2006
County Code:	19
Air Basin:	SC
Facility ID:	13618
Air District Name:	SC
SIC Code:	3471
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:	3.616367303245639714
Reactive Organic Gases Tons/Yr:	3.482
Carbon Monoxide Emissions Tons/Yr:	.007
NOX - Oxides of Nitrogen Tons/Yr:	.026
SOX - Oxides of Sulphur Tons/Yr:	.016
Particulate Matter Tons/Yr:	.01
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.00656

Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	13618
Air District Name:	SC
SIC Code:	3471
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:	3.616367303245639714
Reactive Organic Gases Tons/Yr:	3.482
Carbon Monoxide Emissions Tons/Yr:	.007
NOX - Oxides of Nitrogen Tons/Yr:	.026
SOX - Oxides of Sulphur Tons/Yr:	.016
Particulate Matter Tons/Yr:	.01
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.00656

Year:	2008
County Code:	19
Air Basin:	SC
Facility ID:	13618
Air District Name:	SC
SIC Code:	3399
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:	.0059760655154293097
Reactive Organic Gases Tons/Yr:	.0041586916999999576
Carbon Monoxide Emissions Tons/Yr:	.01798
NOX - Oxides of Nitrogen Tons/Yr:	.0195
SOX - Oxides of Sulphur Tons/Yr:	.000143394
Particulate Matter Tons/Yr:	.0027919461645
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.002073901729405

Year:	2009
County Code:	19

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Air Basin:	SC
Facility ID:	13618
Air District Name:	SC
SIC Code:	3399
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:	6.6734146390246604E-3
Reactive Organic Gases Tons/Yr:	4.9658354999999998E-3
Carbon Monoxide Emissions Tons/Yr:	1.7979999999999999E-2
NOX - Oxides of Nitrogen Tons/Yr:	0.0195
SOX - Oxides of Sulphur Tons/Yr:	1.3339999999999999E-4
Particulate Matter Tons/Yr:	3.2153540000000001E-3
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2.3621448199999998E-3

Year:	2010
County Code:	19
Air Basin:	SC
Facility ID:	13618
Air District Name:	SC
SIC Code:	3399
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:	1.03496275411685
Reactive Organic Gases Tons/Yr:	1.0221899999999999
Carbon Monoxide Emissions Tons/Yr:	2.0500000000000001E-2
NOX - Oxides of Nitrogen Tons/Yr:	2.4410000000000001E-2
SOX - Oxides of Sulphur Tons/Yr:	1.2999999999999999E-4
Particulate Matter Tons/Yr:	6.6563213999999999E-3
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2.9885301910000002E-3

Year:	2011
County Code:	19
Air Basin:	SC
Facility ID:	13618
Air District Name:	SC
SIC Code:	3399
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:	1.3247748247
Reactive Organic Gases Tons/Yr:	1.30831005
Carbon Monoxide Emissions Tons/Yr:	0.02436
NOX - Oxides of Nitrogen Tons/Yr:	0.029
SOX - Oxides of Sulphur Tons/Yr:	0.00016
Particulate Matter Tons/Yr:	0.0055704239
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.003699943168

Year:	2012
County Code:	19
Air Basin:	SC
Facility ID:	13618
Air District Name:	SC
SIC Code:	3399
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.735782659
Reactive Organic Gases Tons/Yr:	1.71662
Carbon Monoxide Emissions Tons/Yr:	0.02142
NOX - Oxides of Nitrogen Tons/Yr:	0.32659
SOX - Oxides of Sulphur Tons/Yr:	0.00015
Particulate Matter Tons/Yr:	2.131706251
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.40725129853

Year:	2013
County Code:	19
Air Basin:	SC
Facility ID:	13618
Air District Name:	SC
SIC Code:	3399
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:	1.5428159649
Reactive Organic Gases Tons/Yr:	1.52632
Carbon Monoxide Emissions Tons/Yr:	0.02268
NOX - Oxides of Nitrogen Tons/Yr:	1.75052
SOX - Oxides of Sulphur Tons/Yr:	0.00016
Particulate Matter Tons/Yr:	2.450696293
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.46788723145

Year:	2015
County Code:	19
Air Basin:	SC
Facility ID:	13618
Air District Name:	SC
SIC Code:	3471
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:	1.0478050314
Reactive Organic Gases Tons/Yr:	1.03982799
Carbon Monoxide Emissions Tons/Yr:	0.008286685
NOX - Oxides of Nitrogen Tons/Yr:	2.61907878
SOX - Oxides of Sulphur Tons/Yr:	0.00014203
Particulate Matter Tons/Yr:	4.5380996131
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4.3570219335

WDS:

Facility ID:	4 19I009470
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:	3104780078

BARRY AVENUE PLATING COMPANY (Continued) **1000372040**

Facility Contact:	RONALD ORANTES
Agency Name:	BRICE KEARSLEY III
Agency Address:	2210 Barry Ave
Agency City,St,Zip:	Los Angeles 900641402
Agency Contact:	RONALD ORANTES
Agency Telephone:	3104780078
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.

151
WSW
1/2-1
0.688 mi.
3630 ft.

WATER GARDENS
2500 COLORADO AVENUE
SANTA MONICA, CA 90404

ENVIROSTOR **S106386931**
CPS-SLIC **N/A**

Relative:
Lower

Actual:
152 ft.

ENVIROSTOR:

Facility ID:	19210002
Status:	Refer: Other Agency
Status Date:	08/21/1995
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:	50
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED

WATER GARDENS (Continued) **S106386931**

Funding: Not reported
Latitude: 34.03
Longitude: -118.4716
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: BEVERLY HILLS CITY DUMP
Alias Type: Alternate Name
Alias Name: GLADDING MCBEAN COMPANY
Alias Type: Alternate Name
Alias Name: PACIFIC COAST BUILDING PRODUCTS
Alias Type: Alternate Name
Alias Name: SYSTEM DEVELOPMENT CORPORATION
Alias Type: Alternate Name
Alias Name: 19210002
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/22/1982
Comments: FACILITY IDENTIFIED ID FROM LA CHAM COMM DIR 1963-64.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 08/29/1994
Comments: Site Screening conducted. It had been reported that the City of Santa Monica was the lead on this site and that RWQCB was involved, but neither agency has overseen the remediation. The developer said they had a letter from Alternative Technology approving the solidification technology used at this site, but DTSC, Region 3 has no file on this site. The developer has self directed the cleanup of 85,000 cubic yards of lead contaminated soil. Staff recommends a site inspection and a PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/15/1990
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
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:
Region: STATE

WATER GARDENS (Continued) **S106386931**

Facility Status:	**Completed - Case Closed**
Status Date:	09/05/2002
Global Id:	SL0603746763
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.03055
Longitude:	-118.470312
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	2045X00
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:

SLIC REG 4:

Region:	4
Facility Status:	No further action required
SLIC:	0130F
Substance:	Not reported
Staff:	John Geroch

152
SW
1/2-1
0.758 mi.
4004 ft.

EXTRA SPACE
1707 CLOVERFIELD BLVD.
SANTA MONICA, CA 90404

ENVIROSTOR **S108741820**
CPS-SLIC **N/A**
VCP
DEED

Relative:
Lower

Actual:
153 ft.

ENVIROSTOR:

Facility ID:	60000517
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	01/24/2013
Site Code:	301310
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	1.8
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Jess Villamayor
Supervisor:	Philip Chandler
Division Branch:	Cleanup Chatsworth
Assembly:	50
Senate:	26
Special Program:	CLRRA Liability Immunity (AB 389)
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.02700
Longitude:	-118.4710
APN:	4268014013
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE, FUEL - VEHICLE STORAGE/ REFUELING, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS
Potential COC:	Asbestos Containing Materials (ACM Total Chromium (1:6 ratio Cr

EXTRA SPACE (Continued) **S108741820**

VI:Cr III Lead Tetrachloroethylene (PCE TPH-diesel TPH-gas TPH-MOTOR OIL Trichloroethylene (TCE Vinyl chloride n-Butylbenzene sec-Butylbenzene tert-Butylbenzene Carbon tetrachloride Chloroform 1,1-Dichloroethane 1,2-Dichloroethane (EDC Ethylbenzene Toluene 1,1,2-Trichloroethane Trichlorofluoromethane Xylenes

Confirmed COC: 40001-NO Toluene 1,1,2-Trichloroethane Trichlorofluoromethane Tetrachloroethylene (PCE TPH-diesel TPH-gas Trichloroethylene (TCE Vinyl chloride n-Butylbenzene sec-Butylbenzene 30105-NO Carbon tetrachloride Chloroform 1,1-Dichloroethane 1,2-Dichloroethane (EDC 30272-NO Total Chromium (1:6 ratio Cr VI:Cr III Lead TPH-MOTOR OIL Xylenes

Potential Description: IA, OTH, SOIL, SV

Alias Name: 4268014013
Alias Type: APN
Alias Name: 110033617209
Alias Type: EPA (FRS #)
Alias Name: 301310
Alias Type: Project Code (Site Code)
Alias Name: 60000517
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: 03/19/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/19/2007
Comments: DTSC AAI comment letter and memo mailed out to Extra Space on March 19, 2007

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 03/19/2007
Comments: DTSC mailed out AAI comment letter and memo to Extra Space on March 19, 2007.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Tank Removal Report
Completed Date: 03/19/2007
Comments: DTSC mailed out AAI comment letter and memo to Extra Space on March 19, 2007.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/10/2007
Comments: SVE Pilot Test is conditional approved pending incorporation of DTSC comments into the SVE Pilot Test.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

EXTRA SPACE (Continued) **S108741820**

Completed Document Type: Fieldwork
Completed Date: 09/18/2007
Comments: SVE Pilot Test Installed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 04/08/2008
Comments: DTSC commented on lacking information, these will be addressed in the Response Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: AB 389 Response Plan
Completed Date: 07/10/2008
Comments: Response Plan approved without changes.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/16/2008
Comments: Installation and extra sampling completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soil Vapor Extraction Monitoring Report
Completed Date: 10/14/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/03/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/17/2009
Comments: No comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/18/2009
Comments: Comments sent to RP to modify testing/reporting methods.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/01/2009
Comments: No comments sent, comments will be made on the Dec 1, 2009 Soil Gas Survey Sampling Report that summarizes the SVE.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

EXTRA SPACE (Continued) **S108741820**

Completed Date: 12/01/2009
Comments: Document was reviewed, comments will be made on the Dec 1, 2009 Soil Gas Survey Sampling Report that summarizes the SVE.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/05/2010
Comments: Comments sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/27/2010
Comments: Reviewed with no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/08/2010
Comments: Eng comments will be consolidated with the 3rd quarter report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/08/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/27/2012
Comments: Groundwater sampling of all wells and soil confirmation samples are still needed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/27/2012
Comments: Emailed approval of a draft workplan. Asked them to submit a cleaned up version for the file.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/13/2012
Comments: Consists of other documents.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 06/29/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction

EXTRA SPACE (Continued) **S108741820**

Completed Date: 01/24/2013
Comments: LUC signed, use ok for commercial, industrial, multi-use, condo/apt on 2nd floor, park land

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 06/18/2008
Comments: NOE signed and sent to CEQA group.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: California Land Reuse and Revitalization Agreement
Completed Date: 11/21/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 01/24/2013
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

CPS-SLIC:
Region: STATE
Facility Status: Open - Inactive
Status Date: 02/02/2015
Global Id: SL0603767271
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number: 60000517
Latitude: 34.026951
Longitude: -118.471221
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 1160
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Trichloroethylene (TCE)
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

VCP:
Facility ID: 60000517
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup

EXTRA SPACE (Continued) **S108741820**

Site Mgmt. Req.:	NONE SPECIFIED
Acres:	1.8
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Jess Villamayor
Supervisor:	Philip Chandler
Division Branch:	Cleanup Chatsworth
Site Code:	301310
Assembly:	50
Senate:	26
Special Programs Code:	CLRRA Liability Immunity (AB 389)
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	01/24/2013
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	34.02700 / -118.4710
APN:	4268014013
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE, FUEL - VEHICLE STORAGE/ REFUELING, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS
Potential COC:	40001, 30005, 30013, 30022, 30024, 30025, 3002502, 30027, 30028, 30103, 30104, 30105, 30116, 30136, 30192, 30193, 30272, 30550, 30564, 30565, 30593
Confirmed COC:	40001-NO,30550,30564,30565,30022,30024,30025,30027,30028,30103,30104, 30105-NO,30116,30136,30192,30193,30272-NO,30005,30013,3002502,30593
Potential Description:	IA, OTH, SOIL, SV
Alias Name:	4268014013
Alias Type:	APN
Alias Name:	110033617209
Alias Type:	EPA (FRS #)
Alias Name:	301310
Alias Type:	Project Code (Site Code)
Alias Name:	60000517
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:	03/19/2007
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	03/19/2007
Comments:	DTSC AAI comment letter and memo mailed out to Extra Space on March 19, 2007
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	03/19/2007
Comments:	DTSC mailed out AAI comment letter and memo to Extra Space on March 19, 2007.
Completed Area Name:	PROJECT WIDE

EXTRA SPACE (Continued) **S108741820**

Completed Sub Area Name: Not reported
Completed Document Type: Tank Removal Report
Completed Date: 03/19/2007
Comments: DTSC mailed out AAI comment letter and memo to Extra Space on March 19, 2007.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/10/2007
Comments: SVE Pilot Test is conditional approved pending incorporation of DTSC comments into the SVE Pilot Test.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/18/2007
Comments: SVE Pilot Test Installed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 04/08/2008
Comments: DTSC commented on lacking information, these will be addressed in the Response Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: AB 389 Response Plan
Completed Date: 07/10/2008
Comments: Response Plan approved without changes.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/16/2008
Comments: Installation and extra sampling completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soil Vapor Extraction Monitoring Report
Completed Date: 10/14/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/03/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/17/2009
Comments: No comments

Completed Area Name: PROJECT WIDE

EXTRA SPACE (Continued) **S108741820**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/18/2009
Comments: Comments sent to RP to modify testing/reporting methods.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/01/2009
Comments: No comments sent, comments will be made on the Dec 1, 2009 Soil Gas Survey Sampling Report that summarizes the SVE.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/01/2009
Comments: Document was reviewed, comments will be made on the Dec 1, 2009 Soil Gas Survey Sampling Report that summarizes the SVE.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/05/2010
Comments: Comments sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/27/2010
Comments: Reviewed with no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/08/2010
Comments: Eng comments will be consolidated with the 3rd quarter report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/08/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/27/2012
Comments: Groundwater sampling of all wells and soil confirmation samples are still needed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/27/2012
Comments: Emailed approval of a draft workplan. Asked them to submit a cleaned up version for the file.

EXTRA SPACE (Continued) **S108741820**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/13/2012
Comments: Consists of other documents.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 06/29/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 01/24/2013
Comments: LUC signed, use ok for commercial, industrial, multi-use, condo/apt on 2nd floor, park land

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 06/18/2008
Comments: NOE signed and sent to CEQA group.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: California Land Reuse and Revitalization Agreement
Completed Date: 11/21/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 01/24/2013
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:
Envirostor ID: 60000517
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 01/24/2013
File Name: Envirostor Land Use Restrictions

153 East 1/2-1 0.860 mi. 4543 ft.

TENNESSEE AVENUE LOFTS
11500 TENNESSEE AVE
LOS ANGELES, CA 90064

ENVIROSTOR **S102796847**
LA Co. Site Mitigation **N/A**

Relative: Higher

Actual: 172 ft.

ENVIROSTOR:

Facility ID:	70000127
Status:	Refer: 1248 Local Agency
Status Date:	08/23/2005
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	LA CNTY FIRE DEPT. (BILLING AND UST), LOS ANGELES COUNTY
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Assembly:	54
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	34.03436
Longitude:	-118.4426
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	70000127
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

LA Co. Site Mitigation:

Facility ID:	Not reported
Status:	Not reported
Site ID:	SD0000164
Jurisdiction:	County
Case ID:	RO0000168

TENNESSEE AVENUE LOFTS (Continued) **S102796847**

Abated: Yes
Assigned To: Richard Clark
Entered Date: 08/18/2005
Abated Date: 02/08/2011

154
WSW
1/2-1
0.902 mi.
4762 ft.

COLORADO PLACE
BROADWAY AND CLOVERFIELD
SANTA MONICA, CA 90404

RESPONSE **S100833508**
ENVIROSTOR **N/A**
CA BOND EXP. PLAN

Relative:
Lower

Actual:
152 ft.

RESPONSE:

Facility ID:	19490208
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	15
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Not reported
Supervisor:	* Harlan Jeche
Division Branch:	Cleanup Chatsworth
Site Code:	300036
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	50
Senate:	26
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	04/15/1991
Restricted Use:	NO
Funding:	Responsible Party
Latitude:	34.03
Longitude:	-118.4752
APN:	NONE SPECIFIED
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE, LANDFILL - DOMESTIC, MANUFACTURING - METAL, MANUFACTURING - OTHER
Potential COC :	Arsenic Benzene Total Chromium (1:6 ratio Cr VI:Cr III Lead TPH-diesel TPH-gas TPH-MOTOR OIL 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Chromium III Chromium VI Nickel Nitric Acid Xylenes Zinc
Confirmed COC:	Arsenic Benzene Total Chromium (1:6 ratio Cr VI:Cr III Lead Nitric Acid TPH-diesel TPH-gas 1,1,1-Trichloroethane (TCA Chromium III Chromium VI Nickel TPH-MOTOR OIL Xylenes Zinc Trichloroethylene (TCE
Potential Description:	SOIL, SV
Alias Name:	CAD981392939
Alias Type:	EPA Identification Number
Alias Name:	110033613454
Alias Type:	EPA (FRS #)
Alias Name:	P33064
Alias Type:	PCode
Alias Name:	300036
Alias Type:	Project Code (Site Code)
Alias Name:	19490208
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

COLORADO PLACE (Continued) **S100833508**

Completed Document Type: * Delisting Document
Completed Date: 04/15/1991
Comments: Site delisted via a PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/04/1990
Comments: SITE SCREENING DONE COLORADO PLACE IS ON THE BEP BACKLOG. EPA HAS GIVEN THE SITE A NO FURTHER ACTION ON A SITE INVESTIGATION CONDUCTED BY E&E FEDERAL INVESTIGATION TEAM. PRELIMINARY ENDANGERMENT ASSESSMENT IS BEING COMPLETED.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/28/1990
Comments: PRELIM ASSESS DONE PRELIMINARY ENDANGERMENT ASSESSMENT(PEA) COMPLETED. RECOMMEND NO FURTHER ACTION BASED ON PEA DUE TO NO SIGNIFICANT HAZARD OR THREAT TO PUBLIC HEALTH & THE ENVIRONMENT. EPA CONDUCTED AN INVESTI- GAITION AT COLORADO PLACE WHICH SUPPORTS A NO FURTHER ACTION FOR THE SITE.

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

ENVIROSTOR:
Facility ID: 19490208
Status: No Further Action
Status Date: 04/15/1991
Site Code: 300036
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 15
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Program Manager: Not reported
Supervisor: * Harlan Jeche
Division Branch: Cleanup Chatsworth
Assembly: 50
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.03
Longitude: -118.4752
APN: NONE SPECIFIED
Past Use: AEROSPACE MANUFACTURING/MAINTENANCE, LANDFILL - DOMESTIC,

COLORADO PLACE (Continued) **S100833508**

MANUFACTURING - METAL, MANUFACTURING - OTHER
Potential COC: Arsenic Benzene Total Chromium (1:6 ratio Cr VI:Cr III Lead TPH-diesel TPH-gas TPH-MOTOR OIL 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Chromium III Chromium VI Nickel Nitric Acid Xylenes Zinc
Confirmed COC: Arsenic Benzene Total Chromium (1:6 ratio Cr VI:Cr III Lead Nitric Acid TPH-diesel TPH-gas 1,1,1-Trichloroethane (TCA Chromium III Chromium VI Nickel TPH-MOTOR OIL Xylenes Zinc Trichloroethylene (TCE
Potential Description: SOIL, SV
Alias Name: CAD981392939
Alias Type: EPA Identification Number
Alias Name: 110033613454
Alias Type: EPA (FRS #)
Alias Name: P33064
Alias Type: PCode
Alias Name: 300036
Alias Type: Project Code (Site Code)
Alias Name: 19490208
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Delisting Document
Completed Date: 04/15/1991
Comments: Site delisted via a PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/04/1990
Comments: SITE SCREENING DONE COLORADO PLACE IS ON THE BEP BACKLOG. EPA HAS GIVEN THE SITE A NO FURTHER ACTION ON A SITE INVESTIGATION CONDUCTED BY E&E FEDERAL INVESTIGATION TEAM. PRELIMINARY ENDANGERMENT ASSESSMENT IS BEING COMPLETED.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/28/1990
Comments: PRELIM ASSESS DONE PRELIMINARY ENDANGERMENT ASSESSMENT(PEA) COMPLETED. RECOMMEND NO FURTHER ACTION BASED ON PEA DUE TO NO SIGNIFICANT HAZARD OR THREAT TO PUBLIC HEALTH & THE ENVIRONMENT. EPA CONDUCTED AN INVESTI- GAITION AT COLORADO PLACE WHICH SUPPORTS A NO FURTHER ACTION FOR THE SITE.

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

CA BOND EXP. PLAN:

COLORADO PLACE (Continued) **S100833508**

Reponsible Party:	BACKLOG SITE CLEANUP PLANNING REPORT
Project Revenue Source Company:	Not reported
Project Revenue Source Addr:	Not reported
Project Revenue Source City,St,Zip:	Not reported
Project Revenue Source Desc:	This site is projected for cleanup by responsible parties with reimbursement to DHS for staff and related costs. However, if the responsible parties fail to provide funding for cleanup, another source of funds will need to be established.
Site Description:	This site is a former "burn dump", which operated until the early 1950's. In later years, the facility apparently accepted inert materials.
Hazardous Waste Desc:	During core drilling prior to construction at the former "burn dump" site, elevated levels of organic material and lead were encountered in the soil and in the upper saturated zone. It is believed most of the contaminated soil has been removed from the site and properly disposed of, in accordance with State regulations.
Threat To Public Health & Env:	The threat from this site is believed to be minimal. It is believed that most of the contamination has already been removed from the site. The upper aquifer in the area is generally contaminated by organic solvents and is not used as a public water supply.
Site Activity Status:	DHS has required and the developer has provided a waste management plan for dealing with hazardous substances during excavation. The proposed depth of the excavation would remove the majority of residual wastes from the landfill. Materials exceedingDHS's standards are hazardous wastes and will be handled as Class 1 wastes; marginally contaminated waste will be taken to an appropriate landfill.

Count: 2 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SANTA MONICA	1003879968	HIGHLAND ENG. CO.	1942 BERKELEY AVE.	90404	SEMS-ARCHIVE
SANTA MONICA	1003879958	WARD OIL	2600 NEBRASKA AVE.	90404	SEMS-ARCHIVE

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: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
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: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
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: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
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: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
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: 05/18/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/29/2018
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: 05/18/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/29/2018
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
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: 05/14/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 11/26/2018
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: 02/13/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
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: 02/13/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
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: 03/19/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
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: 04/30/2018
Date Data Arrived at EDR: 05/02/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 51

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
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: 04/30/2018
Date Data Arrived at EDR: 05/02/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 51

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
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: 08/08/2018
Date Data Arrived at EDR: 08/10/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 14

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/10/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/13/2018
Next Scheduled EDR Contact: 09/24/2018
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 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 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 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 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 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

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: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
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: 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: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 26

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/13/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
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: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/10/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/13/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

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: 06/21/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Quarterly

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: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

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: 04/30/2018
Date Data Arrived at EDR: 05/02/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 51

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
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

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: 06/22/2018
Next Scheduled EDR Contact: 10/08/2018
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: 06/25/2018
Date Data Arrived at EDR: 06/27/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 40

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
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: 03/19/2018
Date Data Arrived at EDR: 03/21/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 10/01/2018
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: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 54

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/13/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 05/29/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 48

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
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: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
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: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
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: 08/03/2018
Next Scheduled EDR Contact: 11/12/2018
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: 02/22/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
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: 04/30/2018
Date Data Arrived at EDR: 05/02/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 51

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
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: 08/17/2018
Next Scheduled EDR Contact: 10/22/2018
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: 02/22/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Quarterly

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: 04/23/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/07/2018
Number of Days to Update: 44

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/05/2018
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: 03/28/2018
Date Data Arrived at EDR: 05/25/2018
Date Made Active in Reports: 07/10/2018
Number of Days to Update: 46

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
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: 04/19/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 10

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
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: 04/23/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/07/2018
Number of Days to Update: 44

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/05/2018
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: 05/31/2018
Date Data Arrived at EDR: 06/05/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 43

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
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: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/05/2018
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: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 41

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
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: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
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: 04/06/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 51

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
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: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
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: 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: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
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: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
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: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
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: 08/17/2018
Next Scheduled EDR Contact: 11/26/2018
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: 03/01/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
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: 08/03/2018
Next Scheduled EDR Contact: 11/19/2018
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: 08/10/2018
Next Scheduled EDR Contact: 11/19/2018
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: 06/22/2018
Next Scheduled EDR Contact: 10/01/2018
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: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
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: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
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: 11/02/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 11/05/2018
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: 08/09/2018
Next Scheduled EDR Contact: 11/19/2018
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: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
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: 07/09/2018
Next Scheduled EDR Contact: 10/22/2018
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: 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: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
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: 07/23/2018
Next Scheduled EDR Contact: 11/05/2018
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: 06/07/2018
Next Scheduled EDR Contact: 09/17/2018
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: 06/04/2018
Next Scheduled EDR Contact: 09/17/2018
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: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/03/2018
Date Data Arrived at EDR: 04/05/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 10/15/2018
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: 08/09/2018
Next Scheduled EDR Contact: 11/12/2018
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: 03/31/2018
Date Data Arrived at EDR: 04/16/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 74

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/09/2018
Next Scheduled EDR Contact: 10/01/2018
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: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
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: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
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: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
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: 08/20/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
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: 05/03/2018
Date Data Arrived at EDR: 05/31/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/10/2018
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: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
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: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
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: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 87

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 09/24/2018
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: 02/21/2018
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 28

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
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: 02/25/2018
Date Data Arrived at EDR: 03/17/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 73

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 06/01/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

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: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 30

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/22/2018
Next Scheduled EDR Contact: 12/03/2018
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: 06/25/2018
Date Data Arrived at EDR: 06/27/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 40

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
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: 04/03/2018
Date Data Arrived at EDR: 05/07/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 39

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA SAN FRANCISCO CO
Cupa facilities

Date of Government Version: 04/20/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 10

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: DRYCLEAN SOUTH COAST
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 03/16/2018
Date Data Arrived at EDR: 03/20/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 45

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/22/2018
Next Scheduled EDR Contact: 12/10/2018
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: 06/25/2018
Date Data Arrived at EDR: 06/28/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 39

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
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: 05/31/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
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: 12/31/2017
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 10/01/2018
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: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 07/06/2018
Number of Days to Update: 73

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/20/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 60

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
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: 05/14/2018
Date Data Arrived at EDR: 05/15/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 38

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
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: 12/31/2016
Date Data Arrived at EDR: 07/12/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 97

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Annually

ICE: ICE
Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/21/2018
Date Data Arrived at EDR: 05/23/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 55

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
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: 05/21/2018
Date Data Arrived at EDR: 05/23/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
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: 07/09/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 44

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
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: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 54

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/13/2018
Next Scheduled EDR Contact: 09/24/2018
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: 05/23/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 42

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 05/14/2018
Date Data Arrived at EDR: 05/16/2018
Date Made Active in Reports: 07/05/2018
Number of Days to Update: 50

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/10/2018
Next Scheduled EDR Contact: 11/26/2018
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: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/19/2018
Number of Days to Update: 43

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 54

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/13/2018
Next Scheduled EDR Contact: 09/24/2018
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: 06/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/14/2018
Next Scheduled EDR Contact: 10/01/2018
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: 06/13/2018
Next Scheduled EDR Contact: 09/24/2018
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: 04/10/2018
Date Data Arrived at EDR: 04/13/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
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: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
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: 06/25/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
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: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

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: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 37

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)
Other Oil & Gas Projects sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)
Non-Case Information sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
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: 04/23/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/07/2018
Number of Days to Update: 44

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
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

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:

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: 04/05/2018
Date Data Arrived at EDR: 04/10/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 65

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 04/05/2018
Date Data Arrived at EDR: 04/10/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 24

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/05/2018
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: 07/01/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 27

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

BUTTE COUNTY:

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: 07/05/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 08/02/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 14

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/25/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 05/23/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 50

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 11/19/2018
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: 05/21/2018
Date Data Arrived at EDR: 05/25/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 56

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 04/27/2018
Date Data Arrived at EDR: 05/02/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 44

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/12/2018
Date Data Arrived at EDR: 07/12/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 39

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
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: 07/11/2018
Date Data Arrived at EDR: 07/17/2018
Date Made Active in Reports: 08/30/2018
Number of Days to Update: 44

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/15/2018
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: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/11/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/22/2018
Number of Days to Update: 40

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/20/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: 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: 06/14/2018
Number of Days to Update: 50

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INYO COUNTY:

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: 08/29/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 05/02/2018
Date Data Arrived at EDR: 05/07/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 72

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 11/19/2018
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: 06/12/2018
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 28

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 08/08/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 08/22/2018
Number of Days to Update: 13

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: 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: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: 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: 06/13/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 04/16/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 60

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/16/2018
Date Data Arrived at EDR: 07/18/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 37

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/18/2018
Next Scheduled EDR Contact: 10/29/2018
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: 01/01/2018
Date Data Arrived at EDR: 05/01/2018
Date Made Active in Reports: 05/14/2018
Number of Days to Update: 13

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/29/2018
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: 04/01/2018
Date Data Arrived at EDR: 04/17/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 63

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 10/29/2018
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: 07/11/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Semi-Annually

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: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Annually

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/18/2018
Number of Days to Update: 13

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 10/22/2018
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: 05/22/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/31/2018
Number of Days to Update: 68

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 03/30/2018
Date Data Arrived at EDR: 04/06/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 28

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/30/2018
Date Data Arrived at EDR: 06/01/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 42

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 05/22/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 50

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/13/2018
Date Data Arrived at EDR: 06/19/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 31

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 07/02/2018
Next Scheduled EDR Contact: 10/15/2018
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: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
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: 05/23/2018
Date Data Arrived at EDR: 05/31/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 41

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/01/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 45

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 05/11/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 42

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 05/11/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 45

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/10/2018
Number of Days to Update: 63

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/06/2018
Next Scheduled EDR Contact: 11/19/2018
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: 05/31/2018
Date Data Arrived at EDR: 06/05/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 43

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 50

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
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: 07/09/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 42

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/18/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 04/05/2018
Date Data Arrived at EDR: 04/10/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 24

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/18/2018
Next Scheduled EDR Contact: 10/01/2018
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: 05/07/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 08/13/2018
Number of Days to Update: 41

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/03/2018
Next Scheduled EDR Contact: 10/15/2018
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: 05/14/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 08/13/2018
Number of Days to Update: 41

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/03/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 05/16/2018
Date Data Arrived at EDR: 05/22/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 52

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
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: 04/09/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 69

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/19/2018
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: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 41

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
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: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
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: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 31

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
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: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
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: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 06/07/2018
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 07/10/2018
Number of Days to Update: 28

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
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: 06/14/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/16/2018
Date Data Arrived at EDR: 05/22/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 56

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
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: 06/12/2018
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 52

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/24/2018
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: 06/12/2018
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 08/13/2018
Number of Days to Update: 59

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/24/2018
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: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 05/16/2018
Date Data Arrived at EDR: 05/23/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 55

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
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: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Annually

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/16/2018
Date Data Arrived at EDR: 05/22/2018
Date Made Active in Reports: 07/19/2018
Number of Days to Update: 58

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
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: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
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: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
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: 06/04/2018
Date Data Arrived at EDR: 06/08/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 40

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 07/12/2018
Number of Days to Update: 30

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 06/19/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 21

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/21/2018
Next Scheduled EDR Contact: 10/08/2018
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: 07/03/2018
Date Data Arrived at EDR: 07/10/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 45

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/21/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 08/14/2018
Date Data Arrived at EDR: 08/16/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 8

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/08/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 33

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/26/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 47

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: 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: 06/15/2018
Number of Days to Update: 51

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 03/19/2018
Date Data Arrived at EDR: 03/22/2018
Date Made Active in Reports: 04/17/2018
Number of Days to Update: 26

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 11/19/2018
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: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
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: 03/26/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 58

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 11/05/2018
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: 06/27/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Annually

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: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Quarterly

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: 07/02/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 29

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/26/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 28

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/13/2018
Next Scheduled EDR Contact: 09/24/2018
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: 06/20/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 07/12/2018
Number of Days to Update: 9

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/10/2018
Date Data Arrived at EDR: 05/15/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 31

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/12/2018
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: 01/03/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 03/22/2018
Number of Days to Update: 36

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/01/2018
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
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: 04/30/2018
Date Data Arrived at EDR: 05/03/2018
Date Made Active in Reports: 06/07/2018
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
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: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/11/2018
Next Scheduled EDR Contact: 09/24/2018
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.

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

LADWP
12300 NEBRASKA AVENUE
LOS ANGELES, CA 90025

TARGET PROPERTY COORDINATES

Latitude (North):	34.033937 - 34˚ 2' 2.17''
Longitude (West):	118.459219 - 118˚ 27' 33.19''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	365289.4
UTM Y (Meters):	3766684.5
Elevation:	162 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5630733 BEVERLY HILLS, 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).

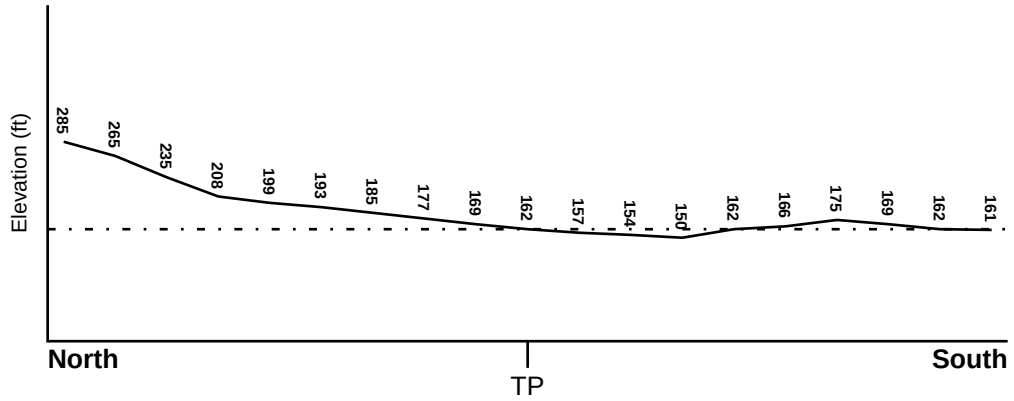
TOPOGRAPHIC INFORMATION

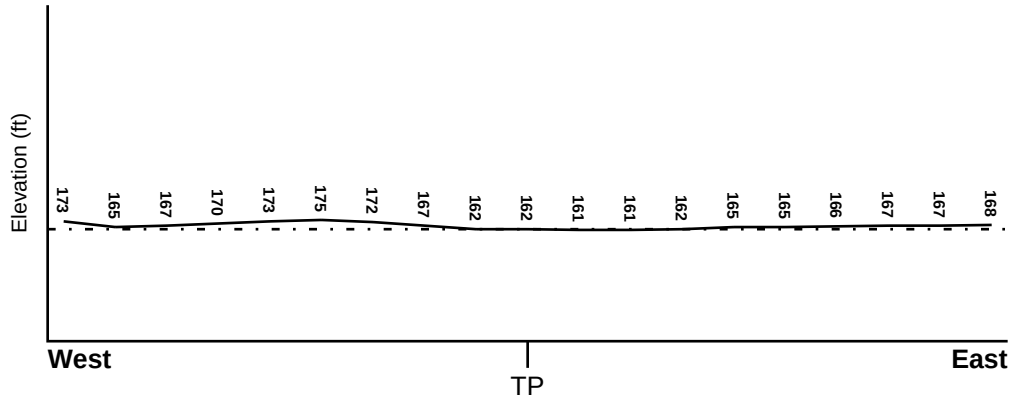
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 162 ft.

0 1/2 1 Miles

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
06037C1590F	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
BEVERLY HILLS	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:	1/8 - 1/4 Mile SSE
Site Name:	Mcdonnell-Douglas Aircraft Facility
Site EPA ID Number:	CA0000485326
Groundwater Flow Direction:	South-Southwest
Inferred Depth to Water:	50 feet.
Hydraulic Connection:	Information is not available regarding the hydraulic connection between aquifers underlying the site.
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
A2	1/8 - 1/4 Mile SSW	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

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
1G	1/8 - 1/4 Mile SSW	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

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:	URBAN LAND
Soil Surface Texture:	variable
Hydrologic Group:	Not reported
Soil Drainage Class:	Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 10 inches
Depth to Bedrock Max:	> 10 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	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

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: loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types: loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types: fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types: stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40000139912	1/8 - 1/4 Mile South
B3	USGS40000139909	1/4 - 1/2 Mile SW
12	USGS40000139894	1/2 - 1 Mile SW
20	USGS40000140029	1/2 - 1 Mile NNW

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
B4	CADW60000036089	1/4 - 1/2 Mile SW
B5	CADW60000036067	1/4 - 1/2 Mile SW
B6	2992	1/4 - 1/2 Mile SW
7	2993	1/4 - 1/2 Mile East
8	CADW60000036070	1/4 - 1/2 Mile SW
C9	1510	1/4 - 1/2 Mile West
C10	1513	1/4 - 1/2 Mile West
C11	22904	1/4 - 1/2 Mile West
13	CADW60000036111	1/2 - 1 Mile WSW
D14	1507	1/2 - 1 Mile SW
D15	CADW60000036113	1/2 - 1 Mile SW
16	14092	1/2 - 1 Mile NW
17	2995	1/2 - 1 Mile SW
18	CADW60000036069	1/2 - 1 Mile WSW
19	CADW60000036066	1/2 - 1 Mile WSW
21	CADW60000036110	1/2 - 1 Mile West
22	CADW60000036068	1/2 - 1 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

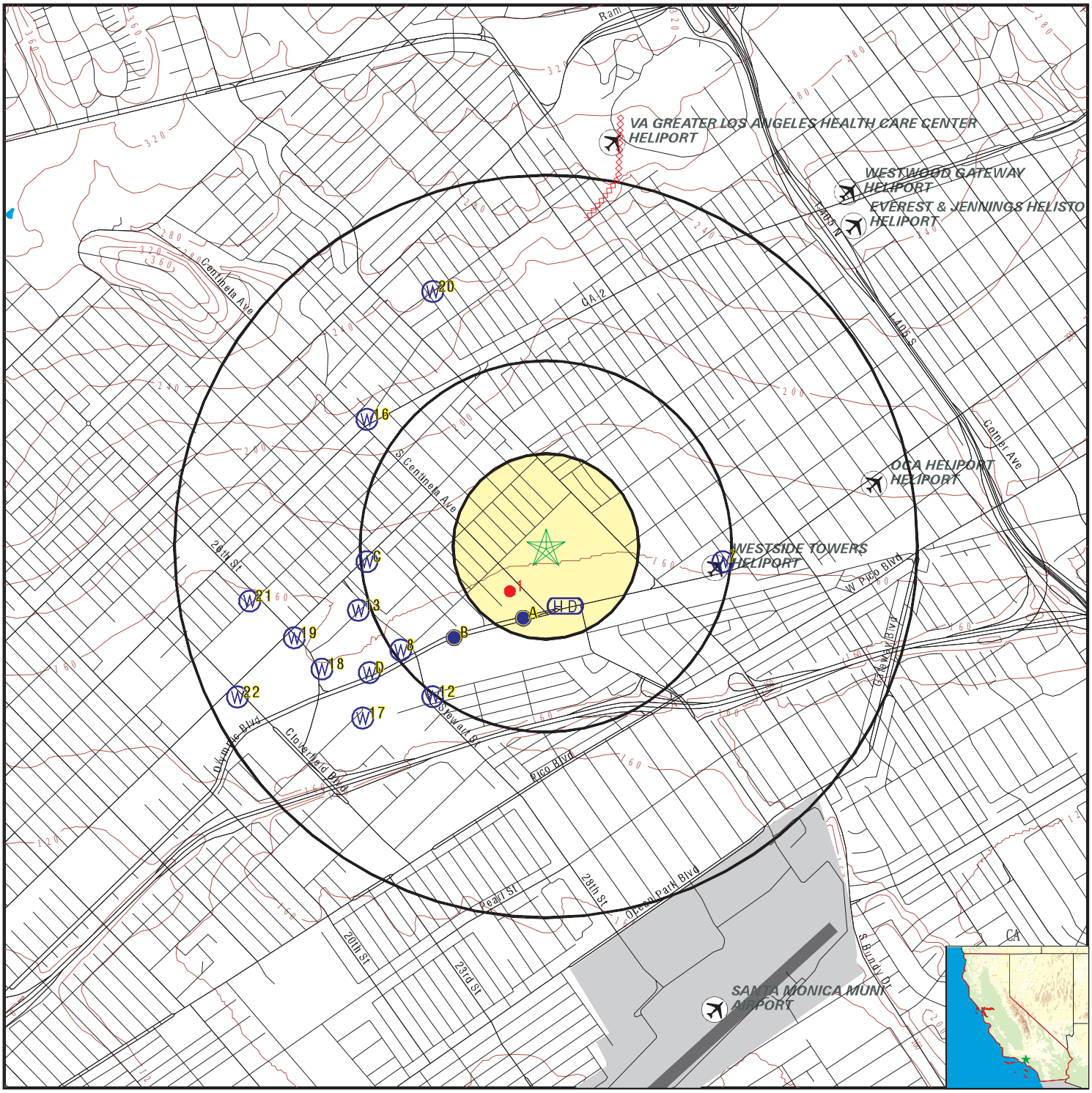
MAP ID	WELL ID	LOCATION FROM TP

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG11000204881	1/8 - 1/4 Mile SW

PHYSICAL SETTING SOURCE MAP - 5411218.2s



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
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location
Closest Hydrogeological Data
Oil, gas or related wells

SITE NAME: LADWP	CLIENT: Dudek & Associates
ADDRESS: 12300 Nebraska Avenue Los Angeles CA 90025	CONTACT: Susan Smith
LAT/LONG: 34.033937 / 118.459219	INQUIRY #: 5411218.2s
	DATE: August 31, 2018 11:52 am

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Map ID Direction Distance Elevation		Database	EDR ID Number
A1 **South** **1/8 - 1/4 Mile** **Lower**		**FED USGS**	**USGS40000139912**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S015W04C002S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
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:	19690911	Well Depth:	550
Well Depth Units:	ft	Well Hole Depth:	598
Well Hole Depth Units:	ft		

A2 **SSW** **1/8 - 1/4 Mile** **Lower**	Site ID:	900570061	**AQUIFLOW**	**55200**
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	8.37		
	Deep Water Depth:	12		
	Average Water Depth:	Not Reported		
	Date:	08/07/1996		

B3 **SW** **1/4 - 1/2 Mile** **Lower**		**FED USGS**	**USGS40000139909**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S015W04A001S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
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:	19820104	Well Depth:	560
Well Depth Units:	ft	Well Hole Depth:	580
Well Hole Depth Units:	ft		

B4 **SW** **1/4 - 1/2 Mile** **Lower**		**CA WELLS**	**CADW60000036089**

Objectid:	36089	Latitude:	34.030468
Longitude:	-118.46353	Site code:	340300N1184683W004
State well numbe:	Not Reported	Local well name:	'OB-9C'
Well use id:	1	Well use descrip:	Observation
County id:	19	County name:	Los Angeles
Basin code:	'4-11.01'	Basin desc:	Santa Monica
Dwr region id:	80238	Dwr region:	Southern Region Office
Site id:	CADW60000036089		

Map ID Direction Distance Elevation	Database	EDR ID Number
B5 **SW** **1/4 - 1/2 Mile** **Lower**	**CA WELLS**	**CADW60000036067**

Objectid:	36067	Latitude:	34.030468
Longitude:	-118.46353	Site code:	340300N1184263W001
State well numbe:	Not Reported	Local well name:	'OB-9B'
Well use id:	1	Well use descrip:	Observation
County id:	19	County name:	Los Angeles
Basin code:	'4-11.01'	Basin desc:	Santa Monica
Dwr region id:	80238	Dwr region:	Southern Region Office
Site id:	CADW60000036067		

B6 **SW** **1/4 - 1/2 Mile** **Lower**	**CA WELLS**	**2992**

Seq:	2992	Prim sta c:	02S/15W-04A01 S
Frds no:	1910146017	County:	19
District:	07	User id:	4TH
System no:	1910146	Water type:	G
Source nam:	SANTA MONICA WELL 04	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	340148.5	Longitude:	1182746.4
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910146	System nam:	SANTA MONICA-CITY, WATER DIVISION
Hqname:	Not Reported	Address:	1212 FIFTH ST., 3RD FLOOR
City:	SANTA MONICA	State:	CA
Zip:	90401	Zip ext:	Not Reported
Pop serv:	86905	Connection:	15905
Area serve:	SANTA MONICA		

Sample date:	05-MAR-18	Finding:	49.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	05-MAR-18	Finding:	1.7
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	05-MAR-18	Finding:	5.7
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	05-MAR-18	Finding:	5.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	05-MAR-18	Finding:	3.6
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		

Sample date:	05-MAR-18	Finding:	26.6

Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-MAR-18	Finding:	1.8
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-FEB-18	Finding:	2.3
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-FEB-18	Finding:	49.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-FEB-18	Finding:	2.6
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-FEB-18	Finding:	33.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-FEB-18	Finding:	4.7
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	02-JAN-18	Finding:	20.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	02-JAN-18	Finding:	1.6
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-JAN-18	Finding:	39.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-JAN-18	Finding:	1.7
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-JAN-18	Finding:	23.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-JAN-18	Finding:	3.4
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	02-JAN-18	Finding:	5.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	04-DEC-17	Finding:	4.4
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	04-DEC-17	Finding:	29.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	04-DEC-17	Finding:	2.
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-DEC-17	Finding:	39.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-DEC-17	Finding:	2.1
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-NOV-17	Finding:	4.5
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	06-NOV-17	Finding:	29.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-NOV-17	Finding:	2.2
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-NOV-17	Finding:	50.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-NOV-17	Finding:	2.
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-OCT-17	Finding:	6.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-OCT-17	Finding:	20.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	02-OCT-17	Finding:	4.7
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	02-OCT-17	Finding:	30.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-OCT-17	Finding:	2.2
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-OCT-17	Finding:	42.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-OCT-17	Finding:	2.4
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-SEP-17	Finding:	3.8
Chemical:	CHLOROFORM (THM)	Report units:	UG/L

Dlr:	1.		
Sample date:	05-SEP-17	Finding:	23.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-SEP-17	Finding:	1.9
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-SEP-17	Finding:	42.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-SEP-17	Finding:	1.9
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-AUG-17	Finding:	2.
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-AUG-17	Finding:	4.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	28-AUG-17	Finding:	22.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-AUG-17	Finding:	1.8
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-AUG-17	Finding:	46.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-AUG-17	Finding:	1.9
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-AUG-17	Finding:	4.1
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	28-AUG-17	Finding:	3.8
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	28-AUG-17	Finding:	21.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-AUG-17	Finding:	1.6
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-AUG-17	Finding:	40.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	24-JUL-17	Finding:	6.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	24-JUL-17	Finding:	4.
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	24-JUL-17	Finding:	21.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-JUL-17	Finding:	1.8
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-JUL-17	Finding:	44.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-JUL-17	Finding:	2.
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-JUL-17	Finding:	18.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	26-JUN-17	Finding:	4.4
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	26-JUN-17	Finding:	24.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-JUN-17	Finding:	2.3
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-JUN-17	Finding:	49.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-JUN-17	Finding:	2.4
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-MAY-17	Finding:	4.
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	22-MAY-17	Finding:	21.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-MAY-17	Finding:	1.9
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-MAY-17	Finding:	43.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	22-MAY-17	Finding:	2.2
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-APR-17	Finding:	4.2
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-APR-17	Finding:	21.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-APR-17	Finding:	1.9
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-APR-17	Finding:	41.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-APR-17	Finding:	2.2
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-APR-17	Finding:	19.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	24-APR-17	Finding:	7.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	27-MAR-17	Finding:	2.1
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-MAR-17	Finding:	4.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-MAR-17	Finding:	20.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-MAR-17	Finding:	1.8
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-MAR-17	Finding:	41.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-FEB-17	Finding:	3.9
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-FEB-17	Finding:	18.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	27-FEB-17	Finding:	1.5
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-FEB-17	Finding:	41.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-FEB-17	Finding:	2.1
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JAN-17	Finding:	5.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	23-JAN-17	Finding:	3.8
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	23-JAN-17	Finding:	16.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-JAN-17	Finding:	1.6
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-JAN-17	Finding:	39.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-JAN-17	Finding:	2.1
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-JAN-17	Finding:	18.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	26-DEC-16	Finding:	3.6
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	26-DEC-16	Finding:	18.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-DEC-16	Finding:	1.7
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-DEC-16	Finding:	38.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-DEC-16	Finding:	2.
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-NOV-16	Finding:	3.8
Chemical:	CHLOROFORM (THM)	Report units:	UG/L

Dlr:	1.		
Sample date:	28-NOV-16	Finding:	17.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-NOV-16	Finding:	1.9
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-NOV-16	Finding:	41.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-NOV-16	Finding:	2.3
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-OCT-16	Finding:	6.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	24-OCT-16	Finding:	19.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	24-OCT-16	Finding:	3.8
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	24-OCT-16	Finding:	14.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-OCT-16	Finding:	1.7
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-OCT-16	Finding:	38.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-OCT-16	Finding:	2.2
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-SEP-16	Finding:	17.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-SEP-16	Finding:	2.3
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-SEP-16	Finding:	40.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-SEP-16	Finding:	2.5
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	26-SEP-16	Finding:	4.2
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	22-AUG-16	Finding:	2.1
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-AUG-16	Finding:	47.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-AUG-16	Finding:	1.4
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-AUG-16	Finding:	16.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-AUG-16	Finding:	4.
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	22-AUG-16	Finding:	2.5
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-AUG-16	Finding:	46.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-AUG-16	Finding:	2.
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-AUG-16	Finding:	17.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-AUG-16	Finding:	4.
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	22-AUG-16	Finding:	4.
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	25-JUL-16	Finding:	19.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	25-JUL-16	Finding:	7.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	25-JUL-16	Finding:	2.6
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JUL-16	Finding:	38.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	25-JUL-16	Finding:	2.1
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JUL-16	Finding:	16.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JUL-16	Finding:	4.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-JUN-16	Finding:	3.9
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-JUN-16	Finding:	14.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-JUN-16	Finding:	1.9
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-JUN-16	Finding:	43.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-JUN-16	Finding:	2.5
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-MAY-16	Finding:	2.6
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-MAY-16	Finding:	40.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-MAY-16	Finding:	2.2
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-MAY-16	Finding:	16.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-MAY-16	Finding:	4.5
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	28-APR-16	Finding:	6.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	25-APR-16	Finding:	16.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		

Sample date:	25-APR-16	Finding:	2.5
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-APR-16	Finding:	43.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-APR-16	Finding:	2.
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-APR-16	Finding:	14.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-APR-16	Finding:	4.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	28-MAR-16	Finding:	39.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-MAR-16	Finding:	2.5
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-MAR-16	Finding:	4.2
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	28-MAR-16	Finding:	15.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-MAR-16	Finding:	1.9
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-FEB-16	Finding:	2.5
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-FEB-16	Finding:	42.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-FEB-16	Finding:	1.7
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-FEB-16	Finding:	14.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-FEB-16	Finding:	3.9
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	22-FEB-16	Finding:	6.6
Chemical:	NITRATE (AS N)	Report units:	MG/L

Dlr:	0.4		
Sample date:	25-JAN-16	Finding:	17.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	25-JAN-16	Finding:	2.3
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JAN-16	Finding:	39.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JAN-16	Finding:	1.6
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JAN-16	Finding:	14.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JAN-16	Finding:	3.8
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	25-JAN-16	Finding:	6.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	28-DEC-15	Finding:	5.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	28-DEC-15	Finding:	18.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-DEC-15	Finding:	2.2
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-DEC-15	Finding:	46.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-DEC-15	Finding:	3.1
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	30-NOV-15	Finding:	4.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	30-NOV-15	Finding:	16.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	30-NOV-15	Finding:	1.9
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	30-NOV-15	Finding:	43.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	30-NOV-15	Finding:	2.9
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-OCT-15	Finding:	15.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-OCT-15	Finding:	1.7
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-OCT-15	Finding:	37.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-OCT-15	Finding:	2.8
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-OCT-15	Finding:	17.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	26-OCT-15	Finding:	6.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	26-OCT-15	Finding:	4.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	28-SEP-15	Finding:	3.9
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	28-SEP-15	Finding:	14.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-SEP-15	Finding:	1.6
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-SEP-15	Finding:	39.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-SEP-15	Finding:	2.7
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-AUG-15	Finding:	4.2
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	24-AUG-15	Finding:	13.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	24-AUG-15	Finding:	1.7
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-AUG-15	Finding:	38.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-AUG-15	Finding:	2.8
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-AUG-15	Finding:	0.14
Chemical:	PHOSPHATE (AS PO4)	Report units:	UG/L
Dlr:	0.		
Sample date:	24-AUG-15	Finding:	38.
Chemical:	SILICA	Report units:	MG/L
Dlr:	0.		
Sample date:	24-AUG-15	Finding:	200.
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	24-AUG-15	Finding:	4.4
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	24-AUG-15	Finding:	14.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-AUG-15	Finding:	1.5
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-AUG-15	Finding:	49.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-AUG-15	Finding:	2.9
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-AUG-15	Finding:	4.4
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	27-JUL-15	Finding:	27.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	27-JUL-15	Finding:	2.9
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-JUL-15	Finding:	15.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	27-JUL-15	Finding:	1.6
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-JUL-15	Finding:	45.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-JUL-15	Finding:	4.5
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-JUL-15	Finding:	20.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	22-JUN-15	Finding:	4.7
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	22-JUN-15	Finding:	2.
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-JUN-15	Finding:	14.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-JUN-15	Finding:	3.
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-JUN-15	Finding:	40.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-MAY-15	Finding:	1.8
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-MAY-15	Finding:	4.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	26-MAY-15	Finding:	38.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-MAY-15	Finding:	14.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-MAY-15	Finding:	2.8
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-APR-15	Finding:	16.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	27-APR-15	Finding:	4.
Chemical:	CHLOROFORM (THM)	Report units:	UG/L

Dlr:	1.		
Sample date:	27-APR-15	Finding:	2.7
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-APR-15	Finding:	1.5
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-APR-15	Finding:	13.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-APR-15	Finding:	25.6
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	27-APR-15	Finding:	33.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-MAR-15	Finding:	39.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-MAR-15	Finding:	2.8
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-MAR-15	Finding:	2.
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-MAR-15	Finding:	14.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-MAR-15	Finding:	4.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	23-FEB-15	Finding:	570.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	23-FEB-15	Finding:	0.38
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	23-FEB-15	Finding:	2.8
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-FEB-15	Finding:	933.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	40.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	23-FEB-15	Finding:	1.8
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-FEB-15	Finding:	14.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-FEB-15	Finding:	4.4
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	23-FEB-15	Finding:	4.
Chemical:	VANADIUM	Report units:	UG/L
Dlr:	3.		
Sample date:	23-FEB-15	Finding:	7.7
Chemical:	MOLYDBENDUM	Report units:	UG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	26.9
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	23-FEB-15	Finding:	32.2
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	23-FEB-15	Finding:	63.6
Chemical:	BARIUM	Report units:	UG/L
Dlr:	100.		
Sample date:	23-FEB-15	Finding:	0.35
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	23-FEB-15	Finding:	257.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	23-FEB-15	Finding:	111.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	2.9
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	96.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	59.3
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	139.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	592.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L

Dlr:	0.		
Sample date:	23-FEB-15	Finding:	404.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	331.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	7.3
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	1350.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	25.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	26-JAN-15	Finding:	4.3
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	26-JAN-15	Finding:	2.5
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-JAN-15	Finding:	51.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-JAN-15	Finding:	1.7
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-JAN-15	Finding:	15.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-JAN-15	Finding:	4.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	26-JAN-15	Finding:	25.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	26-JAN-15	Finding:	16.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	22-DEC-14	Finding:	2.1
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-DEC-14	Finding:	45.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	22-DEC-14	Finding:	1.6
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-DEC-14	Finding:	14.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-DEC-14	Finding:	4.4
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	22-DEC-14	Finding:	4.4
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	24-NOV-14	Finding:	2.5
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-NOV-14	Finding:	47.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-NOV-14	Finding:	1.6
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-NOV-14	Finding:	15.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-NOV-14	Finding:	4.8
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	24-NOV-14	Finding:	4.8
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	27-OCT-14	Finding:	2.2
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-OCT-14	Finding:	4.2
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	27-OCT-14	Finding:	26.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	27-OCT-14	Finding:	38.
Chemical:	SILICA	Report units:	MG/L
Dlr:	0.		
Sample date:	27-OCT-14	Finding:	4.2
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-OCT-14	Finding:	16.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	27-OCT-14	Finding:	1.8
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-OCT-14	Finding:	42.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-SEP-14	Finding:	1.6
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-SEP-14	Finding:	4.
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	22-SEP-14	Finding:	39.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-SEP-14	Finding:	1.4
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-SEP-14	Finding:	14.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-SEP-14	Finding:	4.
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	25-AUG-14	Finding:	14.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-AUG-14	Finding:	1.4
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-AUG-14	Finding:	39.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-AUG-14	Finding:	3.6
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	25-AUG-14	Finding:	3.6
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	25-AUG-14	Finding:	1.9
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-JUL-14	Finding:	26.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

Sample date:	28-JUL-14	Finding:	3.6
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	28-JUL-14	Finding:	13.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-JUL-14	Finding:	1.2
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-JUL-14	Finding:	34.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-JUL-14	Finding:	1.6
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-JUL-14	Finding:	16.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	28-JUL-14	Finding:	3.6
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	23-JUN-14	Finding:	2.2
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-JUN-14	Finding:	44.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-JUN-14	Finding:	1.6
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-JUN-14	Finding:	16.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-JUN-14	Finding:	4.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	23-JUN-14	Finding:	4.1
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	27-MAY-14	Finding:	15.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-MAY-14	Finding:	4.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-MAY-14	Finding:	1.5
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	27-MAY-14	Finding:	4.3
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	27-MAY-14	Finding:	2.1
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-MAY-14	Finding:	37.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-APR-14	Finding:	16.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	28-APR-14	Finding:	14.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-APR-14	Finding:	1.4
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-APR-14	Finding:	40.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-APR-14	Finding:	1.8
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-APR-14	Finding:	4.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	28-APR-14	Finding:	27.2
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	28-APR-14	Finding:	4.1
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	24-MAR-14	Finding:	14.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-MAR-14	Finding:	1.2
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-MAR-14	Finding:	38.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-MAR-14	Finding:	2.1
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	24-MAR-14	Finding:	4.1
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	24-MAR-14	Finding:	4.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	24-FEB-14	Finding:	2.2
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-FEB-14	Finding:	39.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-FEB-14	Finding:	4.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	24-FEB-14	Finding:	14.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-FEB-14	Finding:	1.3
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-JAN-14	Finding:	1.2
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-JAN-14	Finding:	13.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-JAN-14	Finding:	4.2
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-JAN-14	Finding:	35.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-JAN-14	Finding:	27.2
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	27-JAN-14	Finding:	13.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	27-JAN-14	Finding:	2.3
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-DEC-13	Finding:	32.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-DEC-13	Finding:	1.5
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	23-DEC-13	Finding:	15.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-DEC-13	Finding:	4.6
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	23-DEC-13	Finding:	2.8
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-NOV-13	Finding:	45.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-NOV-13	Finding:	1.4
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-NOV-13	Finding:	14.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-NOV-13	Finding:	4.4
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	25-NOV-13	Finding:	3.
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-OCT-13	Finding:	26.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	28-OCT-13	Finding:	3.4
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-OCT-13	Finding:	16.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	28-OCT-13	Finding:	4.5
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	28-OCT-13	Finding:	14.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-OCT-13	Finding:	1.4
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-OCT-13	Finding:	42.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	23-SEP-13	Finding:	57.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-SEP-13	Finding:	1.1
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-SEP-13	Finding:	3.2
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-SEP-13	Finding:	13.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-SEP-13	Finding:	4.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	26-AUG-13	Finding:	1.4
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-AUG-13	Finding:	12.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-AUG-13	Finding:	4.2
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	26-AUG-13	Finding:	6.
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dlr:	1.		
Sample date:	26-AUG-13	Finding:	0.14
Chemical:	RADIUM 226 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	26-AUG-13	Finding:	2.7
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-AUG-13	Finding:	46.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-AUG-13	Finding:	1.2
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-AUG-13	Finding:	13.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-AUG-13	Finding:	4.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	26-AUG-13	Finding:	1.83
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L

Dlr:	0.		
Sample date:	26-AUG-13	Finding:	3.86
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dlr:	3.		
Sample date:	26-AUG-13	Finding:	57.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-AUG-13	Finding:	2.8
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-AUG-13	Finding:	4.2
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	26-AUG-13	Finding:	0.4
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	26-AUG-13	Finding:	0.81
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	26-AUG-13	Finding:	1.7
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	22-JUL-13	Finding:	2.4
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-JUL-13	Finding:	29.6
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	22-JUL-13	Finding:	4.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	22-JUL-13	Finding:	14.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-JUL-13	Finding:	1.4
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-JUL-13	Finding:	48.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-JUL-13	Finding:	19.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	28-MAY-13	Finding:	49.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	28-MAY-13	Finding:	1.5
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-MAY-13	Finding:	14.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-MAY-13	Finding:	4.2
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	28-MAY-13	Finding:	2.9
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-APR-13	Finding:	1.4
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-APR-13	Finding:	50.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-APR-13	Finding:	27.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	22-APR-13	Finding:	19.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	22-APR-13	Finding:	14.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-APR-13	Finding:	2.5
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-APR-13	Finding:	4.2
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	25-MAR-13	Finding:	42.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-MAR-13	Finding:	1.8
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-MAR-13	Finding:	13.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-MAR-13	Finding:	4.5
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	25-MAR-13	Finding:	2.9
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	25-FEB-13	Finding:	4.5
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	25-FEB-13	Finding:	14.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-FEB-13	Finding:	1.3
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-FEB-13	Finding:	2.3
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-FEB-13	Finding:	48.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-JAN-13	Finding:	2.5
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-JAN-13	Finding:	28.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	28-JAN-13	Finding:	57.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-JAN-13	Finding:	1.6
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-JAN-13	Finding:	15.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-JAN-13	Finding:	4.8
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	28-JAN-13	Finding:	20.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	24-DEC-12	Finding:	51.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-DEC-12	Finding:	1.7
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-DEC-12	Finding:	16.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	24-DEC-12	Finding:	4.8
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	24-DEC-12	Finding:	2.4
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-NOV-12	Finding:	20.6
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	26-NOV-12	Finding:	4.17
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	26-NOV-12	Finding:	139.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	26-NOV-12	Finding:	2.9
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-NOV-12	Finding:	63.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-NOV-12	Finding:	2.2
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-NOV-12	Finding:	15.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-NOV-12	Finding:	5.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	26-NOV-12	Finding:	27.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	22-OCT-12	Finding:	18.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	22-OCT-12	Finding:	4.9
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	22-OCT-12	Finding:	16.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-OCT-12	Finding:	1.9
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-OCT-12	Finding:	59.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	22-OCT-12	Finding:	2.5
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-SEP-12	Finding:	2.2
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-SEP-12	Finding:	2.7
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-SEP-12	Finding:	15.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-SEP-12	Finding:	56.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-SEP-12	Finding:	5.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-AUG-12	Finding:	329.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	401.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	572.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	136.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	57.8
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	91.4
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	2.9
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	111.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	239.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		

Sample date:	27-AUG-12	Finding:	0.33
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	27-AUG-12	Finding:	5.4
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-AUG-12	Finding:	14.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-AUG-12	Finding:	1.8
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-AUG-12	Finding:	58.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-AUG-12	Finding:	923.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	27.2
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	27-AUG-12	Finding:	2.6
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-AUG-12	Finding:	5.e-002
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	27-AUG-12	Finding:	4.5
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-AUG-12	Finding:	15.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-AUG-12	Finding:	1.8
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-AUG-12	Finding:	56.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-AUG-12	Finding:	2.2
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-AUG-12	Finding:	4.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	1383.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US

Dlr:	0.		
Sample date:	27-AUG-12	Finding:	7.06
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	23-JUL-12	Finding:	2.
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-JUL-12	Finding:	53.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-JUL-12	Finding:	2.9
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-JUL-12	Finding:	5.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	23-JUL-12	Finding:	13.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JUN-12	Finding:	5.2
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	25-JUN-12	Finding:	14.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JUN-12	Finding:	1.7
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JUN-12	Finding:	62.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JUN-12	Finding:	2.5
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	29-MAY-12	Finding:	4.8
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	29-MAY-12	Finding:	14.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	29-MAY-12	Finding:	1.8
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	29-MAY-12	Finding:	52.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	29-MAY-12	Finding:	2.3
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	29-MAY-12	Finding:	27.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	23-APR-12	Finding:	61.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-APR-12	Finding:	1.8
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-APR-12	Finding:	13.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	23-APR-12	Finding:	5.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	23-APR-12	Finding:	13.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-APR-12	Finding:	2.4
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-MAR-12	Finding:	49.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-MAR-12	Finding:	1.8
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-MAR-12	Finding:	12.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-MAR-12	Finding:	5.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	26-MAR-12	Finding:	2.4
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-FEB-12	Finding:	14.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-FEB-12	Finding:	2.1
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-FEB-12	Finding:	1.7
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	27-FEB-12	Finding:	59.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-FEB-12	Finding:	27.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	27-FEB-12	Finding:	5.
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	30-JAN-12	Finding:	11.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	24-JAN-12	Finding:	24.2
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	24-JAN-12	Finding:	56.5
Chemical:	BARIUM	Report units:	UG/L
Dlr:	100.		
Sample date:	24-JAN-12	Finding:	4.5
Chemical:	VANADIUM	Report units:	UG/L
Dlr:	3.		
Sample date:	24-JAN-12	Finding:	7.4
Chemical:	ALUMINUM	Report units:	UG/L
Dlr:	50.		
Sample date:	24-JAN-12	Finding:	5.
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	24-JAN-12	Finding:	1.9
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-JAN-12	Finding:	46.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-JAN-12	Finding:	2.2
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-JAN-12	Finding:	13.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

7
East
1/4 - 1/2 Mile
Higher

CA WELLS **2993**

Seq:	2993	Prim sta c:	02S/15W-04C02 S
Frds no:	1910146015	County:	19

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District:	07	User id:	4TH
System no:	1910146	Water type:	G
Source nam:	SANTA MONICA WELL 03	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340200.0	Longitude:	1182700.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910146	System nam:	SANTA MONICA-CITY, WATER DIVISION
Hqname:	Not Reported	Address:	1212 FIFTH ST., 3RD FLOOR
City:	SANTA MONICA	State:	CA
Zip:	90401	Zip ext:	Not Reported
Pop serv:	86905	Connection:	15905
Area serve:	SANTA MONICA		

Sample date:	05-MAR-18	Finding:	2.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	05-MAR-18	Finding:	4.3
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	05-MAR-18	Finding:	4.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	05-MAR-18	Finding:	1.5
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		

Sample date:	05-MAR-18	Finding:	7.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	05-FEB-18	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	05-FEB-18	Finding:	8.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	05-FEB-18	Finding:	1.7
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		

Sample date:	02-JAN-18	Finding:	1.1
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		

Sample date:	02-JAN-18	Finding:	3.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	02-JAN-18	Finding:	8.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	02-JAN-18	Finding:	1.1

Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	02-JAN-18	Finding:	4.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	04-DEC-17	Finding:	1.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	04-DEC-17	Finding:	8.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-DEC-17	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-NOV-17	Finding:	1.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	06-NOV-17	Finding:	8.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-NOV-17	Finding:	3.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-OCT-17	Finding:	5.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-OCT-17	Finding:	1.1
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	02-OCT-17	Finding:	1.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	02-OCT-17	Finding:	7.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-OCT-17	Finding:	3.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-SEP-17	Finding:	1.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	05-SEP-17	Finding:	6.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-SEP-17	Finding:	2.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	28-AUG-17	Finding:	6.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-AUG-17	Finding:	2.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-AUG-17	Finding:	1.
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	28-AUG-17	Finding:	1.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	28-AUG-17	Finding:	6.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-AUG-17	Finding:	2.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-JUL-17	Finding:	4.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	24-JUL-17	Finding:	5.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-JUL-17	Finding:	2.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-JUN-17	Finding:	1.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	26-JUN-17	Finding:	7.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-JUN-17	Finding:	3.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-MAY-17	Finding:	6.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-MAY-17	Finding:	2.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-APR-17	Finding:	1.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-APR-17	Finding:	7.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	27-APR-17	Finding:	3.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-APR-17	Finding:	1.1
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	24-APR-17	Finding:	5.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	27-MAR-17	Finding:	1.2
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-MAR-17	Finding:	6.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-MAR-17	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-FEB-17	Finding:	1.2
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-FEB-17	Finding:	7.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-FEB-17	Finding:	3.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-JAN-17	Finding:	4.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	23-JAN-17	Finding:	1.2
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	23-JAN-17	Finding:	2.
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	23-JAN-17	Finding:	6.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-JAN-17	Finding:	2.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-DEC-16	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	26-DEC-16	Finding:	6.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-DEC-16	Finding:	1.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	28-NOV-16	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-NOV-16	Finding:	6.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-NOV-16	Finding:	1.7
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	24-OCT-16	Finding:	5.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	24-OCT-16	Finding:	1.7
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	24-OCT-16	Finding:	7.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-OCT-16	Finding:	3.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-OCT-16	Finding:	1.4
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	26-SEP-16	Finding:	7.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-SEP-16	Finding:	3.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-SEP-16	Finding:	1.8
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	22-AUG-16	Finding:	2.8
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	22-AUG-16	Finding:	2.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	22-AUG-16	Finding:	9.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	22-AUG-16	Finding:	0.6
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-AUG-16	Finding:	3.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-AUG-16	Finding:	2.8
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	22-AUG-16	Finding:	7.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-AUG-16	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JUL-16	Finding:	6.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	25-JUL-16	Finding:	1.4
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	25-JUL-16	Finding:	1.6
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	25-JUL-16	Finding:	8.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JUL-16	Finding:	3.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-JUN-16	Finding:	1.6
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-JUN-16	Finding:	9.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-JUN-16	Finding:	3.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-MAY-16	Finding:	2.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-MAY-16	Finding:	6.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	28-APR-16	Finding:	4.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	25-APR-16	Finding:	1.3
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	25-APR-16	Finding:	3.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-APR-16	Finding:	10.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-APR-16	Finding:	1.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	28-MAR-16	Finding:	4.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-MAR-16	Finding:	1.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	28-MAR-16	Finding:	11.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-FEB-16	Finding:	3.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-FEB-16	Finding:	9.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-FEB-16	Finding:	1.2
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	22-FEB-16	Finding:	5.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	25-JAN-16	Finding:	1.2
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	25-JAN-16	Finding:	3.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JAN-16	Finding:	9.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JAN-16	Finding:	1.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L

Dlr:	1.		
Sample date:	25-JAN-16	Finding:	5.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	28-DEC-15	Finding:	3.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-DEC-15	Finding:	11.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-DEC-15	Finding:	1.4
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	30-NOV-15	Finding:	3.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	30-NOV-15	Finding:	11.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	30-NOV-15	Finding:	1.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	26-OCT-15	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-OCT-15	Finding:	1.4
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	26-OCT-15	Finding:	4.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	26-OCT-15	Finding:	11.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-SEP-15	Finding:	1.4
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	28-SEP-15	Finding:	13.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-SEP-15	Finding:	1.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-SEP-15	Finding:	0.29
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		

Sample date:	28-SEP-15	Finding:	8.
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dlr:	1.		
Sample date:	28-SEP-15	Finding:	14.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-SEP-15	Finding:	1.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-SEP-15	Finding:	0.69
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	27-JUL-15	Finding:	1.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-JUL-15	Finding:	13.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-JUL-15	Finding:	1.6
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	27-JUL-15	Finding:	3.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-JUL-15	Finding:	21.7
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	22-JUN-15	Finding:	1.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	22-JUN-15	Finding:	3.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-JUN-15	Finding:	13.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-MAY-15	Finding:	1.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	26-MAY-15	Finding:	3.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-MAY-15	Finding:	12.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-APR-15	Finding:	1.2
Chemical:	CHLOROFORM (THM)	Report units:	UG/L

Dlr:	1.		
Sample date:	27-APR-15	Finding:	13.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-APR-15	Finding:	1.3
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	27-APR-15	Finding:	20.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	27-APR-15	Finding:	3.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-MAR-15	Finding:	1.2
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	23-MAR-15	Finding:	3.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-MAR-15	Finding:	14.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-FEB-15	Finding:	1298.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	440.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	23-FEB-15	Finding:	339.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	414.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	606.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	145.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	63.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	74.8
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		

Sample date:	23-FEB-15	Finding:	2.6
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	90.2
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	267.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	23-FEB-15	Finding:	0.37
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	23-FEB-15	Finding:	51.6
Chemical:	BARIUM	Report units:	UG/L
Dlr:	100.		
Sample date:	23-FEB-15	Finding:	2.2
Chemical:	CHROMIUM (TOTAL)	Report units:	UG/L
Dlr:	10.		
Sample date:	23-FEB-15	Finding:	30.8
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	23-FEB-15	Finding:	5.5
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	23-FEB-15	Finding:	8.6
Chemical:	MOLYDBENDUM	Report units:	UG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	4.4
Chemical:	VANADIUM	Report units:	UG/L
Dlr:	3.		
Sample date:	23-FEB-15	Finding:	1.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	23-FEB-15	Finding:	16.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-FEB-15	Finding:	3.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-FEB-15	Finding:	931.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	0.22
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	23-FEB-15	Finding:	7.4
Chemical:	PH, LABORATORY	Report units:	Not Reported

Dlr:	0.		
Sample date:	26-JAN-15	Finding:	1.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	26-JAN-15	Finding:	1.2
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	26-JAN-15	Finding:	2.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-JAN-15	Finding:	1.1
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	26-JAN-15	Finding:	16.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-DEC-14	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-DEC-14	Finding:	15.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-DEC-14	Finding:	1.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	22-DEC-14	Finding:	1.1
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	24-NOV-14	Finding:	1.1
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	24-NOV-14	Finding:	2.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-NOV-14	Finding:	18.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-NOV-14	Finding:	1.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-OCT-14	Finding:	36.
Chemical:	SILICA	Report units:	MG/L
Dlr:	0.		
Sample date:	27-OCT-14	Finding:	1.4
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		

Sample date:	27-OCT-14	Finding:	0.93
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	27-OCT-14	Finding:	1.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-OCT-14	Finding:	17.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-OCT-14	Finding:	20.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	22-SEP-14	Finding:	1.
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	22-SEP-14	Finding:	0.92
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-SEP-14	Finding:	16.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-AUG-14	Finding:	0.81
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	25-AUG-14	Finding:	0.62
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-AUG-14	Finding:	1.9
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	25-AUG-14	Finding:	1.9
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	25-AUG-14	Finding:	18.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-APR-13	Finding:	28.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	22-APR-13	Finding:	6.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-APR-13	Finding:	11.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-APR-13	Finding:	2.4
Chemical:	CHLOROFORM (THM)	Report units:	UG/L

Dlr:	1.		
Sample date:	22-APR-13	Finding:	6.6
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	25-MAR-13	Finding:	2.5
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	25-MAR-13	Finding:	5.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-MAR-13	Finding:	11.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-FEB-13	Finding:	6.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-FEB-13	Finding:	13.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-FEB-13	Finding:	2.5
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	28-JAN-13	Finding:	7.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-JAN-13	Finding:	15.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-JAN-13	Finding:	2.7
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	28-JAN-13	Finding:	29.2
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	28-JAN-13	Finding:	6.2
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	24-DEC-12	Finding:	7.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-DEC-12	Finding:	2.8
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	24-DEC-12	Finding:	16.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	26-NOV-12	Finding:	29.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	26-NOV-12	Finding:	2.9
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	26-NOV-12	Finding:	15.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-NOV-12	Finding:	0.6
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-NOV-12	Finding:	7.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-OCT-12	Finding:	8.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-OCT-12	Finding:	0.6
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-OCT-12	Finding:	17.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-OCT-12	Finding:	3.
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	22-OCT-12	Finding:	7.9
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	24-SEP-12	Finding:	8.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-SEP-12	Finding:	0.8
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-SEP-12	Finding:	16.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-SEP-12	Finding:	3.
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-AUG-12	Finding:	15.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-AUG-12	Finding:	0.68
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	27-AUG-12	Finding:	7.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-AUG-12	Finding:	2.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	1258.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	7.2
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	311.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	379.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	534.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	129.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	52.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	77.6
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	2.4
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	84.4
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	229.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	27-AUG-12	Finding:	0.33
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	27-AUG-12	Finding:	3.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		

Sample date:	27-AUG-12	Finding:	14.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-AUG-12	Finding:	7.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-AUG-12	Finding:	848.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	28.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	27-AUG-12	Finding:	9.e-002
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	27-AUG-12	Finding:	2.5
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	23-JUL-12	Finding:	7.2
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	23-JUL-12	Finding:	11.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-JUL-12	Finding:	0.6
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-JUL-12	Finding:	6.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-JUL-12	Finding:	2.9
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	25-JUN-12	Finding:	14.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JUN-12	Finding:	3.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	25-JUN-12	Finding:	8.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	29-MAY-12	Finding:	3.
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	29-MAY-12	Finding:	13.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	29-MAY-12	Finding:	0.6
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	29-MAY-12	Finding:	32.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	29-MAY-12	Finding:	7.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-APR-12	Finding:	7.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-APR-12	Finding:	0.7
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-APR-12	Finding:	14.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-APR-12	Finding:	4.3
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	23-APR-12	Finding:	3.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	23-APR-12	Finding:	0.6
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-MAR-12	Finding:	0.6
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-MAR-12	Finding:	0.7
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-MAR-12	Finding:	14.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-MAR-12	Finding:	3.2
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	26-MAR-12	Finding:	7.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-FEB-12	Finding:	8.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	27-FEB-12	Finding:	29.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	27-FEB-12	Finding:	3.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-FEB-12	Finding:	16.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	30-JAN-12	Finding:	4.2
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	24-JAN-12	Finding:	3.1
Chemical:	CHROMIUM (TOTAL)	Report units:	UG/L
Dlr:	10.		
Sample date:	24-JAN-12	Finding:	49.2
Chemical:	BARIUM	Report units:	UG/L
Dlr:	100.		
Sample date:	24-JAN-12	Finding:	4.6
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	24-JAN-12	Finding:	5.
Chemical:	VANADIUM	Report units:	UG/L
Dlr:	3.		
Sample date:	24-JAN-12	Finding:	3.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	24-JAN-12	Finding:	13.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-JAN-12	Finding:	7.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-JAN-12	Finding:	0.6
Chemical:	CIS-1,2-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-JAN-12	Finding:	0.6
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

8
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CADW60000036070**

Objectid:	36070	Latitude:	34.029887
Longitude:	-118.466023	Site code:	340300N1184683W007
State well numbe:	Not Reported	Local well name:	'GW-20-6'
Well use id:	1	Well use descrip:	Observation

County id:	19	County name:	Los Angeles
Basin code:	'4-11.01'	Basin desc:	Santa Monica
Dwr region id:	80238	Dwr region:	Southern Region Office
Site id:	CADW60000036070		

C9
West
1/4 - 1/2 Mile
Higher

CA WELLS 1510

Seq:	1510	Prim sta c:	01S/15W-32A05 S
Frds no:	1910146003	County:	19
District:	07	User id:	4TH
System no:	1910146	Water type:	G
Source nam:	ARCADIA WELL 04	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340200.0	Longitude:	1182800.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910146	System nam:	SANTA MONICA-CITY, WATER DIVISION
Hqname:	Not Reported	Address:	1212 FIFTH ST., 3RD FLOOR
City:	SANTA MONICA	State:	CA
Zip:	90401	Zip ext:	Not Reported
Pop serv:	86905	Connection:	15905
Area serve:	SANTA MONICA		

Sample date:	05-MAR-18	Finding:	4.3
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	05-MAR-18	Finding:	4.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	02-OCT-17	Finding:	19.1
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		

Sample date:	02-OCT-17	Finding:	6.8
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		

Sample date:	28-AUG-17	Finding:	0.67
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		

Sample date:	24-JUL-17	Finding:	27.4
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		

Sample date:	24-JUL-17	Finding:	4.2
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		

Sample date:	24-APR-17	Finding:	4.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	24-APR-17	Finding:	0.7
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	24-APR-17	Finding:	25.3
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	16-MAR-16	Finding:	4.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	26-OCT-15	Finding:	81.5
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	24-AUG-15	Finding:	0.81
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	24-FEB-15	Finding:	21.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	24-FEB-15	Finding:	490.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	23-FEB-15	Finding:	321.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	517.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	118.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	50.8
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	72.8
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	2.7
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	115.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	192.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	23-FEB-15	Finding:	0.31
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L

Dlr:	0.1		
Sample date:	23-FEB-15	Finding:	67.
Chemical:	BARIUM	Report units:	UG/L
Dlr:	100.		
Sample date:	23-FEB-15	Finding:	2.1
Chemical:	CHROMIUM (TOTAL)	Report units:	UG/L
Dlr:	10.		
Sample date:	23-FEB-15	Finding:	59.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	23-FEB-15	Finding:	3.1
Chemical:	MOLYDBENDUM	Report units:	UG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	790.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	0.51
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	23-FEB-15	Finding:	263.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	1162.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	23-FEB-15	Finding:	7.1
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-AUG-14	Finding:	0.75
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	29-OCT-13	Finding:	21.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	26-AUG-13	Finding:	0.78
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	26-AUG-13	Finding:	1.5
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	26-AUG-13	Finding:	1.05
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	26-AUG-13	Finding:	0.42
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dlr:	0.		

Sample date:	26-AUG-13	Finding:	0.7
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	22-JUL-13	Finding:	21.7
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	22-JUL-13	Finding:	26.6
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	22-APR-13	Finding:	0.209
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	22-APR-13	Finding:	33.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	22-APR-13	Finding:	1.6e-002
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	28-JAN-13	Finding:	20.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	28-JAN-13	Finding:	9.8
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	28-JAN-13	Finding:	30.8
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	24-SEP-12	Finding:	3.9
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	24-SEP-12	Finding:	24.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	24-SEP-12	Finding:	88.8
Chemical:	BARIUM	Report units:	UG/L
Dlr:	100.		
Sample date:	24-SEP-12	Finding:	20.7
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	24-SEP-12	Finding:	1.1
Chemical:	BROMOFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	24-SEP-12	Finding:	2.3
Chemical:	SILVER	Report units:	UG/L
Dlr:	10.		
Sample date:	27-AUG-12	Finding:	188.
Chemical:	SULFATE	Report units:	MG/L

Dlr:	0.5		
Sample date:	27-AUG-12	Finding:	0.3
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	27-AUG-12	Finding:	776.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	0.23
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	27-AUG-12	Finding:	117.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	2.6
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	73.8
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	48.4
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	115.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	491.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	327.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	268.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	1173.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	27-AUG-12	Finding:	7.16
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		

C10
West
1/4 - 1/2 Mile
Higher

CA WELLS 1513

Seq:	1513	Prim sta c:	01S/15W-33D04 S
Frds no:	1910146002	County:	19

District:	07	User id:	4TH
System no:	1910146	Water type:	G
Source nam:	ARCADIA WELL 03 - DESTROYED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340200.0	Longitude:	1182800.0
Precision:	8	Status:	DS
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910146	System nam:	SANTA MONICA-CITY, WATER DIVISION
Hqname:	Not Reported	Address:	1212 FIFTH ST., 3RD FLOOR
City:	SANTA MONICA	State:	CA
Zip:	90401	Zip ext:	Not Reported
Pop serv:	86905	Connection:	15905
Area serve:	SANTA MONICA		

C11
West
1/4 - 1/2 Mile
Higher

CA WELLS 22904

Seq:	22904	Prim sta c:	G19/146-VOAEEF1
Frds no:	1910146021	County:	19
District:	07	User id:	4TH
System no:	1910146	Water type:	G
Source nam:	ARCADIA TREATMENT PLANT - TREATED	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	340200.0	Longitude:	1182800.0
Precision:	5	Status:	CT
Comment 1:	TDS REDUCTION AND VOC REMOVAL	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910146	System nam:	SANTA MONICA-CITY, WATER DIVISION
Hqname:	Not Reported	Address:	1212 FIFTH ST., 3RD FLOOR
City:	SANTA MONICA	State:	CA
Zip:	90401	Zip ext:	Not Reported
Pop serv:	86905	Connection:	15905
Area serve:	SANTA MONICA		

12
SW
1/2 - 1 Mile
Lower

FED USGS USGS40000139894

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S015W04E002S	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:	310
Well Depth Units:	ft	Well Hole Depth:	480
Well Hole Depth Units:	ft		

Map ID Direction Distance Elevation	Database	EDR ID Number
13 **WSW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CADW60000036111**

Objectid:	36111	Latitude:	34.03144
Longitude:	-118.468014	Site code:	340300N1184683W003
State well numbe:	Not Reported	Local well name:	'OB-7'
Well use id:	1	Well use descrip:	Observation
County id:	19	County name:	Los Angeles
Basin code:	'4-11.01'	Basin desc:	Santa Monica
Dwr region id:	80238	Dwr region:	Southern Region Office
Site id:	CADW60000036111		

D14 **SW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**1507**

Seq:	1507	Prim sta c:	01S/15W-04C01 S
Frds no:	1910146020	County:	19
District:	07	User id:	4TH
System no:	1910146	Water type:	G
Source nam:	SANTA MONICA WELL 07	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	340145.0	Longitude:	1182800.0
Precision:	3	Status:	AR
Comment 1:	CENTER MEDIAN STRIP OF OLYMPIC BLVD., 500' W OF STEWART ST., SANTA		
Comment 2:	MONICA CA	Comment 3:	Not Reported
Comment 4:	Not Reported	Comment 5:	Not Reported
Comment 6:	Not Reported	Comment 7:	Not Reported
System no:	1910146	System nam:	SANTA MONICA-CITY, WATER DIVISION
Hqname:	Not Reported	Address:	1212 FIFTH ST., 3RD FLOOR
City:	SANTA MONICA	State:	CA
Zip:	90401	Zip ext:	Not Reported
Pop serv:	86905	Connection:	15905
Area serve:	SANTA MONICA		

D15 **SW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADW60000036113**

Objectid:	36113	Latitude:	34.028829
Longitude:	-118.467383	Site code:	340300N1184263W002
State well numbe:	Not Reported	Local well name:	'MW-11'
Well use id:	1	Well use descrip:	Observation
County id:	19	County name:	Los Angeles
Basin code:	'4-11.01'	Basin desc:	Santa Monica
Dwr region id:	80238	Dwr region:	Southern Region Office
Site id:	CADW60000036113		

Map ID Direction Distance Elevation	Database	EDR ID Number
16 **NW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**14092**

Seq:	14092	Prim sta c:	1900703-001
Frds no:	1900703001	County:	19
District:	15	User id:	MET
System no:	1900703	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT
Latitude:	340220.0	Longitude:	1182800.0
Precision:	5	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1900703	System nam:	SANTA MONICA MOUNTAINS CONSERVANCY -
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	25	Connection:	0
Area serve:	Not Reported		

---

17 **SW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**2995**

Seq:	2995	Prim sta c:	02S/15W-05H01 S
Frds no:	1910146014	County:	19
District:	07	User id:	4TH
System no:	1910146	Water type:	G
Source nam:	SANTA MONICA WELL 02A - INACTIVE	Station ty:	WELL/AMBNT
Latitude:	340138.0	Longitude:	1182801.0
Precision:	3	Status:	IR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910146	System nam:	SANTA MONICA-CITY, WATER DIVISION
Hqname:	Not Reported	Address:	1212 FIFTH ST., 3RD FLOOR
City:	SANTA MONICA	State:	CA
Zip:	90401	Zip ext:	Not Reported
Pop serv:	86905	Connection:	15905
Area serve:	SANTA MONICA		

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18 **WSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADW60000036069**

Objectid:	36069	Latitude:	34.029141
Longitude:	-118.469727	Site code:	340300N1184683W006
State well numbe:	Not Reported	Local well name:	'GW-19-5'
Well use id:	1	Well use descrip:	Observation
County id:	19	County name:	Los Angeles

Basin code:	'4-11.01'	Basin desc:	Santa Monica
Dwr region id:	80238	Dwr region:	Southern Region Office
Site id:	CADW60000036069		

19
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADW60000036066**

Objectid:	36066	Latitude:	34.030364
Longitude:	-118.471022	Site code:	340300N1184683W002
State well numbe:	Not Reported	Local well name:	'OB-4'
Well use id:	1	Well use descrip:	Observation
County id:	19	County name:	Los Angeles
Basin code:	'4-11.01'	Basin desc:	Santa Monica
Dwr region id:	80238	Dwr region:	Southern Region Office
Site id:	CADW60000036066		

20
NNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000140029**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S015W32A005S	Type:	Well
Description:	Not Reported	HUC:	18070105
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:	218
Well Depth Units:	ft	Well Hole Depth:	235
Well Hole Depth Units:	ft		

21
West
1/2 - 1 Mile
Lower

CA WELLS **CADW60000036110**

Objectid:	36110	Latitude:	34.031798
Longitude:	-118.473111	Site code:	340300N1184683W001
State well numbe:	Not Reported	Local well name:	'OB-5'
Well use id:	1	Well use descrip:	Observation
County id:	19	County name:	Los Angeles
Basin code:	'4-11.01'	Basin desc:	Santa Monica
Dwr region id:	80238	Dwr region:	Southern Region Office
Site id:	CADW60000036110		

22
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADW60000036068**

Objectid:	36068	Latitude:	34.028051
Longitude:	-118.473689	Site code:	340300N1184683W005
State well numbe:	Not Reported	Local well name:	'OB-6C'

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well use id:	1	Well use descrip:	Observation
County id:	19	County name:	Los Angeles
Basin code:	'4-11.01'	Basin desc:	Santa Monica
Dwr region id:	80238	Dwr region:	Southern Region Office
Site id:	CADW60000036068		

1G
SSW
1/8 - 1/4 Mile
Lower

Site ID:	900570061	**AQUIFLOW**	**55200**
Groundwater Flow:	Not Reported		
Shallow Water Depth:	8.37		
Deep Water Depth:	12		
Average Water Depth:	Not Reported		
Date:	08/07/1996		

Map ID Direction Distance	Database	EDR ID Number
1 **SW** **1/8 - 1/4 Mile**	**OIL_GAS**	**CAOG11000204881**

Districtnu:	1	Apinumber:	03705734
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	Y	Wellstatus:	P
Operatorna:	Occidental Petroleum Corporation	Countyname:	Los Angeles
Fieldname:	Any Field	Areaname:	Any Area
Section:	4	Township:	02S
Range:	15W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Centinela Eh	Wellnumber:	1
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:	CAOG11000204881		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90025	94	6

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.

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 E

Noise Report

Construction Noise Modeling
Input / Output Files

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 10/10/2019
Case Description: LADWP West Yard_ Demolition

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Nearest Receiver 75'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	75	0
Concrete Saw	No	20		89.6	100	0
Concrete Saw	No	20		89.6	150	0
Excavator	No	40		80.7	85	0
Excavator	No	40		80.7	150	0
Excavator	No	40		80.7	300	0
Dozer	No	40		81.7	200	0
Dozer	No	40		81.7	250	0
Dozer	No	40		81.7	125	0
Dozer	No	40		81.7	300	0

Equipment	Calculated (dBA) *Lmax	Leq	Results Noise Limits (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq
Concrete Saw	86.1	79.1	N/A	N/A	N/A	N/A
Concrete Saw	83.6	76.6	N/A	N/A	N/A	N/A
Concrete Saw	80	73	N/A	N/A	N/A	N/A
Excavator	76.1	72.1	N/A	N/A	N/A	N/A
Excavator	71.2	67.2	N/A	N/A	N/A	N/A
Excavator	65.1	61.2	N/A	N/A	N/A	N/A
Dozer	69.6	65.6	N/A	N/A	N/A	N/A
Dozer	67.7	63.7	N/A	N/A	N/A	N/A
Dozer	73.7	69.7	N/A	N/A	N/A	N/A
Dozer	66.1	62.1	N/A	N/A	N/A	N/A
Total	86.1	82.7	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Typical Receiver 300'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	300	0
Concrete Saw	No	20		89.6	300	0
Concrete Saw	No	20		89.6	300	0
Excavator	No	40		80.7	300	0
Excavator	No	40		80.7	300	0
Excavator	No	40		80.7	300	0

Dozer	No	40	81.7	300	0
Dozer	No	40	81.7	300	0
Dozer	No	40	81.7	300	0
Dozer	No	40	81.7	300	0

	Results					
	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	74	67	N/A	N/A	N/A	N/A
Concrete Saw	74	67	N/A	N/A	N/A	N/A
Concrete Saw	74	67	N/A	N/A	N/A	N/A
Excavator	65.1	61.2	N/A	N/A	N/A	N/A
Excavator	65.1	61.2	N/A	N/A	N/A	N/A
Excavator	65.1	61.2	N/A	N/A	N/A	N/A
Dozer	66.1	62.1	N/A	N/A	N/A	N/A
Dozer	66.1	62.1	N/A	N/A	N/A	N/A
Dozer	66.1	62.1	N/A	N/A	N/A	N/A
Dozer	66.1	62.1	N/A	N/A	N/A	N/A
Total	74	74.1	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 10/10/2019
Case Description: LADWP West Yard_ Site Prepartion

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Receiver 75'	Residential	65	60	55

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Dozer	No	40		81.7	75	0
Dozer	No	40		81.7	100	0
Front End Loader	No	40		79.1	150	0
Tractor	No	40	84		200	0

	Results					
	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	78.1	74.2	N/A	N/A	N/A	N/A
Dozer	75.6	71.7	N/A	N/A	N/A	N/A
Front End Loader	69.6	65.6	N/A	N/A	N/A	N/A
Tractor	72	68	N/A	N/A	N/A	N/A
Total	78.1	77.1	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night

Typical Receiver 300'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	300	0
Dozer	No	40		81.7	300	0
Front End Loader	No	40		79.1	300	0
Tractor	No	40	84		300	0

Equipment	Calculated (dBA) *Lmax	Leq	Results Noise Limits (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq
Dozer	66.1	62.1	N/A	N/A	N/A	N/A
Dozer	66.1	62.1	N/A	N/A	N/A	N/A
Front End Loader	66.1	62.1	N/A	N/A	N/A	N/A
Tractor	68.4	64.5	N/A	N/A	N/A	N/A
Total	68.4	70.8	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 10/10/2019
Case Description: LADWP West Yard_ Grading 1_Shoring 1

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Nearest Receiver 75'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Drill Rig Truck	No	20		79.1	75	0
Crane	No	16		80.6	100	0

Equipment	Calculated (dBA) *Lmax	Leq	Results Noise Limits (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq
Drill Rig Truck	75.6	68.6	N/A	N/A	N/A	N/A
Crane	74.5	66.6	N/A	N/A	N/A	N/A
Total	75.6	70.7	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Typical Receiver 300'	Residential	65	60	55

	Equipment Spec	Actual	Receptor	Estimated

Description	Impact Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Drill Rig Truck	No	20		79.1	300	0
Crane	No	16		80.6	300	0

	Calculated (dBA)		Results			
			Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Drill Rig Truck	63.6	56.6	N/A	N/A	N/A	N/A
Crane	65	57	N/A	N/A	N/A	N/A
Total	65	59.8	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 10/10/2019
Case Description: LADWP West Yard_ Grading 2_Excavation

		Baselines (dBA)		---- Receptor #1 ----
Description	Land Use	Daytime	Evening	Night
Nearest Receiver 75'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	75	0
Excavator	No	40		80.7	100	0
Grader	No	40	85		150	0
Grader	No	40	85		85	0
Dozer	No	40		81.7	150	0
Dozer	No	40		81.7	200	0
Front End Loader	No	40		79.1	300	0
Front End Loader	No	40		79.1	250	0
Backhoe	No	40		77.6	250	0
Front End Loader	No	40		79.1	150	0
Tractor	No	40	84		100	0

	Calculated (dBA)		Results			
			Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	77.2	73.2	N/A	N/A	N/A	N/A
Excavator	74.7	70.7	N/A	N/A	N/A	N/A
Grader	75.5	71.5	N/A	N/A	N/A	N/A
Grader	80.4	76.4	N/A	N/A	N/A	N/A
Dozer	72.1	68.1	N/A	N/A	N/A	N/A
Dozer	69.6	65.6	N/A	N/A	N/A	N/A
Front End Loader	63.5	59.6	N/A	N/A	N/A	N/A
Front End Loader	65.1	61.2	N/A	N/A	N/A	N/A
Backhoe	63.6	59.6	N/A	N/A	N/A	N/A
Front End Loader	69.6	65.6	N/A	N/A	N/A	N/A

Tractor		78	74	N/A	N/A	N/A	N/A
	Total	80.4	81.2	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Typical Receiver 300'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	300	0
Excavator	No	40		80.7	300	0
Grader	No	40	85		300	0
Grader	No	40	85		300	0
Dozer	No	40		81.7	300	0
Dozer	No	40		81.7	300	0
Front End Loader	No	40		79.1	0	0
Front End Loader	No	40		79.1	0	0
Backhoe	No	40		77.6	0	0
Front End Loader	No	40		79.1	0	0
Tractor	No	40	84		0	0

Equipment	Calculated (dBA) *Lmax	Leq	Results Noise Limits (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq
Excavator	65.1	61.2	N/A	N/A	N/A	N/A
Excavator	69.4	65.5	N/A	N/A	N/A	N/A
Grader	66.1	62.1	N/A	N/A	N/A	N/A
Grader	68.4	64.5	N/A	N/A	N/A	N/A
Dozer	63.5	59.6	N/A	N/A	N/A	N/A
Dozer	62	58	N/A	N/A	N/A	N/A
Front End Loader		0		0		0
Front End Loader		0		0		0
Backhoe		0		0		0
Front End Loader		0		0		0
Tractor		0		0		0
Total	69.4	70.3	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 10/10/2019
Case Description: LADWP West Yard_ Grading 3_Shoring 2

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Nearest Receiver 75'	Residential	65	60	55

Impact	Equipment Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding

Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Drill Rig Truck	No	20		79.1	75	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Drill Rig Truck	75.6	68.6	N/A	N/A	N/A	N/A
Total	75.6	68.6	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Typical Receiver 300'	Residential	65	60	55

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Drill Rig Truck	No	20		79.1	300	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Drill Rig Truck	63.6	56.6	N/A	N/A	N/A	N/A
Total	63.6	56.6	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 43748
Case Description: LADWP West Yard_ Paving 1 Concrete Foundations

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Nearest Receiver 75'	Residential	65	60	55

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	75	0
Crane	No	16		80.6	100	0
Excavator	No	40		80.7	125	0
Excavator	No	40		80.7	200	0
Man Lift	No	20		74.7	300	0
Man Lift	No	20		74.7	150	0
Generator	No	50		80.6	350	0
Backhoe	No	40		77.6	150	0
Tractor	No	40	84		250	0
Welder / Torch	No	40		74	175	0

Results

		Calculated (dBA)		Noise Limits (dBA)			
				Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane		77	69.1	N/A	N/A	N/A	N/A
Crane		74.5	66.6	N/A	N/A	N/A	N/A
Excavator		72.8	68.8	N/A	N/A	N/A	N/A
Excavator		68.7	64.7	N/A	N/A	N/A	N/A
Man Lift		59.1	52.1	N/A	N/A	N/A	N/A
Man Lift		65.2	58.2	N/A	N/A	N/A	N/A
Generator		63.7	60.7	N/A	N/A	N/A	N/A
Backhoe		68	64	N/A	N/A	N/A	N/A
Tractor		70	66	N/A	N/A	N/A	N/A
Welder / Torch		63.1	59.1	N/A	N/A	N/A	N/A
	Total	77	75.1	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Typical Receiver 300'	Residential	65	60	55

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	300	0
Crane	No	16		80.6	300	0
Excavator	No	40		80.7	300	0
Excavator	No	40		80.7	300	0
Man Lift	No	20		74.7	300	0
Man Lift	No	20		74.7	300	0
Generator	No	50		80.6	300	0
Backhoe	No	40		77.6	300	0
Tractor	No	40	84		300	0
Welder / Torch	No	40		74	300	0

Results

		Calculated (dBA)		Noise Limits (dBA)			
				Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane		65	57	N/A	N/A	N/A	N/A
Crane		65	57	N/A	N/A	N/A	N/A
Excavator		65.1	61.2	N/A	N/A	N/A	N/A
Excavator		65.1	61.2	N/A	N/A	N/A	N/A
Man Lift		59.1	52.1	N/A	N/A	N/A	N/A
Man Lift		59.1	52.1	N/A	N/A	N/A	N/A
Generator		65.1	62.1	N/A	N/A	N/A	N/A
Backhoe		62	58	N/A	N/A	N/A	N/A
Tractor		68.4	64.5	N/A	N/A	N/A	N/A
Welder / Torch		58.4	54.5	N/A	N/A	N/A	N/A
	Total	68.4	69.7	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Report date: 10/10/2019
Case Description: LADWP West Yard_ Trenching

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Nearest Receiver 75'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	75	0
Blasting	Yes	1	94		125	0
Tractor	No	40	84		200	0

Results

Equipment	Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq
Excavator	77.2	73.2	N/A	N/A	N/A	N/A
Blasting	86	66	N/A	N/A	N/A	N/A
Tractor	72	68	N/A	N/A	N/A	N/A
Total	86	74.9	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Typical Receiver 300'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	300	0
Blasting	Yes	1	94		300	0
Tractor	No	40	84		300	0

Results

Equipment	Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq
Excavator	65.1	61.2	N/A	N/A	N/A	N/A
Blasting	78.4	58.4	N/A	N/A	N/A	N/A
Tractor	68.4	64.5	N/A	N/A	N/A	N/A
Total	78.4	66.8	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 10/10/2019
Case Description: LADWP West Yard_ Building Construction

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Nearest Receiver 75'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	75	0
Crane	No	16		80.6	100	0
Man Lift	No	20		74.7	150	0
Man Lift	No	20		74.7	250	0
Man Lift	No	20		74.7	200	0
Generator	No	50		80.6	125	0
Roller	No	20		80	250	0
Backhoe	No	40		77.6	350	0
Front End Loader	No	40		79.1	300	0
Tractor	No	40	84		400	0
Backhoe	No	40		77.6	175	0
Welder / Torch	No	40		74	350	0

Equipment	Calculated (dBA) *Lmax	Leq	Results Noise Limits (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq
Crane	77	69.1	N/A	N/A	N/A	N/A
Crane	74.5	66.6	N/A	N/A	N/A	N/A
Man Lift	65.2	58.2	N/A	N/A	N/A	N/A
Man Lift	60.7	53.7	N/A	N/A	N/A	N/A
Man Lift	62.7	55.7	N/A	N/A	N/A	N/A
Generator	72.7	69.7	N/A	N/A	N/A	N/A
Roller	66	59	N/A	N/A	N/A	N/A
Backhoe	60.7	56.7	N/A	N/A	N/A	N/A
Front End Loader	63.5	59.6	N/A	N/A	N/A	N/A
Tractor	65.9	62	N/A	N/A	N/A	N/A
Backhoe	66.7	62.7	N/A	N/A	N/A	N/A
Welder / Torch	57.1	53.1	N/A	N/A	N/A	N/A
Total	77	74.6	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Typical Receiver 300'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	300	0
Crane	No	16		80.6	300	0
Man Lift	No	20		74.7	300	0
Man Lift	No	20		74.7	300	0
Man Lift	No	20		74.7	300	0
Generator	No	50		80.6	300	0
Roller	No	20		80	300	0
Backhoe	No	40		77.6	300	0
Front End Loader	No	40		79.1	300	0

Tractor	No	40	84	300	0
Backhoe	No	40	77.6	300	0
Welder / Torch	No	40	74	300	0

	Results					
	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	65	57	N/A	N/A	N/A	N/A
Crane	65	57	N/A	N/A	N/A	N/A
Man Lift	59.1	52.1	N/A	N/A	N/A	N/A
Man Lift	59.1	52.1	N/A	N/A	N/A	N/A
Man Lift	59.1	52.1	N/A	N/A	N/A	N/A
Generator	65.1	62.1	N/A	N/A	N/A	N/A
Roller	64.4	57.4	N/A	N/A	N/A	N/A
Backhoe	62	58	N/A	N/A	N/A	N/A
Front End Loader	63.5	59.6	N/A	N/A	N/A	N/A
Tractor	68.4	64.5	N/A	N/A	N/A	N/A
Backhoe	62	58	N/A	N/A	N/A	N/A
Welder / Torch	58.4	54.5	N/A	N/A	N/A	N/A
Total	68.4	69.5	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 10/10/2019
Case Description: LADWP West Yard_ Paving 2 Concrete Paving

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Receiver 75'	Residential	65	60	55

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Concrete Mixer Truck	No	40		78.8	75	0
Concrete Mixer Truck	No	40		78.8	100	0
Grader	No	40	85		125	0
Roller	No	20		80	200	0
Roller	No	20		80	350	0
Front End Loader	No	40		79.1	150	0

	Results					
	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Mixer Truck	75.3	71.3	N/A	N/A	N/A	N/A
Concrete Mixer Truck	72.8	68.8	N/A	N/A	N/A	N/A
Grader	77	73.1	N/A	N/A	N/A	N/A
Roller	68	61	N/A	N/A	N/A	N/A
Roller	63.1	56.1	N/A	N/A	N/A	N/A
Front End Loader	69.6	65.6	N/A	N/A	N/A	N/A
Total	77	76.7	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Typical Receiver 300'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	300	0
Concrete Mixer Truck	No	40		78.8	300	0
Grader	No	40	85		300	0
Roller	No	20		80	300	0
Roller	No	20		80	300	0
Front End Loader	No	40		79.1	300	0

Results

Equipment	Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq
Concrete Mixer Truck	63.2	59.3	N/A	N/A	N/A	N/A
Concrete Mixer Truck	63.2	59.3	N/A	N/A	N/A	N/A
Grader	69.4	65.5	N/A	N/A	N/A	N/A
Roller	64.4	57.4	N/A	N/A	N/A	N/A
Roller	64.4	57.4	N/A	N/A	N/A	N/A
Front End Loader	63.5	59.6	N/A	N/A	N/A	N/A
Total	69.4	68.6	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 43748
Case Description: LADWP West Yard_ Architectural Coating

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Nearest Receiver 75'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	75	0

Results

Equipment	Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq
Compressor (air)	74.1	70.2	N/A	N/A	N/A	N/A
Total	74.1	70.2	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Typical Receiver 300'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	300	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	62.1	58.1	N/A	N/A	N/A	N/A
Total	62.1	58.1	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Traffic Noise Modeling
Input / Output Files

Dudek 1 November 2019
MG TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: 10649
RUN: LADWP West LA Yard - Exist Rev1019

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Bundy Drive north of Nebraska Avenue	50.0	point1	1	1,563.5	3,417.6	160.00				Average	
		point3	3	2,100.8	2,854.2	160.00					
Centinela Avenue north of Olympic Blvd	50.0	point24	24	1,744.5	1,133.9	160.00				Average	
		point16	16	1,075.3	1,827.2	160.00					
Nebraska Avenue west of Centinela Av	50.0	point26	26	555.5	1,316.5	160.00				Average	
		point19	19	1,076.2	1,832.1	160.00					
Centinela Ave s of Olympic Blvd	35.0	point32	32	2,247.4	1,169.1	160.00				Average	
		point22	22	2,413.1	527.1	160.00				Average	
		point2	2	3,401.1	21.0	160.00					
Bundy Drive south of Olympic Blvd	50.0	point33	33	3,404.0	1,493.1	160.00				Average	
		point5	5	4,447.4	390.7	160.00					
Centinela Avenue north of Nebraska Av	35.0	point36	36	1,069.6	1,832.9	160.00				Average	
		point17	17	292.4	2,636.3	160.00					
Nebraska Avenue east of Centinela Ave	50.0	point38	38	1,076.2	1,832.1	160.00				Average	
		point44	44	1,585.0	2,341.1	160.00					
Olympic Blvd west of Centinela Avenue	50.0	point40	40	1,741.9	1,122.3	160.00				Average	
		point14	14	622.3	849.8	160.00					
Olympic Blvd east of Bundy Drive	50.0	point28	28	4,274.0	1,683.0	160.00				Average	
		point11	11	3,403.7	1,499.3	160.00					
Olympic Blvd east of Centinela Avenue	50.0	point41	41	3,403.7	1,499.3	160.00				Average	
		point39	39	2,214.0	1,236.9	160.00				Average	
		point13	13	1,741.9	1,122.3	160.00					
Bundy Drive south of Nebraska Avenue	50.0	point43	43	2,100.8	2,854.2	160.00				Average	
		point4	4	3,396.3	1,502.1	160.00					
Nebraska Avenue west of Bundy Drive	50.0	point45	45	1,585.0	2,341.1	160.00				Average	

		point20	20	2,093.9	2,850.1	160.00					

Dudek 1 November 2
MG TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Percentages
PROJECT/CONTRACT: 10649
RUN: LADWP West LA Yard - Exist Rev1019

Roadway	Points												
Name	Name	No.	Segment										
			Total	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			Volume	P	S	P	S	P	S	P	S	P	S
			veh/hr	%	mph	%	mph	%	mph	%	mph	%	mph
Bundy Drive north of Nebraska Avenue	point1	1	2425	97	35	2	35	1	35	0	0	0	0
	point3	3											
Centinela Avenue north of Olympic Blvd	point24	24	1740	97	30	2	30	1	30	0	0	0	0
	point16	16											
Nebraska Avenue west of Centinela Av	point26	26	561	97	25	2	25	1	25	0	0	0	0
	point19	19											
Centinela Ave s of Olympic Blvd	point32	32	1459	97	30	2	30	1	30	0	0	0	0
	point22	22	1433	97	30	2	30	1	30	0	0	0	0
	point2	2											
Bundy Drive south of Olympic Blvd	point33	33	2704	97	35	2	35	1	35	0	0	0	0
	point5	5											
Centinela Avenue north of Nebraska Av	point36	36	1426	97	30	2	30	1	30	0	0	0	0
	point17	17											
Nebraska Avenue east of Centinela Ave	point38	38	353	97	25	2	25	1	25	0	0	0	0
	point44	44											
Olympic Blvd west of Centinela Avenue	point40	40	2114	97	35	2	35	1	35	0	0	0	0
	point14	14											
Olympic Blvd east of Bundy Drive	point28	28	2868	97	35	2	35	1	35	0	0	0	0
	point11	11											
Olympic Blvd east of Centinela Avenue	point41	41	3589	97	35	2	35	1	35	0	0	0	0
	point39	39	3589	97	35	2	35	1	35	0	0	0	0
	point13	13											
Bundy Drive south of Nebraska Avenue	point43	43	2513	97	35	2	35	1	35	0	0	0	0

	point4	4											
Nebraska Avenue west of Bundy Drive	point45	45	292	97	25	2	25	1	25	0	0	0	0
	point20	20											

Dudek 1 November 2019
MG TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: 10649
RUN: LADWP West LA Yard - Exist Rev1019

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	1	1	1,721.8	2,514.4	160.00	5.00	0.00	66	10.0	8.0	Y
ST2	2	1	1,519.3	2,317.1	160.00	5.00	0.00	66	10.0	8.0	Y
ST3	3	1	1,489.6	2,498.0	160.00	5.00	0.00	66	10.0	8.0	Y
ST4	4	1	1,630.0	2,181.1	160.00	5.00	0.00	66	10.0	8.0	Y
ST5	5	1	1,275.2	2,081.6	160.00	5.00	0.00	66	10.0	8.0	Y
ST6	6	1	1,859.4	2,330.1	160.00	5.00	0.00	66	10.0	8.0	Y
ST7	7	1	1,841.5	1,683.0	160.00	5.00	0.00	66	10.0	8.0	Y
M1	8	1	3,867.8	892.8	160.00	5.00	0.00	66	10.0	8.0	Y
M2	9	1	2,659.3	333.7	160.00	5.00	0.00	66	10.0	8.0	Y
M3	10	1	2,293.1	2,783.2	160.00	5.00	0.00	66	10.0	8.0	Y
M4	11	1	1,009.7	1,963.5	160.00	5.00	0.00	66	10.0	8.0	Y

Dudek 1 November 2019
MG TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 10649
RUN: LADWP West LA Yard - Exist Rev1019

Barrier Name	Type	Height Min	Height Max	If Wall $ per Unit Area	If Berm $ per Unit Vol.	Top Width	Run:Rise	Add'tnl $ per Unit Length	Points Name	No.	Coordinates (bottom) X	Y	Z	Height at Point	Segment Seg Ht Increment	Perturbs #Up	#Dn	On Struct?	Important Reflections?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	1,776.3	2,465.9	0.00	0.00	0.00	0	0		
									point3	3	1,838.3	2,523.8	0.00	0.00	0.00	0	0		
									point4	4	2,119.4	2,226.2	0.00	0.00	0.00	0	0		
									point5	5	2,051.9	2,165.6	0.00	0.00					
Barrier2	W	0.00	99.99	0.00				0.00	point125	125	918.6	1,505.1	160.00	12.00	0.00	0	0		
									point100	100	1,135.1	1,697.6	160.00	12.00	0.00	0	0		
									point2	2	1,188.7	1,632.0	160.00	12.00					
Barrier3	W	0.00	99.99	0.00				0.00	point127	127	826.8	2,145.8	160.00	12.00	0.00	0	0		
									point96	96	1,079.3	1,899.7	160.00	12.00	0.00	0	0		
									point97	97	1,161.4	1,978.5	160.00	12.00	0.00	0	0		
									point98	98	916.4	2,238.7	160.00	12.00					
Barrier4	W	0.00	99.99	0.00				0.00	point129	129	1,452.9	2,262.2	160.00	12.00	0.00	0	0		
									point116	116	1,553.4	2,355.9	160.00	12.00	0.00	0	0		
									point117	117	1,118.1	2,806.4	160.00	12.00	0.00	0	0		
									point118	118	1,017.5	2,705.8	160.00	12.00					
Barrier5	W	0.00	99.99	0.00				0.00	point131	131	1,593.3	2,404.1	160.00	12.00	0.00	0	0		
									point120	120	1,673.1	2,482.2	160.00	12.00	0.00	0	0		
									point121	121	1,246.1	2,919.6	160.00	12.00	0.00	0	0		
									point122	122	1,155.9	2,831.1	160.00	12.00					
Barrier6	W	0.00	99.99	0.00				0.00	point133	133	1,708.9	2,520.4	160.00	12.00	0.00	0	0		
									point6	6	1,789.6	2,597.7	160.00	12.00	0.00	0	0		
									point7	7	1,365.3	3,039.4	160.00	12.00	0.00	0	0		
									point8	8	1,295.4	2,960.7	160.00	12.00					
Barrier7	W	0.00	99.99	0.00				0.00	point135	135	1,857.4	2,671.6	160.00	12.00	0.00	0	0		
									point10	10	2,029.2	2,843.5	160.00	12.00	0.00	0	0		
									point11	11	1,619.6	3,296.5	160.00	12.00	0.00	0	0		
									point12	12	1,430.4	3,107.3	160.00	12.00					
Barrier8	W	0.00	99.99	0.00				0.00	point137	137	1,944.3	2,013.4	160.00	12.00	0.00	0	0		
									point14	14	2,176.1	2,243.0	160.00	12.00	0.00	0	0		
									point15	15	2,265.8	2,153.3	160.00	12.00	0.00	0	0		
									point16	16	2,040.6	1,919.3	160.00	12.00					
Barrier9	W	0.00	99.99	0.00				0.00	point139	139	2,546.5	2,056.7	160.00	12.00	0.00	0	0		
									point110	110	2,185.5	2,392.9	160.00	12.00					
Barrier10	W	0.00	99.99	0.00				0.00	point141	141	1,974.7	2,687.7	160.00	12.00	0.00	0	0		
									point102	102	2,094.6	2,808.9	160.00	12.00	0.00	0	0		

									point103	103	2,328.8	2,562.3	160.00	12.00	0.00	0	0		
									point104	104	2,174.5	2,408.0	160.00	12.00	0.00	0	0		
									point105	105	2,034.0	2,547.2	160.00	12.00	0.00	0	0		
									point106	106	2,072.5	2,591.3	160.00	12.00					
Barrier11	W	0.00	99.99	0.00				0.00	point143	143	2,337.0	2,541.7	160.00	12.00	0.00	0	0		
									point108	108	2,680.1	2,180.7	160.00	12.00	0.00	0	0		
									point109	109	2,546.5	2,056.7	160.00	12.00					
Barrier12	W	0.00	99.99	0.00				0.00	point145	145	2,432.0	1,834.0	160.00	12.00	0.00	0	0		
									point18	18	2,714.1	2,100.8	160.00	12.00	0.00	0	0		
									point19	19	2,847.5	1,963.0	160.00	12.00	0.00	0	0		
									point20	20	2,574.1	1,680.9	160.00	12.00					
Barrier13	W	0.00	99.99	0.00				0.00	point147	147	1,896.2	1,672.2	160.00	12.00	0.00	0	0		
									point22	22	2,204.6	1,963.0	160.00	12.00	0.00	0	0		
									point23	23	2,368.6	1,796.8	160.00	12.00	0.00	0	0		
									point24	24	2,239.6	1,663.5	160.00	12.00	0.00	0	0		
									point25	25	2,515.1	1,387.9	160.00	12.00	0.00	0	0		
									point26	26	2,318.3	1,322.3	160.00	12.00	0.00	0	0		
									point27	27	2,114.9	1,547.5	160.00	12.00					
Barrier14	W	0.00	99.99	0.00				0.00	point149	149	1,595.6	1,342.5	160.00	12.00	0.00	0	0		
									point62	62	1,682.4	1,422.4	160.00	12.00	0.00	0	0		
									point63	63	1,880.2	1,210.6	160.00	12.00	0.00	0	0		
									point64	64	1,755.3	1,172.4	160.00	12.00					
Barrier15	W	0.00	99.99	0.00				0.00	point151	151	1,835.1	1,346.0	160.00	12.00	0.00	0	0		
									point58	58	1,953.1	1,464.0	160.00	12.00	0.00	0	0		
									point59	59	2,036.5	1,380.7	160.00	12.00	0.00	0	0		
									point60	60	1,921.9	1,269.6	160.00	12.00					
Barrier16	W	0.00	99.99	0.00				0.00	point153	153	2,114.9	1,547.5	160.00	12.00	0.00	0	0		
									point28	28	2,064.6	1,499.4	160.00	12.00					
Barrier17	W	0.00	99.99	0.00				0.00	point155	155	1,418.7	388.5	160.00	12.00	0.00	0	0		
									point87	87	2,358.2	589.6	160.00	12.00	0.00	0	0		
									point88	88	2,300.4	821.0	160.00	12.00	0.00	0	0		
									point89	89	1,360.8	584.1	160.00	12.00					
Barrier18	W	0.00	99.99	0.00				0.00	point157	157	2,917.5	713.6	160.00	12.00	0.00	0	0		
									point91	91	3,322.5	283.8	160.00	12.00	0.00	0	0		
									point92	92	3,490.6	432.6	160.00	12.00	0.00	0	0		
									point93	93	3,121.4	815.5	160.00	12.00	0.00	0	0		
									point94	94	2,884.5	757.7	160.00	12.00					
Barrier19	W	0.00	99.99	0.00				0.00	point159	159	2,368.5	789.5	160.00	12.00	0.00	0	0		
									point66	66	2,425.8	569.1	160.00	12.00	0.00	0	0		
									point67	67	2,679.2	437.2	160.00	12.00	0.00	0	0		
									point68	68	2,800.7	473.6	160.00	12.00	0.00	0	0		
									point69	69	2,878.8	386.8	160.00	12.00	0.00	0	0		
									point70	70	2,911.8	409.4	160.00	12.00	0.00	0	0		
									point71	71	2,984.7	338.2	160.00	12.00	0.00	0	0		
									point72	72	3,075.0	430.2	160.00	12.00	0.00	0	0		
									point73	73	2,903.1	607.3	160.00	12.00					
Barrier20	W	0.00	99.99	0.00				0.00	point160	160	2,733.9	1,244.3	160.00	12.00	0.00	0	0		
									point30	30	3,398.7	1,412.7	160.00	12.00	0.00	0	0		
									point31	31	3,431.5	1,283.6	160.00	12.00	0.00	0	0		

									point32	32	2,764.5	1,106.5	160.00	12.00					
Barrier21	W	0.00	99.99	0.00				0.00	point162	162	2,283.8	1,157.2	160.00	12.00	0.00	0	0		
									point79	79	2,338.9	942.3	160.00	12.00	0.00	0	0		
									point80	80	2,465.7	967.1	160.00	12.00	0.00	0	0		
									point81	81	2,451.9	1,005.6	160.00	12.00	0.00	0	0		
									point82	82	2,738.4	1,066.3	160.00	12.00	0.00	0	0		
									point83	83	2,705.4	1,182.0	160.00	12.00	0.00	0	0		
									point84	84	2,460.2	1,129.6	160.00	12.00	0.00	0	0		
									point85	85	2,443.6	1,195.8	160.00	12.00					
Barrier22	W	0.00	99.99	0.00				0.00	point164	164	3,722.4	1,294.6	160.00	12.00	0.00	0	0		
									point34	34	3,707.1	1,358.0	160.00	12.00	0.00	0	0		
									point35	35	3,860.2	1,526.4	160.00	12.00	0.00	0	0		
									point36	36	4,242.9	1,611.7	160.00	12.00	0.00	0	0		
									point37	37	4,247.2	1,554.8	160.00	12.00	0.00	0	0		
									point38	38	4,330.4	1,572.3	160.00	12.00	0.00	0	0		
									point39	39	4,380.7	1,484.8	160.00	12.00					
Barrier23	W	0.00	99.99	0.00				0.00	point166	166	2,972.6	308.6	160.00	12.00	0.00	0	0		
									point75	75	3,074.6	418.8	160.00	12.00	0.00	0	0		
									point76	76	3,234.4	270.0	160.00	12.00	0.00	0	0		
									point77	77	3,149.0	190.1	160.00	12.00					
Barrier24	W	0.00	99.99	0.00				0.00	point168	168	3,824.8	1,126.7	160.00	12.00	0.00	0	0		
									point46	46	3,986.2	960.1	160.00	12.00	0.00	0	0		
									point47	47	4,420.1	1,066.0	160.00	12.00	0.00	0	0		
									point48	48	4,312.5	1,269.0	160.00	12.00					
Barrier25	W	0.00	99.99	0.00				0.00	point170	170	3,708.5	1,109.4	160.00	12.00	0.00	0	0		
									point41	41	3,864.2	931.0	160.00	12.00	0.00	0	0		
									point42	42	3,719.5	802.9	160.00	12.00	0.00	0	0		
									point43	43	3,581.8	953.1	160.00	12.00	0.00	0	0		
									point44	44	3,540.1	1,071.2	160.00	12.00					
Barrier26	W	0.00	99.99	0.00				0.00	point172	172	4,086.7	861.7	160.00	12.00	0.00	0	0		
									point50	50	4,232.5	705.5	160.00	12.00	0.00	0	0		
									point51	51	4,520.6	870.4	160.00	12.00	0.00	0	0		
									point52	52	4,472.0	988.4	160.00	12.00					
Barrier27	W	0.00	99.99	0.00				0.00	point174	174	3,960.0	832.2	160.00	12.00	0.00	0	0		
									point54	54	4,187.3	604.8	160.00	12.00	0.00	0	0		
									point55	55	4,044.1	434.0	160.00	12.00	0.00	0	0		
									point56	56	3,809.9	671.0	160.00	12.00					

Dudek
MG

1 November 2019
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 10649
RUN: LADWP West LA Yard - Exist Rev1019
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	0.0	60.0	66	60.0	10	----	60.0	0.0	8	-8.0
ST2	2	1	0.0	60.1	66	60.1	10	----	60.1	0.0	8	-8.0
ST3	3	1	0.0	48.0	66	48.0	10	----	48.0	0.0	8	-8.0
ST4	4	1	0.0	55.7	66	55.7	10	----	55.7	0.0	8	-8.0
ST5	5	1	0.0	60.4	66	60.4	10	----	60.4	0.0	8	-8.0
ST6	6	1	0.0	53.1	66	53.1	10	----	53.1	0.0	8	-8.0
ST7	7	1	0.0	56.3	66	56.3	10	----	56.3	0.0	8	-8.0
M1	8	1	0.0	66.2	66	66.2	10	Snd Lvl	66.2	0.0	8	-8.0
M2	9	1	0.0	63.9	66	63.9	10	----	63.9	0.0	8	-8.0
M3	10	1	0.0	66.4	66	66.4	10	Snd Lvl	66.4	0.0	8	-8.0
M4	11	1	0.0	65.3	66	65.3	10	----	65.3	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	11	0.0	0.0	0.0
All Impacted	2	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek 1 November 2019
MG TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: 10649
RUN: LADWP West LA Yard - ExwP Rev1019

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Bundy Drive north of Nebraska Avenue	50.0	point1	1	1,563.5	3,417.6	160.00				Average	
		point3	3	2,100.8	2,854.2	160.00					
Centinela Avenue north of Olympic Blvd	50.0	point24	24	1,744.5	1,133.9	160.00				Average	
		point16	16	1,075.3	1,827.2	160.00					
Nebraska Avenue west of Centinela Av	50.0	point26	26	555.5	1,316.5	160.00				Average	
		point19	19	1,076.2	1,832.1	160.00					
Centinela Ave s of Olympic Blvd	35.0	point32	32	2,247.4	1,169.1	160.00				Average	
		point22	22	2,413.1	527.1	160.00				Average	
		point2	2	3,401.1	21.0	160.00					
Bundy Drive south of Olympic Blvd	50.0	point33	33	3,404.0	1,493.1	160.00				Average	
		point5	5	4,447.4	390.7	160.00					
Centinela Avenue north of Nebraska Av	35.0	point36	36	1,069.6	1,832.9	160.00				Average	
		point17	17	292.4	2,636.3	160.00					
Nebraska Avenue east of Centinela Ave	50.0	point38	38	1,076.2	1,832.1	160.00				Average	
		point44	44	1,585.0	2,341.1	160.00					
Olympic Blvd west of Centinela Avenue	50.0	point40	40	1,741.9	1,122.3	160.00				Average	
		point14	14	622.3	849.8	160.00					
Olympic Blvd east of Bundy Drive	50.0	point28	28	4,274.0	1,683.0	160.00				Average	
		point11	11	3,403.7	1,499.3	160.00					
Olympic Blvd east of Centinela Avenue	50.0	point41	41	3,403.7	1,499.3	160.00				Average	
		point39	39	2,214.0	1,236.9	160.00				Average	
		point13	13	1,741.9	1,122.3	160.00					
Bundy Drive south of Nebraska Avenue	50.0	point43	43	2,100.8	2,854.2	160.00				Average	
		point4	4	3,396.3	1,502.1	160.00					
Nebraska Avenue west of Bundy Drive	50.0	point45	45	1,585.0	2,341.1	160.00				Average	

		point20	20	2,093.9	2,850.1	160.00					

Dudek 1 November 2
MG TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Percentages
PROJECT/CONTRACT: 10649
RUN: LADWP West LA Yard - ExwP Rev1019

Roadway	Points												
Name	Name	No.	Segment										
			Total	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			Volume	P	S	P	S	P	S	P	S	P	S
			veh/hr	%	mph	%	mph	%	mph	%	mph	%	mph
Bundy Drive north of Nebraska Avenue	point1	1	2434	97	35	2	35	1	35	0	0	0	0
	point3	3											
Centinela Avenue north of Olympic Blvd	point24	24	1743	97	30	2	30	1	30	0	0	0	0
	point16	16											
Nebraska Avenue west of Centinela Av	point26	26	562	97	25	2	25	1	25	0	0	0	0
	point19	19											
Centinela Ave s of Olympic Blvd	point32	32	1459	97	30	2	30	1	30	0	0	0	0
	point22	22	1433	97	30	2	30	1	30	0	0	0	0
	point2	2											
Bundy Drive south of Olympic Blvd	point33	33	2709	97	35	2	35	1	35	0	0	0	0
	point5	5											
Centinela Avenue north of Nebraska Av	point36	36	1431	97	30	2	30	1	30	0	0	0	0
	point17	17											
Nebraska Avenue east of Centinela Ave	point38	38	357	97	25	2	25	1	25	0	0	0	0
	point44	44											
Olympic Blvd west of Centinela Avenue	point40	40	2120	97	35	2	35	1	35	0	0	0	0
	point14	14											
Olympic Blvd east of Bundy Drive	point28	28	2880	97	35	2	35	1	35	0	0	0	0
	point11	11											
Olympic Blvd east of Centinela Avenue	point41	41	3598	97	35	2	35	1	35	0	0	0	0
	point39	39	3598	97	35	2	35	1	35	0	0	0	0
	point13	13											
Bundy Drive south of Nebraska Avenue	point43	43	2519	97	35	2	35	1	35	0	0	0	0

	point4	4											
Nebraska Avenue west of Bundy Drive	point45	45	307	97	25	2	25	1	25	0	0	0	0
	point20	20											

Dudek 1 November 2019
MG TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: 10649
RUN: LADWP West LA Yard - ExwP Rev1019

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	1	1	1,721.8	2,514.4	160.00	5.00	0.00	66	10.0	8.0	Y
ST2	2	1	1,519.3	2,317.1	160.00	5.00	0.00	66	10.0	8.0	Y
ST3	3	1	1,489.6	2,498.0	160.00	5.00	0.00	66	10.0	8.0	Y
ST4	4	1	1,630.0	2,181.1	160.00	5.00	0.00	66	10.0	8.0	Y
ST5	5	1	1,275.2	2,081.6	160.00	5.00	0.00	66	10.0	8.0	Y
ST6	6	1	1,859.4	2,330.1	160.00	5.00	0.00	66	10.0	8.0	Y
ST7	7	1	1,841.5	1,683.0	160.00	5.00	0.00	66	10.0	8.0	Y
M1	8	1	3,867.8	892.8	160.00	5.00	0.00	66	10.0	8.0	Y
M2	9	1	2,659.3	333.7	160.00	5.00	0.00	66	10.0	8.0	Y
M3	10	1	2,293.1	2,783.2	160.00	5.00	0.00	66	10.0	8.0	Y
M4	11	1	1,009.7	1,963.5	160.00	5.00	0.00	66	10.0	8.0	Y

Dudek 1 November 2019
MG TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 10649
RUN: LADWP West LA Yard - ExwP Rev1019

Barrier Name	Type	Height Min	Max	If Wall $ per Unit Area	If Berm $ per Unit Vol.	Top Width	Run:Rise	Add'tnl $ per Unit Length	Points Name	No.	Coordinates (bottom) X	Y	Z	Height at Point	Segment Seg Ht Increment	Perturbs #Up	#Dn	On Struct?	Important Reflections?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	1,776.3	2,465.9	0.00	0.00	0.00	0	0		
									point3	3	1,838.3	2,523.8	0.00	0.00	0.00	0	0		
									point4	4	2,119.4	2,226.2	0.00	0.00	0.00	0	0		
									point5	5	2,051.9	2,165.6	0.00	0.00					
Barrier2	W	0.00	99.99	0.00				0.00	point125	125	918.6	1,505.1	160.00	12.00	0.00	0	0		
									point100	100	1,135.1	1,697.6	160.00	12.00	0.00	0	0		
									point2	2	1,188.7	1,632.0	160.00	12.00					
Barrier3	W	0.00	99.99	0.00				0.00	point127	127	826.8	2,145.8	160.00	12.00	0.00	0	0		
									point96	96	1,079.3	1,899.7	160.00	12.00	0.00	0	0		
									point97	97	1,161.4	1,978.5	160.00	12.00	0.00	0	0		
									point98	98	916.4	2,238.7	160.00	12.00					
Barrier4	W	0.00	99.99	0.00				0.00	point129	129	1,452.9	2,262.2	160.00	12.00	0.00	0	0		
									point116	116	1,553.4	2,355.9	160.00	12.00	0.00	0	0		
									point117	117	1,118.1	2,806.4	160.00	12.00	0.00	0	0		
									point118	118	1,017.5	2,705.8	160.00	12.00					
Barrier5	W	0.00	99.99	0.00				0.00	point131	131	1,593.3	2,404.1	160.00	12.00	0.00	0	0		
									point120	120	1,673.1	2,482.2	160.00	12.00	0.00	0	0		
									point121	121	1,246.1	2,919.6	160.00	12.00	0.00	0	0		
									point122	122	1,155.9	2,831.1	160.00	12.00					
Barrier6	W	0.00	99.99	0.00				0.00	point133	133	1,708.9	2,520.4	160.00	12.00	0.00	0	0		
									point6	6	1,789.6	2,597.7	160.00	12.00	0.00	0	0		
									point7	7	1,365.3	3,039.4	160.00	12.00	0.00	0	0		
									point8	8	1,295.4	2,960.7	160.00	12.00					
Barrier7	W	0.00	99.99	0.00				0.00	point135	135	1,857.4	2,671.6	160.00	12.00	0.00	0	0		
									point10	10	2,029.2	2,843.5	160.00	12.00	0.00	0	0		
									point11	11	1,619.6	3,296.5	160.00	12.00	0.00	0	0		
									point12	12	1,430.4	3,107.3	160.00	12.00					
Barrier8	W	0.00	99.99	0.00				0.00	point137	137	1,944.3	2,013.4	160.00	12.00	0.00	0	0		
									point14	14	2,176.1	2,243.0	160.00	12.00	0.00	0	0		
									point15	15	2,265.8	2,153.3	160.00	12.00	0.00	0	0		
									point16	16	2,040.6	1,919.3	160.00	12.00					
Barrier9	W	0.00	99.99	0.00				0.00	point139	139	2,546.5	2,056.7	160.00	12.00	0.00	0	0		
									point110	110	2,185.5	2,392.9	160.00	12.00					
Barrier10	W	0.00	99.99	0.00				0.00	point141	141	1,974.7	2,687.7	160.00	12.00	0.00	0	0		
									point102	102	2,094.6	2,808.9	160.00	12.00	0.00	0	0		

									point103	103	2,328.8	2,562.3	160.00	12.00	0.00	0	0		
									point104	104	2,174.5	2,408.0	160.00	12.00	0.00	0	0		
									point105	105	2,034.0	2,547.2	160.00	12.00	0.00	0	0		
									point106	106	2,072.5	2,591.3	160.00	12.00					
Barrier11	W	0.00	99.99	0.00				0.00	point143	143	2,337.0	2,541.7	160.00	12.00	0.00	0	0		
									point108	108	2,680.1	2,180.7	160.00	12.00	0.00	0	0		
									point109	109	2,546.5	2,056.7	160.00	12.00					
Barrier12	W	0.00	99.99	0.00				0.00	point145	145	2,432.0	1,834.0	160.00	12.00	0.00	0	0		
									point18	18	2,714.1	2,100.8	160.00	12.00	0.00	0	0		
									point19	19	2,847.5	1,963.0	160.00	12.00	0.00	0	0		
									point20	20	2,574.1	1,680.9	160.00	12.00					
Barrier13	W	0.00	99.99	0.00				0.00	point147	147	1,896.2	1,672.2	160.00	12.00	0.00	0	0		
									point22	22	2,204.6	1,963.0	160.00	12.00	0.00	0	0		
									point23	23	2,368.6	1,796.8	160.00	12.00	0.00	0	0		
									point24	24	2,239.6	1,663.5	160.00	12.00	0.00	0	0		
									point25	25	2,515.1	1,387.9	160.00	12.00	0.00	0	0		
									point26	26	2,318.3	1,322.3	160.00	12.00	0.00	0	0		
									point27	27	2,114.9	1,547.5	160.00	12.00					
Barrier14	W	0.00	99.99	0.00				0.00	point149	149	1,595.6	1,342.5	160.00	12.00	0.00	0	0		
									point62	62	1,682.4	1,422.4	160.00	12.00	0.00	0	0		
									point63	63	1,880.2	1,210.6	160.00	12.00	0.00	0	0		
									point64	64	1,755.3	1,172.4	160.00	12.00					
Barrier15	W	0.00	99.99	0.00				0.00	point151	151	1,835.1	1,346.0	160.00	12.00	0.00	0	0		
									point58	58	1,953.1	1,464.0	160.00	12.00	0.00	0	0		
									point59	59	2,036.5	1,380.7	160.00	12.00	0.00	0	0		
									point60	60	1,921.9	1,269.6	160.00	12.00					
Barrier16	W	0.00	99.99	0.00				0.00	point153	153	2,114.9	1,547.5	160.00	12.00	0.00	0	0		
									point28	28	2,064.6	1,499.4	160.00	12.00					
Barrier17	W	0.00	99.99	0.00				0.00	point155	155	1,418.7	388.5	160.00	12.00	0.00	0	0		
									point87	87	2,358.2	589.6	160.00	12.00	0.00	0	0		
									point88	88	2,300.4	821.0	160.00	12.00	0.00	0	0		
									point89	89	1,360.8	584.1	160.00	12.00					
Barrier18	W	0.00	99.99	0.00				0.00	point157	157	2,917.5	713.6	160.00	12.00	0.00	0	0		
									point91	91	3,322.5	283.8	160.00	12.00	0.00	0	0		
									point92	92	3,490.6	432.6	160.00	12.00	0.00	0	0		
									point93	93	3,121.4	815.5	160.00	12.00	0.00	0	0		
									point94	94	2,884.5	757.7	160.00	12.00					
Barrier19	W	0.00	99.99	0.00				0.00	point159	159	2,368.5	789.5	160.00	12.00	0.00	0	0		
									point66	66	2,425.8	569.1	160.00	12.00	0.00	0	0		
									point67	67	2,679.2	437.2	160.00	12.00	0.00	0	0		
									point68	68	2,800.7	473.6	160.00	12.00	0.00	0	0		
									point69	69	2,878.8	386.8	160.00	12.00	0.00	0	0		
									point70	70	2,911.8	409.4	160.00	12.00	0.00	0	0		
									point71	71	2,984.7	338.2	160.00	12.00	0.00	0	0		
									point72	72	3,075.0	430.2	160.00	12.00	0.00	0	0		
									point73	73	2,903.1	607.3	160.00	12.00					
Barrier20	W	0.00	99.99	0.00				0.00	point160	160	2,733.9	1,244.3	160.00	12.00	0.00	0	0		
									point30	30	3,398.7	1,412.7	160.00	12.00	0.00	0	0		
									point31	31	3,431.5	1,283.6	160.00	12.00	0.00	0	0		

									point32	32	2,764.5	1,106.5	160.00	12.00						
Barrier21	W	0.00	99.99	0.00				0.00	point162	162	2,283.8	1,157.2	160.00	12.00	0.00	0	0			
									point79	79	2,338.9	942.3	160.00	12.00	0.00	0	0			
									point80	80	2,465.7	967.1	160.00	12.00	0.00	0	0			
									point81	81	2,451.9	1,005.6	160.00	12.00	0.00	0	0			
									point82	82	2,738.4	1,066.3	160.00	12.00	0.00	0	0			
									point83	83	2,705.4	1,182.0	160.00	12.00	0.00	0	0			
									point84	84	2,460.2	1,129.6	160.00	12.00	0.00	0	0			
									point85	85	2,443.6	1,195.8	160.00	12.00						
Barrier22	W	0.00	99.99	0.00				0.00	point164	164	3,722.4	1,294.6	160.00	12.00	0.00	0	0			
									point34	34	3,707.1	1,358.0	160.00	12.00	0.00	0	0			
									point35	35	3,860.2	1,526.4	160.00	12.00	0.00	0	0			
									point36	36	4,242.9	1,611.7	160.00	12.00	0.00	0	0			
									point37	37	4,247.2	1,554.8	160.00	12.00	0.00	0	0			
									point38	38	4,330.4	1,572.3	160.00	12.00	0.00	0	0			
									point39	39	4,380.7	1,484.8	160.00	12.00						
Barrier23	W	0.00	99.99	0.00				0.00	point166	166	2,972.6	308.6	160.00	12.00	0.00	0	0			
									point75	75	3,074.6	418.8	160.00	12.00	0.00	0	0			
									point76	76	3,234.4	270.0	160.00	12.00	0.00	0	0			
									point77	77	3,149.0	190.1	160.00	12.00						
Barrier24	W	0.00	99.99	0.00				0.00	point168	168	3,824.8	1,126.7	160.00	12.00	0.00	0	0			
									point46	46	3,986.2	960.1	160.00	12.00	0.00	0	0			
									point47	47	4,420.1	1,066.0	160.00	12.00	0.00	0	0			
									point48	48	4,312.5	1,269.0	160.00	12.00						
Barrier25	W	0.00	99.99	0.00				0.00	point170	170	3,708.5	1,109.4	160.00	12.00	0.00	0	0			
									point41	41	3,864.2	931.0	160.00	12.00	0.00	0	0			
									point42	42	3,719.5	802.9	160.00	12.00	0.00	0	0			
									point43	43	3,581.8	953.1	160.00	12.00	0.00	0	0			
									point44	44	3,540.1	1,071.2	160.00	12.00						
Barrier26	W	0.00	99.99	0.00				0.00	point172	172	4,086.7	861.7	160.00	12.00	0.00	0	0			
									point50	50	4,232.5	705.5	160.00	12.00	0.00	0	0			
									point51	51	4,520.6	870.4	160.00	12.00	0.00	0	0			
									point52	52	4,472.0	988.4	160.00	12.00						
Barrier27	W	0.00	99.99	0.00				0.00	point174	174	3,960.0	832.2	160.00	12.00	0.00	0	0			
									point54	54	4,187.3	604.8	160.00	12.00	0.00	0	0			
									point55	55	4,044.1	434.0	160.00	12.00	0.00	0	0			
									point56	56	3,809.9	671.0	160.00	12.00						

Dudek
MG

1 November 2019
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 10649
RUN: LADWP West LA Yard - ExwP Rev1019
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	0.0	60.1	66	60.1	10	----	60.1	0.0	8	-8.0
ST2	2	1	0.0	60.2	66	60.2	10	----	60.2	0.0	8	-8.0
ST3	3	1	0.0	48.1	66	48.1	10	----	48.1	0.0	8	-8.0
ST4	4	1	0.0	55.7	66	55.7	10	----	55.7	0.0	8	-8.0
ST5	5	1	0.0	60.4	66	60.4	10	----	60.4	0.0	8	-8.0
ST6	6	1	0.0	53.2	66	53.2	10	----	53.2	0.0	8	-8.0
ST7	7	1	0.0	56.3	66	56.3	10	----	56.3	0.0	8	-8.0
M1	8	1	0.0	66.2	66	66.2	10	Snd Lvl	66.2	0.0	8	-8.0
M2	9	1	0.0	63.9	66	63.9	10	----	63.9	0.0	8	-8.0
M3	10	1	0.0	66.4	66	66.4	10	Snd Lvl	66.4	0.0	8	-8.0
M4	11	1	0.0	65.3	66	65.3	10	----	65.3	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	11	0.0	0.0	0.0
All Impacted	2	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek 1 November 2019
MG TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: 10649
RUN: LADWP West LA Yard Proj - Future 1019

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Bundy Drive north of Nebraska Avenue	50.0	point1	1	1,563.5	3,417.6	160.00				Average	
		point3	3	2,100.8	2,854.2	160.00					
Centinela Avenue north of Olympic Blvd	50.0	point24	24	1,744.5	1,133.9	160.00				Average	
		point16	16	1,075.3	1,827.2	160.00					
Nebraska Avenue west of Centinela Av	50.0	point26	26	555.5	1,316.5	160.00				Average	
		point19	19	1,076.2	1,832.1	160.00					
Centinela Ave s of Olympic Blvd	35.0	point32	32	2,247.4	1,169.1	160.00				Average	
		point22	22	2,413.1	527.1	160.00				Average	
		point2	2	3,401.1	21.0	160.00					
Bundy Drive south of Olympic Blvd	50.0	point33	33	3,404.0	1,493.1	160.00				Average	
		point5	5	4,447.4	390.7	160.00					
Centinela Avenue north of Nebraska Av	35.0	point36	36	1,069.6	1,832.9	160.00				Average	
		point17	17	292.4	2,636.3	160.00					
Nebraska Avenue east of Centinela Ave	50.0	point38	38	1,076.2	1,832.1	160.00				Average	
		point44	44	1,585.0	2,341.1	160.00					
Olympic Blvd west of Centinela Avenue	50.0	point40	40	1,741.9	1,122.3	160.00				Average	
		point14	14	622.3	849.8	160.00					
Olympic Blvd east of Bundy Drive	50.0	point28	28	4,274.0	1,683.0	160.00				Average	
		point11	11	3,403.7	1,499.3	160.00					
Olympic Blvd east of Centinela Avenue	50.0	point41	41	3,403.7	1,499.3	160.00				Average	
		point39	39	2,214.0	1,236.9	160.00				Average	
		point13	13	1,741.9	1,122.3	160.00					
Bundy Drive south of Nebraska Avenue	50.0	point43	43	2,100.8	2,854.2	160.00				Average	
		point4	4	3,396.3	1,502.1	160.00					
Nebraska Avenue west of Bundy Drive	50.0	point45	45	1,585.0	2,341.1	160.00				Average	

		point20	20	2,093.9	2,850.1	160.00					

Dudek 1 November 2
MG TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Percentages
PROJECT/CONTRACT: 10649
RUN: LADWP West LA Yard Proj - Future 1019

Roadway	Points												
Name	Name	No.	Segment										
			Total	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			Volume	P	S	P	S	P	S	P	S	P	S
			veh/hr	%	mph	%	mph	%	mph	%	mph	%	mph
Bundy Drive north of Nebraska Avenue	point1	1	2977	97	35	2	35	1	35	0	0	0	0
	point3	3											
Centinela Avenue north of Olympic Blvd	point24	24	2099	97	30	2	30	1	30	0	0	0	0
	point16	16											
Nebraska Avenue west of Centinela Av	point26	26	649	97	25	2	25	1	25	0	0	0	0
	point19	19											
Centinela Ave s of Olympic Blvd	point32	32	2105	97	30	2	30	1	30	0	0	0	0
	point22	22	2105	97	30	2	30	1	30	0	0	0	0
	point2	2											
Bundy Drive south of Olympic Blvd	point33	33	3254	97	35	2	35	1	35	0	0	0	0
	point5	5											
Centinela Avenue north of Nebraska Av	point36	36	1749	97	30	2	30	1	30	0	0	0	0
	point17	17											
Nebraska Avenue east of Centinela Ave	point38	38	392	97	25	2	25	1	25	0	0	0	0
	point44	44											
Olympic Blvd west of Centinela Avenue	point40	40	3389	97	35	2	35	1	35	0	0	0	0
	point14	14											
Olympic Blvd east of Bundy Drive	point28	28	3700	97	35	2	35	1	35	0	0	0	0
	point11	11											
Olympic Blvd east of Centinela Avenue	point41	41	5019	97	35	2	35	1	35	0	0	0	0
	point39	39	5019	97	35	2	35	1	35	0	0	0	0
	point13	13											
Bundy Drive south of Nebraska Avenue	point43	43	3066	97	35	2	35	1	35	0	0	0	0

	point4	4											
Nebraska Avenue west of Bundy Drive	point45	45	327	97	25	2	25	1	25	0	0	0	0
	point20	20											

Dudek 1 November 2019
MG TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: 10649
RUN: LADWP West LA Yard Proj - Future 1019

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	1	1	1,721.8	2,514.4	160.00	5.00	0.00	66	10.0	8.0	Y
ST2	2	1	1,519.3	2,317.1	160.00	5.00	0.00	66	10.0	8.0	Y
ST3	3	1	1,489.6	2,498.0	160.00	5.00	0.00	66	10.0	8.0	Y
ST4	4	1	1,630.0	2,181.1	160.00	5.00	0.00	66	10.0	8.0	Y
ST5	5	1	1,275.2	2,081.6	160.00	5.00	0.00	66	10.0	8.0	Y
ST6	6	1	1,859.4	2,330.1	160.00	5.00	0.00	66	10.0	8.0	Y
ST7	7	1	1,841.5	1,683.0	160.00	5.00	0.00	66	10.0	8.0	Y
M1	8	1	3,867.8	892.8	160.00	5.00	0.00	66	10.0	8.0	Y
M2	9	1	2,659.4	333.7	160.00	5.00	0.00	66	10.0	8.0	Y
M3	10	1	2,293.1	2,783.2	160.00	5.00	0.00	66	10.0	8.0	Y
M4	11	1	1,009.7	1,963.5	160.00	5.00	0.00	66	10.0	8.0	Y

Dudek 1 November 2019
MG TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 10649
RUN: LADWP West LA Yard Proj - Future 1019

Barrier Name	Type	Height Min	Height Max	If Wall $ per Unit Area	If Berm $ per Unit Vol.	Top Width	Run:Rise	Add'tnl $ per Unit Length	Points Name	No.	Coordinates (bottom) X	Y	Z	Height at Point	Segment Seg Ht Increment	Perturbs #Up	#Dn	On Struct?	Important Reflections?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	1,776.3	2,465.9	0.00	0.00	0.00	0	0		
									point3	3	1,838.3	2,523.8	0.00	0.00	0.00	0	0		
									point4	4	2,119.4	2,226.2	0.00	0.00	0.00	0	0		
									point5	5	2,051.9	2,165.6	0.00	0.00					
Barrier2	W	0.00	99.99	0.00				0.00	point125	125	918.6	1,505.1	160.00	12.00	0.00	0	0		
									point100	100	1,135.1	1,697.6	160.00	12.00	0.00	0	0		
									point2	2	1,188.7	1,632.0	160.00	12.00					
Barrier3	W	0.00	99.99	0.00				0.00	point127	127	826.8	2,145.8	160.00	12.00	0.00	0	0		
									point96	96	1,079.3	1,899.7	160.00	12.00	0.00	0	0		
									point97	97	1,161.4	1,978.5	160.00	12.00	0.00	0	0		
									point98	98	916.4	2,238.7	160.00	12.00					
Barrier4	W	0.00	99.99	0.00				0.00	point129	129	1,452.9	2,262.2	160.00	12.00	0.00	0	0		
									point116	116	1,553.4	2,355.9	160.00	12.00	0.00	0	0		
									point117	117	1,118.1	2,806.4	160.00	12.00	0.00	0	0		
									point118	118	1,017.5	2,705.8	160.00	12.00					
Barrier5	W	0.00	99.99	0.00				0.00	point131	131	1,593.3	2,404.1	160.00	12.00	0.00	0	0		
									point120	120	1,673.1	2,482.2	160.00	12.00	0.00	0	0		
									point121	121	1,246.1	2,919.6	160.00	12.00	0.00	0	0		
									point122	122	1,155.9	2,831.1	160.00	12.00					
Barrier6	W	0.00	99.99	0.00				0.00	point133	133	1,708.9	2,520.4	160.00	12.00	0.00	0	0		
									point6	6	1,789.6	2,597.7	160.00	12.00	0.00	0	0		
									point7	7	1,365.3	3,039.4	160.00	12.00	0.00	0	0		
									point8	8	1,295.4	2,960.7	160.00	12.00					
Barrier7	W	0.00	99.99	0.00				0.00	point135	135	1,857.4	2,671.6	160.00	12.00	0.00	0	0		
									point10	10	2,029.2	2,843.5	160.00	12.00	0.00	0	0		
									point11	11	1,619.6	3,296.5	160.00	12.00	0.00	0	0		
									point12	12	1,430.4	3,107.3	160.00	12.00					
Barrier8	W	0.00	99.99	0.00				0.00	point137	137	1,944.3	2,013.4	160.00	12.00	0.00	0	0		
									point14	14	2,176.1	2,243.0	160.00	12.00	0.00	0	0		
									point15	15	2,265.8	2,153.3	160.00	12.00	0.00	0	0		
									point16	16	2,040.6	1,919.3	160.00	12.00					
Barrier9	W	0.00	99.99	0.00				0.00	point139	139	2,546.5	2,056.7	160.00	12.00	0.00	0	0		
									point110	110	2,185.5	2,392.9	160.00	12.00					
Barrier10	W	0.00	99.99	0.00				0.00	point141	141	1,974.7	2,687.7	160.00	12.00	0.00	0	0		
									point102	102	2,094.6	2,808.9	160.00	12.00	0.00	0	0		

									point103	103	2,328.8	2,562.3	160.00	12.00	0.00	0	0		
									point104	104	2,174.5	2,408.0	160.00	12.00	0.00	0	0		
									point105	105	2,034.0	2,547.2	160.00	12.00	0.00	0	0		
									point106	106	2,072.5	2,591.3	160.00	12.00					
Barrier11	W	0.00	99.99	0.00				0.00	point143	143	2,337.0	2,541.7	160.00	12.00	0.00	0	0		
									point108	108	2,680.1	2,180.7	160.00	12.00	0.00	0	0		
									point109	109	2,546.5	2,056.7	160.00	12.00					
Barrier12	W	0.00	99.99	0.00				0.00	point145	145	2,432.0	1,834.0	160.00	12.00	0.00	0	0		
									point18	18	2,714.1	2,100.8	160.00	12.00	0.00	0	0		
									point19	19	2,847.5	1,963.0	160.00	12.00	0.00	0	0		
									point20	20	2,574.1	1,680.9	160.00	12.00					
Barrier13	W	0.00	99.99	0.00				0.00	point147	147	1,896.2	1,672.2	160.00	12.00	0.00	0	0		
									point22	22	2,204.6	1,963.0	160.00	12.00	0.00	0	0		
									point23	23	2,368.6	1,796.8	160.00	12.00	0.00	0	0		
									point24	24	2,239.6	1,663.5	160.00	12.00	0.00	0	0		
									point25	25	2,515.1	1,387.9	160.00	12.00	0.00	0	0		
									point26	26	2,318.3	1,322.3	160.00	12.00	0.00	0	0		
									point27	27	2,114.9	1,547.5	160.00	12.00					
Barrier14	W	0.00	99.99	0.00				0.00	point149	149	1,595.6	1,342.5	160.00	12.00	0.00	0	0		
									point62	62	1,682.4	1,422.4	160.00	12.00	0.00	0	0		
									point63	63	1,880.2	1,210.6	160.00	12.00	0.00	0	0		
									point64	64	1,755.3	1,172.4	160.00	12.00					
Barrier15	W	0.00	99.99	0.00				0.00	point151	151	1,835.1	1,346.0	160.00	12.00	0.00	0	0		
									point58	58	1,953.1	1,464.0	160.00	12.00	0.00	0	0		
									point59	59	2,036.5	1,380.7	160.00	12.00	0.00	0	0		
									point60	60	1,921.9	1,269.6	160.00	12.00					
Barrier16	W	0.00	99.99	0.00				0.00	point153	153	2,114.9	1,547.5	160.00	12.00	0.00	0	0		
									point28	28	2,064.6	1,499.4	160.00	12.00					
Barrier17	W	0.00	99.99	0.00				0.00	point155	155	1,418.7	388.5	160.00	12.00	0.00	0	0		
									point87	87	2,358.2	589.6	160.00	12.00	0.00	0	0		
									point88	88	2,300.4	821.0	160.00	12.00	0.00	0	0		
									point89	89	1,360.8	584.1	160.00	12.00					
Barrier18	W	0.00	99.99	0.00				0.00	point157	157	2,917.5	713.6	160.00	12.00	0.00	0	0		
									point91	91	3,322.5	283.8	160.00	12.00	0.00	0	0		
									point92	92	3,490.6	432.6	160.00	12.00	0.00	0	0		
									point93	93	3,121.4	815.5	160.00	12.00	0.00	0	0		
									point94	94	2,884.5	757.7	160.00	12.00					
Barrier19	W	0.00	99.99	0.00				0.00	point159	159	2,368.5	789.5	160.00	12.00	0.00	0	0		
									point66	66	2,425.8	569.1	160.00	12.00	0.00	0	0		
									point67	67	2,679.2	437.2	160.00	12.00	0.00	0	0		
									point68	68	2,800.7	473.6	160.00	12.00	0.00	0	0		
									point69	69	2,878.8	386.8	160.00	12.00	0.00	0	0		
									point70	70	2,911.8	409.4	160.00	12.00	0.00	0	0		
									point71	71	2,984.7	338.2	160.00	12.00	0.00	0	0		
									point72	72	3,075.0	430.2	160.00	12.00	0.00	0	0		
									point73	73	2,903.1	607.3	160.00	12.00					
Barrier20	W	0.00	99.99	0.00				0.00	point160	160	2,733.9	1,244.3	160.00	12.00	0.00	0	0		
									point30	30	3,398.7	1,412.7	160.00	12.00	0.00	0	0		
									point31	31	3,431.5	1,283.6	160.00	12.00	0.00	0	0		

									point32	32	2,764.5	1,106.5	160.00	12.00					
Barrier21	W	0.00	99.99	0.00				0.00	point162	162	2,283.8	1,157.2	160.00	12.00	0.00	0	0		
									point79	79	2,338.9	942.3	160.00	12.00	0.00	0	0		
									point80	80	2,465.7	967.1	160.00	12.00	0.00	0	0		
									point81	81	2,451.9	1,005.6	160.00	12.00	0.00	0	0		
									point82	82	2,738.4	1,066.3	160.00	12.00	0.00	0	0		
									point83	83	2,705.4	1,182.0	160.00	12.00	0.00	0	0		
									point84	84	2,460.2	1,129.6	160.00	12.00	0.00	0	0		
									point85	85	2,443.6	1,195.8	160.00	12.00					
Barrier22	W	0.00	99.99	0.00				0.00	point164	164	3,722.4	1,294.6	160.00	12.00	0.00	0	0		
									point34	34	3,707.1	1,358.0	160.00	12.00	0.00	0	0		
									point35	35	3,860.2	1,526.4	160.00	12.00	0.00	0	0		
									point36	36	4,242.9	1,611.7	160.00	12.00	0.00	0	0		
									point37	37	4,247.2	1,554.8	160.00	12.00	0.00	0	0		
									point38	38	4,330.4	1,572.3	160.00	12.00	0.00	0	0		
									point39	39	4,380.7	1,484.8	160.00	12.00					
Barrier23	W	0.00	99.99	0.00				0.00	point166	166	2,972.6	308.6	160.00	12.00	0.00	0	0		
									point75	75	3,074.6	418.8	160.00	12.00	0.00	0	0		
									point76	76	3,234.4	270.0	160.00	12.00	0.00	0	0		
									point77	77	3,149.0	190.1	160.00	12.00					
Barrier24	W	0.00	99.99	0.00				0.00	point168	168	3,824.8	1,126.7	160.00	12.00	0.00	0	0		
									point46	46	3,986.2	960.1	160.00	12.00	0.00	0	0		
									point47	47	4,420.1	1,066.0	160.00	12.00	0.00	0	0		
									point48	48	4,312.5	1,269.0	160.00	12.00					
Barrier25	W	0.00	99.99	0.00				0.00	point170	170	3,708.5	1,109.4	160.00	12.00	0.00	0	0		
									point41	41	3,864.2	931.0	160.00	12.00	0.00	0	0		
									point42	42	3,719.5	802.9	160.00	12.00	0.00	0	0		
									point43	43	3,581.8	953.1	160.00	12.00	0.00	0	0		
									point44	44	3,540.1	1,071.2	160.00	12.00					
Barrier26	W	0.00	99.99	0.00				0.00	point172	172	4,086.7	861.7	160.00	12.00	0.00	0	0		
									point50	50	4,232.5	705.5	160.00	12.00	0.00	0	0		
									point51	51	4,520.6	870.4	160.00	12.00	0.00	0	0		
									point52	52	4,472.0	988.4	160.00	12.00					
Barrier27	W	0.00	99.99	0.00				0.00	point174	174	3,960.0	832.2	160.00	12.00	0.00	0	0		
									point54	54	4,187.3	604.8	160.00	12.00	0.00	0	0		
									point55	55	4,044.1	434.0	160.00	12.00	0.00	0	0		
									point56	56	3,809.9	671.0	160.00	12.00					

Dudek
MG

1 November 2019
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 10649
RUN: LADWP West LA Yard Proj - Future 1019
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	0.0	60.4	66	60.4	10	----	60.4	0.0	8	-8.0
ST2	2	1	0.0	60.7	66	60.7	10	----	60.7	0.0	8	-8.0
ST3	3	1	0.0	48.9	66	48.9	10	----	48.9	0.0	8	-8.0
ST4	4	1	0.0	56.6	66	56.6	10	----	56.6	0.0	8	-8.0
ST5	5	1	0.0	61.1	66	61.1	10	----	61.1	0.0	8	-8.0
ST6	6	1	0.0	54.1	66	54.1	10	----	54.1	0.0	8	-8.0
ST7	7	1	0.0	57.6	66	57.6	10	----	57.6	0.0	8	-8.0
M1	8	1	0.0	67.0	66	67.0	10	Snd Lvl	67.0	0.0	8	-8.0
M2	9	1	0.0	65.6	66	65.6	10	----	65.6	0.0	8	-8.0
M3	10	1	0.0	67.3	66	67.3	10	Snd Lvl	67.3	0.0	8	-8.0
M4	11	1	0.0	66.1	66	66.1	10	Snd Lvl	66.1	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	11	0.0	0.0	0.0
All Impacted	3	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek 1 November 2019
MG TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: 10649
RUN: LADWP West LA Yard Proj - Fut wP 1019

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Bundy Drive north of Nebraska Avenue	50.0	point1	1	1,563.5	3,417.6	160.00				Average	
		point3	3	2,100.8	2,854.2	160.00					
Centinela Avenue north of Olympic Blvd	50.0	point24	24	1,744.5	1,133.9	160.00				Average	
		point16	16	1,075.3	1,827.2	160.00					
Nebraska Avenue west of Centinela Av	50.0	point26	26	555.5	1,316.5	160.00				Average	
		point19	19	1,076.2	1,832.1	160.00					
Centinela Ave s of Olympic Blvd	35.0	point32	32	2,247.4	1,169.1	160.00				Average	
		point22	22	2,413.1	527.1	160.00				Average	
		point2	2	3,401.1	21.0	160.00					
Bundy Drive south of Olympic Blvd	50.0	point33	33	3,404.0	1,493.1	160.00				Average	
		point5	5	4,447.4	390.7	160.00					
Centinela Avenue north of Nebraska Av	35.0	point36	36	1,069.6	1,832.9	160.00				Average	
		point17	17	292.4	2,636.3	160.00					
Nebraska Avenue east of Centinela Ave	50.0	point38	38	1,076.2	1,832.1	160.00				Average	
		point44	44	1,585.0	2,341.1	160.00					
Olympic Blvd west of Centinela Avenue	50.0	point40	40	1,741.9	1,122.3	160.00				Average	
		point14	14	622.3	849.8	160.00					
Olympic Blvd east of Bundy Drive	50.0	point28	28	4,274.0	1,683.0	160.00				Average	
		point11	11	3,403.7	1,499.3	160.00					
Olympic Blvd east of Centinela Avenue	50.0	point41	41	3,403.7	1,499.3	160.00				Average	
		point39	39	2,214.0	1,236.9	160.00				Average	
		point13	13	1,741.9	1,122.3	160.00					
Bundy Drive south of Nebraska Avenue	50.0	point43	43	2,100.8	2,854.2	160.00				Average	
		point4	4	3,396.3	1,502.1	160.00					
Nebraska Avenue west of Bundy Drive	50.0	point45	45	1,585.0	2,341.1	160.00				Average	

		point20	20	2,093.9	2,850.1	160.00					

Dudek 1 November 2
MG TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Percentages
PROJECT/CONTRACT: 10649
RUN: LADWP West LA Yard Proj - Fut wP 1019

Roadway	Points												
Name	Name	No.	Segment										
			Total	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			Volume	P	S	P	S	P	S	P	S	P	S
			veh/hr	%	mph	%	mph	%	mph	%	mph	%	mph
Bundy Drive north of Nebraska Avenue	point1	1	2986	97	35	2	35	1	35	0	0	0	0
	point3	3											
Centinela Avenue north of Olympic Blvd	point24	24	2102	97	30	2	30	1	30	0	0	0	0
	point16	16											
Nebraska Avenue west of Centinela Av	point26	26	650	97	25	2	25	1	25	0	0	0	0
	point19	19											
Centinela Ave s of Olympic Blvd	point32	32	2105	97	30	2	30	1	30	0	0	0	0
	point22	22	2105	97	30	2	30	1	30	0	0	0	0
	point2	2											
Bundy Drive south of Olympic Blvd	point33	33	3259	97	35	2	35	1	35	0	0	0	0
	point5	5											
Centinela Avenue north of Nebraska Av	point36	36	1754	97	30	2	30	1	30	0	0	0	0
	point17	17											
Nebraska Avenue east of Centinela Ave	point38	38	396	97	25	2	25	1	25	0	0	0	0
	point44	44											
Olympic Blvd west of Centinela Avenue	point40	40	3395	97	35	2	35	1	35	0	0	0	0
	point14	14											
Olympic Blvd east of Bundy Drive	point28	28	3712	97	35	2	35	1	35	0	0	0	0
	point11	11											
Olympic Blvd east of Centinela Avenue	point41	41	5028	97	35	2	35	1	35	0	0	0	0
	point39	39	5028	97	35	2	35	1	35	0	0	0	0
	point13	13											
Bundy Drive south of Nebraska Avenue	point43	43	3072	97	35	2	35	1	35	0	0	0	0

	point4	4											
Nebraska Avenue west of Bundy Drive	point45	45	342	97	25	2	25	1	25	0	0	0	0
	point20	20											

Dudek 1 November 2019
MG TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: 10649
RUN: LADWP West LA Yard Proj - Fut wP 1019

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	1	1	1,721.8	2,514.4	160.00	5.00	0.00	66	10.0	8.0	Y
ST2	2	1	1,519.3	2,317.1	160.00	5.00	0.00	66	10.0	8.0	Y
ST3	3	1	1,489.6	2,498.0	160.00	5.00	0.00	66	10.0	8.0	Y
ST4	4	1	1,630.0	2,181.1	160.00	5.00	0.00	66	10.0	8.0	Y
ST5	5	1	1,275.2	2,081.6	160.00	5.00	0.00	66	10.0	8.0	Y
ST6	6	1	1,859.4	2,330.1	160.00	5.00	0.00	66	10.0	8.0	Y
ST7	7	1	1,841.5	1,683.0	160.00	5.00	0.00	66	10.0	8.0	Y
M1	8	1	3,867.8	892.8	160.00	5.00	0.00	66	10.0	8.0	Y
M2	9	1	2,659.4	333.7	160.00	5.00	0.00	66	10.0	8.0	Y
M3	10	1	2,293.1	2,783.2	160.00	5.00	0.00	66	10.0	8.0	Y
M4	11	1	1,009.7	1,963.5	160.00	5.00	0.00	66	10.0	8.0	Y

Dudek 1 November 2019
MG TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 10649
RUN: LADWP West LA Yard Proj - Fut wP 1019

Barrier Name	Type	Height Min	Height Max	If Wall $ per Unit Area	If Berm $ per Unit Vol.	Top Width	Run:Rise	Add'tnl $ per Unit Length	Points Name	No.	Coordinates (bottom) X	Y	Z	Height at Point	Segment Seg Ht Increment	Perturbs #Up	#Dn	On Struct?	Important Reflections?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	1,776.3	2,465.9	0.00	0.00	0.00	0	0		
									point3	3	1,838.3	2,523.8	0.00	0.00	0.00	0	0		
									point4	4	2,119.4	2,226.2	0.00	0.00	0.00	0	0		
									point5	5	2,051.9	2,165.6	0.00	0.00					
Barrier2	W	0.00	99.99	0.00				0.00	point125	125	918.6	1,505.1	160.00	12.00	0.00	0	0		
									point100	100	1,135.1	1,697.6	160.00	12.00	0.00	0	0		
									point2	2	1,188.7	1,632.0	160.00	12.00					
Barrier3	W	0.00	99.99	0.00				0.00	point127	127	826.8	2,145.8	160.00	12.00	0.00	0	0		
									point96	96	1,079.3	1,899.7	160.00	12.00	0.00	0	0		
									point97	97	1,161.4	1,978.5	160.00	12.00	0.00	0	0		
									point98	98	916.4	2,238.7	160.00	12.00					
Barrier4	W	0.00	99.99	0.00				0.00	point129	129	1,452.9	2,262.2	160.00	12.00	0.00	0	0		
									point116	116	1,553.4	2,355.9	160.00	12.00	0.00	0	0		
									point117	117	1,118.1	2,806.4	160.00	12.00	0.00	0	0		
									point118	118	1,017.5	2,705.8	160.00	12.00					
Barrier5	W	0.00	99.99	0.00				0.00	point131	131	1,593.3	2,404.1	160.00	12.00	0.00	0	0		
									point120	120	1,673.1	2,482.2	160.00	12.00	0.00	0	0		
									point121	121	1,246.1	2,919.6	160.00	12.00	0.00	0	0		
									point122	122	1,155.9	2,831.1	160.00	12.00					
Barrier6	W	0.00	99.99	0.00				0.00	point133	133	1,708.9	2,520.4	160.00	12.00	0.00	0	0		
									point6	6	1,789.6	2,597.7	160.00	12.00	0.00	0	0		
									point7	7	1,365.3	3,039.4	160.00	12.00	0.00	0	0		
									point8	8	1,295.4	2,960.7	160.00	12.00					
Barrier7	W	0.00	99.99	0.00				0.00	point135	135	1,857.4	2,671.6	160.00	12.00	0.00	0	0		
									point10	10	2,029.2	2,843.5	160.00	12.00	0.00	0	0		
									point11	11	1,619.6	3,296.5	160.00	12.00	0.00	0	0		
									point12	12	1,430.4	3,107.3	160.00	12.00					
Barrier8	W	0.00	99.99	0.00				0.00	point137	137	1,944.3	2,013.4	160.00	12.00	0.00	0	0		
									point14	14	2,176.1	2,243.0	160.00	12.00	0.00	0	0		
									point15	15	2,265.8	2,153.3	160.00	12.00	0.00	0	0		
									point16	16	2,040.6	1,919.3	160.00	12.00					
Barrier9	W	0.00	99.99	0.00				0.00	point139	139	2,546.5	2,056.7	160.00	12.00	0.00	0	0		
									point110	110	2,185.5	2,392.9	160.00	12.00					
Barrier10	W	0.00	99.99	0.00				0.00	point141	141	1,974.7	2,687.7	160.00	12.00	0.00	0	0		
									point102	102	2,094.6	2,808.9	160.00	12.00	0.00	0	0		

									point103	103	2,328.8	2,562.3	160.00	12.00	0.00	0	0		
									point104	104	2,174.5	2,408.0	160.00	12.00	0.00	0	0		
									point105	105	2,034.0	2,547.2	160.00	12.00	0.00	0	0		
									point106	106	2,072.5	2,591.3	160.00	12.00					
Barrier11	W	0.00	99.99	0.00				0.00	point143	143	2,337.0	2,541.7	160.00	12.00	0.00	0	0		
									point108	108	2,680.1	2,180.7	160.00	12.00	0.00	0	0		
									point109	109	2,546.5	2,056.7	160.00	12.00					
Barrier12	W	0.00	99.99	0.00				0.00	point145	145	2,432.0	1,834.0	160.00	12.00	0.00	0	0		
									point18	18	2,714.1	2,100.8	160.00	12.00	0.00	0	0		
									point19	19	2,847.5	1,963.0	160.00	12.00	0.00	0	0		
									point20	20	2,574.1	1,680.9	160.00	12.00					
Barrier13	W	0.00	99.99	0.00				0.00	point147	147	1,896.2	1,672.2	160.00	12.00	0.00	0	0		
									point22	22	2,204.6	1,963.0	160.00	12.00	0.00	0	0		
									point23	23	2,368.6	1,796.8	160.00	12.00	0.00	0	0		
									point24	24	2,239.6	1,663.5	160.00	12.00	0.00	0	0		
									point25	25	2,515.1	1,387.9	160.00	12.00	0.00	0	0		
									point26	26	2,318.3	1,322.3	160.00	12.00	0.00	0	0		
									point27	27	2,114.9	1,547.5	160.00	12.00					
Barrier14	W	0.00	99.99	0.00				0.00	point149	149	1,595.6	1,342.5	160.00	12.00	0.00	0	0		
									point62	62	1,682.4	1,422.4	160.00	12.00	0.00	0	0		
									point63	63	1,880.2	1,210.6	160.00	12.00	0.00	0	0		
									point64	64	1,755.3	1,172.4	160.00	12.00					
Barrier15	W	0.00	99.99	0.00				0.00	point151	151	1,835.1	1,346.0	160.00	12.00	0.00	0	0		
									point58	58	1,953.1	1,464.0	160.00	12.00	0.00	0	0		
									point59	59	2,036.5	1,380.7	160.00	12.00	0.00	0	0		
									point60	60	1,921.9	1,269.6	160.00	12.00					
Barrier16	W	0.00	99.99	0.00				0.00	point153	153	2,114.9	1,547.5	160.00	12.00	0.00	0	0		
									point28	28	2,064.6	1,499.4	160.00	12.00					
Barrier17	W	0.00	99.99	0.00				0.00	point155	155	1,418.7	388.5	160.00	12.00	0.00	0	0		
									point87	87	2,358.2	589.6	160.00	12.00	0.00	0	0		
									point88	88	2,300.4	821.0	160.00	12.00	0.00	0	0		
									point89	89	1,360.8	584.1	160.00	12.00					
Barrier18	W	0.00	99.99	0.00				0.00	point157	157	2,917.5	713.6	160.00	12.00	0.00	0	0		
									point91	91	3,322.5	283.8	160.00	12.00	0.00	0	0		
									point92	92	3,490.6	432.6	160.00	12.00	0.00	0	0		
									point93	93	3,121.4	815.5	160.00	12.00	0.00	0	0		
									point94	94	2,884.5	757.7	160.00	12.00					
Barrier19	W	0.00	99.99	0.00				0.00	point159	159	2,368.5	789.5	160.00	12.00	0.00	0	0		
									point66	66	2,425.8	569.1	160.00	12.00	0.00	0	0		
									point67	67	2,679.2	437.2	160.00	12.00	0.00	0	0		
									point68	68	2,800.7	473.6	160.00	12.00	0.00	0	0		
									point69	69	2,878.8	386.8	160.00	12.00	0.00	0	0		
									point70	70	2,911.8	409.4	160.00	12.00	0.00	0	0		
									point71	71	2,984.7	338.2	160.00	12.00	0.00	0	0		
									point72	72	3,075.0	430.2	160.00	12.00	0.00	0	0		
									point73	73	2,903.1	607.3	160.00	12.00					
Barrier20	W	0.00	99.99	0.00				0.00	point160	160	2,733.9	1,244.3	160.00	12.00	0.00	0	0		
									point30	30	3,398.7	1,412.7	160.00	12.00	0.00	0	0		
									point31	31	3,431.5	1,283.6	160.00	12.00	0.00	0	0		

									point32	32	2,764.5	1,106.5	160.00	12.00					
Barrier21	W	0.00	99.99	0.00				0.00	point162	162	2,283.8	1,157.2	160.00	12.00	0.00	0	0		
									point79	79	2,338.9	942.3	160.00	12.00	0.00	0	0		
									point80	80	2,465.7	967.1	160.00	12.00	0.00	0	0		
									point81	81	2,451.9	1,005.6	160.00	12.00	0.00	0	0		
									point82	82	2,738.4	1,066.3	160.00	12.00	0.00	0	0		
									point83	83	2,705.4	1,182.0	160.00	12.00	0.00	0	0		
									point84	84	2,460.2	1,129.6	160.00	12.00	0.00	0	0		
									point85	85	2,443.6	1,195.8	160.00	12.00					
Barrier22	W	0.00	99.99	0.00				0.00	point164	164	3,722.4	1,294.6	160.00	12.00	0.00	0	0		
									point34	34	3,707.1	1,358.0	160.00	12.00	0.00	0	0		
									point35	35	3,860.2	1,526.4	160.00	12.00	0.00	0	0		
									point36	36	4,242.9	1,611.7	160.00	12.00	0.00	0	0		
									point37	37	4,247.2	1,554.8	160.00	12.00	0.00	0	0		
									point38	38	4,330.4	1,572.3	160.00	12.00	0.00	0	0		
									point39	39	4,380.7	1,484.8	160.00	12.00					
Barrier23	W	0.00	99.99	0.00				0.00	point166	166	2,972.6	308.6	160.00	12.00	0.00	0	0		
									point75	75	3,074.6	418.8	160.00	12.00	0.00	0	0		
									point76	76	3,234.4	270.0	160.00	12.00	0.00	0	0		
									point77	77	3,149.0	190.1	160.00	12.00					
Barrier24	W	0.00	99.99	0.00				0.00	point168	168	3,824.8	1,126.7	160.00	12.00	0.00	0	0		
									point46	46	3,986.2	960.1	160.00	12.00	0.00	0	0		
									point47	47	4,420.1	1,066.0	160.00	12.00	0.00	0	0		
									point48	48	4,312.5	1,269.0	160.00	12.00					
Barrier25	W	0.00	99.99	0.00				0.00	point170	170	3,708.5	1,109.4	160.00	12.00	0.00	0	0		
									point41	41	3,864.2	931.0	160.00	12.00	0.00	0	0		
									point42	42	3,719.5	802.9	160.00	12.00	0.00	0	0		
									point43	43	3,581.8	953.1	160.00	12.00	0.00	0	0		
									point44	44	3,540.1	1,071.2	160.00	12.00					
Barrier26	W	0.00	99.99	0.00				0.00	point172	172	4,086.7	861.7	160.00	12.00	0.00	0	0		
									point50	50	4,232.5	705.5	160.00	12.00	0.00	0	0		
									point51	51	4,520.6	870.4	160.00	12.00	0.00	0	0		
									point52	52	4,472.0	988.4	160.00	12.00					
Barrier27	W	0.00	99.99	0.00				0.00	point174	174	3,960.0	832.2	160.00	12.00	0.00	0	0		
									point54	54	4,187.3	604.8	160.00	12.00	0.00	0	0		
									point55	55	4,044.1	434.0	160.00	12.00	0.00	0	0		
									point56	56	3,809.9	671.0	160.00	12.00					

Dudek
MG

1 November 2019
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 10649
RUN: LADWP West LA Yard Proj - Fut wP 1019
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	0.0	60.6	66	60.6	10	----	60.6	0.0	8	-8.0
ST2	2	1	0.0	60.8	66	60.8	10	----	60.8	0.0	8	-8.0
ST3	3	1	0.0	48.9	66	48.9	10	----	48.9	0.0	8	-8.0
ST4	4	1	0.0	56.6	66	56.6	10	----	56.6	0.0	8	-8.0
ST5	5	1	0.0	61.1	66	61.1	10	----	61.1	0.0	8	-8.0
ST6	6	1	0.0	54.1	66	54.1	10	----	54.1	0.0	8	-8.0
ST7	7	1	0.0	57.6	66	57.6	10	----	57.6	0.0	8	-8.0
M1	8	1	0.0	67.0	66	67.0	10	Snd Lvl	67.0	0.0	8	-8.0
M2	9	1	0.0	65.6	66	65.6	10	----	65.6	0.0	8	-8.0
M3	10	1	0.0	67.3	66	67.3	10	Snd Lvl	67.3	0.0	8	-8.0
M4	11	1	0.0	66.2	66	66.2	10	Snd Lvl	66.2	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	11	0.0	0.0	0.0
All Impacted	3	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

APPENDIX F

TIA & Assessment Letter

LINSCOTT
LAW &
GREENSPAN
engineers

TRAFFIC IMPACT STUDY

LADWP WEST LOS ANGELES YARD DEMOLITION & CONSTRUCTION PROJECT

City of Los Angeles, California
February 27, 2018

Prepared for:

Dudek
38 North Marengo Avenue
Pasadena, California 91101

LLG Ref. 1-17-4255-1

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TRAFFIC IMPACT STUDY

LADWP WEST LOS ANGELES DEMOLITION & CONSTRUCTION PROJECT

City of Los Angeles, California
February 27, 2018

1.0 INTRODUCTION

This traffic analysis has been conducted to identify and evaluate the potential traffic impacts of the proposed City of Los Angeles Department of Water & Power (LADWP) West Los Angeles Yard Demolition & Construction project ("proposed project" herein). The proposed project site is located at 12300 West Nebraska Avenue in the West Los Angeles Community Plan area of the City of Los Angeles, California. Additionally, the project site also is located within the West Los Angeles Transportation Improvement and Mitigation Specific Plan[1] (West LA TIMP) area. The project site is bounded by Nebraska Avenue to the north, Olympic Boulevard to the south, existing commercial development to the east, and Centinela Avenue to the west. The proposed LADWP West Los Angeles Yard Demolition & Construction project location and general vicinity are shown in ***Figure 1-1***.

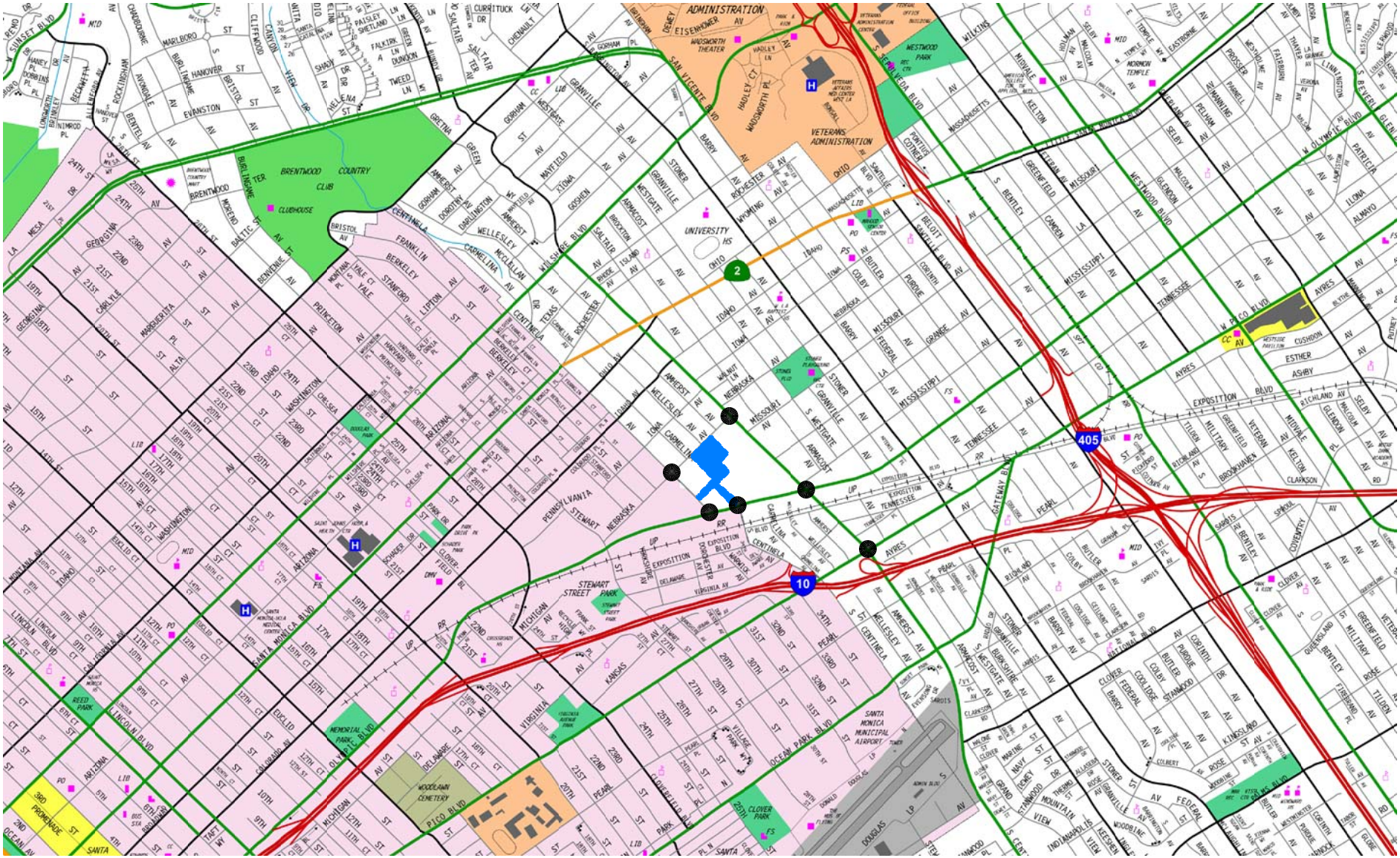
1.1 Traffic Study Overview

The traffic analysis follows City of Los Angeles traffic study guidelines[2] and is consistent with traffic impact assessment guidelines set forth in the Los Angeles County Congestion Management Program[3]. This traffic analysis evaluates potential project-related impacts at six key intersections in the vicinity of the project site. The study intersections were determined in consultation with City of Los Angeles Department of Transportation (LADOT) staff. The Critical Movement Analysis method was used to determine Volume-to-Capacity ratios and corresponding Levels of Service for the study intersections. A review was also conducted of Los Angeles County Metropolitan Transportation Authority freeway and intersection monitoring stations to determine if a Congestion Management Program transportation impact assessment analysis is required for the proposed project. In addition, a screening analysis also was completed as it relates to the State of California Department of Transportation (Caltrans) highway system and the ramp intersections under Caltrans jurisdiction were evaluated based on the Highway Capacity Manual (HCM) operational analysis methodologies.

This study (i) presents existing traffic volumes, (ii) includes existing traffic volumes with the forecast traffic volumes from the proposed project, (iii) recommends mitigation measures, where necessary, (iv) forecasts future cumulative baseline traffic volumes, (v) forecasts future traffic volumes with the proposed project, (vi) determines future forecast with project-related impacts, and (vii) recommends mitigation measures, where necessary.

---

[1] *West Los Angeles Transportation Improvement and Mitigation Specific Plan*, Ordinance No. 171,492, adopted March 8, 1997.
[2] *Transportation Impact Study Guidelines*, City of Los Angeles Department of Transportation, December 2016.
[3] *2010 Congestion Management Program*, Los Angeles County Metropolitan Transportation Authority, October 2010.



MAP SOURCE: RAND MCNALLY & COMPANY

PROJECT SITE

STUDY INTERSECTION

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FIGURE 1-1
VICINITY MAP

LINSCOTT, LAW & GREENSPAN, engineers

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

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1.2 Study Area

Upon coordination with LADOT staff, a total of six study locations have been identified for this evaluation. The six study locations provide local access to the study area and define the extent of the boundaries for this traffic impact analysis. Further discussion of the existing street system and study area is provided in Section 4.0.

The general location of the project in relation to the study locations and surrounding street system is presented in *Figure 1–1*. The traffic analysis study area is generally comprised of those locations which have the greatest potential to experience significant traffic impacts due to the proposed project as defined by the Lead Agency. In the traffic engineering practice, the study area generally includes those intersections that are:

a. Immediately adjacent or in close proximity to the project site;

b. In the vicinity of the project site that are documented to have current or projected future adverse operational issues; and

c. In the vicinity of the project site that are forecast to experience a relatively greater percentage of project-related vehicular turning movements (e.g., at freeway ramp intersections).

The locations selected for analysis were based on the above criteria, the proposed LADWP West Los Angeles Yard Demolition & Construction project peak hour vehicle trip generation, the anticipated distribution of project vehicular trips, and existing intersection/corridor operations. The approved Memorandum of Understanding for the formal traffic study scoping process with LADOT staff is contained in ***Appendix A***.

1.3 Project Overview

The West Los Angeles District Yard Project is a facility improvement project being proposed by the LADWP. The project would demolish six structures on-site including the district office, warehouse, break room, locker room, and fleet shop. Three new buildings would be constructed in their place: a warehouse, district office, and fleet shop. These new buildings would consolidate all of the functions of the demolished buildings. Beneath the proposed new buildings a single-level underground parking structure with a total of 204 parking stalls would be installed. Additionally, the straddle crane located within the existing yard would be relocated toward the southeast section of the District Yard closer to the driveway along Olympic Boulevard. At the existing on-site fueling station, also in along the access driveway connecting the project site to Olympic Boulevard, the existing unleaded and diesel fuel tanks would remain above ground, and a new compressed natural gas (CNG) tank would be installed aboveground. All fleet vehicle parking, a total of 32 oversized parking spaces, would be located on a surface parking lot.

1.4 Senate Bill 743 Overview

On September 27, 2013, Governor Brown signed Senate Bill (SB) 743 (Steinberg, 2013). Among other things, SB 743 created a process to change the methodology to analyze transportation impacts under CEQA (Public Resources Code section 21000 and following), which could include analysis based on project vehicle miles traveled (VMT) rather than impacts to intersection Level of Service. On December 30, 2013, the State of California Governor's Office of Planning and Research (OPR) released a preliminary evaluation of alternative methods of transportation analysis. The intent of the original guidance documentation was geared first towards projects located within areas that are designated as transit priority areas, to be followed by other areas of the State. OPR issued other draft discussion documents in March 2015 and January 2016, suggesting some new revisions to the state CEQA Guidelines. OPR has submitted the proposed updates to the CEQA Guidelines to the State's Natural Resources Agency (NRA). Over the coming months, the NRA will conduct a formal administrative rulemaking process on the CEQA Guidelines. That rulemaking process will entail additional public review and may lead to further revisions. OPR then would update the technical advisory as appropriate. OPR has therefore not issued any final revisions to the state CEQA Guidelines to implement the CEQA traffic analysis component of SB 743; thus, the analysis in this study utilizes existing, long-established protocols in accordance with CEQA, the existing state CEQA Guidelines, and the City's CEQA Thresholds Guide. (See Public Resources Code section 21099(b).)

This is also consistent with the current City of Los Angeles traffic impact analysis procedures. In August 2014, Councilmember Mike Bonin introduced a motion directing the Department of City Planning (DCP) and LADOT to begin preparation for the shift to VMT analysis (CF 14-1169). DCP subsequently contracted with an outside consultant to develop the strategy and methodology in order to establish the tools necessary to bring the City into compliance with the state mandate. The City has recently conducted beta testing of the recommended VMT tools/metrics that will be used to conduct VMT analyses in traffic studies for projects. It is anticipated that in mid to late 2018, City staff will present the CEQA Appendix G environmental checklist update to the City Council, which will likely lead to the adoption of new VMT-based significance thresholds and its subsequent incorporation into the City's CEQA Threshold Guide in late-2018 to early 2019. Following adoption, projects must then comply with the updated transportation evaluation framework, thus bringing the City into compliance with the state mandate. The City's VMT tools/metrics have not been finalized as of the writing of this traffic study. Should the City finalize those tools/metrics prior to the City decisionmakers' consideration of the proposed project's entitlement, this traffic study may be updated in consultation with LADOT to include a VMT analysis and a determination of whether the proposed project would result in significant impacts based on VMT-based significance thresholds. While any agency can immediately apply the proposed new CEQA Guidelines section (proposed Guidelines section 15064.3), a statewide application of that new section would not be required until January 1, 2020.

2.0 PROJECT DESCRIPTION[4]

2.1 Project Location

The 6.3-acre project site is located at 12300 Nebraska Avenue in the City of Los Angeles. The project is located in Council District No. 11 and in the West Los Angeles Community Plan area, as well as within the WLA TIMP. The project site is bounded by Nebraska Avenue to the north, Olympic Boulevard to the south, existing commercial development to the east, and Centinela Avenue to the west. The proposed LADWP West Los Angeles Yard Demolition & Construction project location and general vicinity are shown in *Figure 1-1*.

2.2 Project Description

2.2.1 *Proposed Project Description*

The proposed West Los Angeles District Yard project is a facility improvement project that is being proposed by the LADWP. The purpose of this project is to enhance the workplace quality, improve safety, provide functional efficacy and efficiency, integrate sustainability into the project design, and enhance site beautification. The current structures on site are aging and will be unable to support the planned increase in staff at the facility nor does the current facility have adequate storage capacity for existing equipment. Furthermore, the current site layout does not allow for much free space for fleet vehicles to maneuver around. The proposed project would allow for more capacity for housing employees and more open space for vehicles, thereby preventing congestion at the facility and improving overall operating conditions, workflow and safety. The project would involve the demolition of all existing structures and construction of new buildings on the same site as the existing West Los Angeles District Yard. An aerial photograph of the existing West Los Angeles District Yard is contained in ***Figure 2-1***.

The structures proposed to be demolished are the existing district office, warehouse, break room, locker room, and fleet shop. Three new buildings would be constructed in their place: a warehouse and fleet shop (22,915 square feet), a district yard office (19,900 square feet), and an exterior storage area (18,500 square feet). These new buildings would consolidate all of the functions of the demolished buildings. Additionally, the existing straddle crane located at the yard would be moved toward the section of the District Yard closer to the entrance along Olympic Boulevard. The proposed reconfiguration of the West Los Angeles District Yard site is shown in ***Figure 2-2***, Site Plan. The proposed structures would be one to two stories in height with beige exteriors. All buildings would include photovoltaic solar panels on rooftops. Finally, one existing tree is proposed to be removed, while three existing trees would remain. New trees would be added to the project site in landscape designated areas.

One existing fueling station is present at the yard site. The existing unleaded and diesel fuel tanks that are part of the existing fueling station would remain above ground, and a new compressed natural gas tank would be placed aboveground. Additionally, an approximately 75,284 square-foot

[4] Source: Dudek.

N
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MAP SOURCE: GOOGLE EARTH

OVERALL LADWP WLA FACILITY

PORTION OF SITE TO BE IMPROVED

EXISTING DRIVEWAY

LINSCOTT, LAW & GREENSPAN, engineers

FIGURE 2-1
AERIAL PHOTOGRAPH OF EXISTING SITE

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

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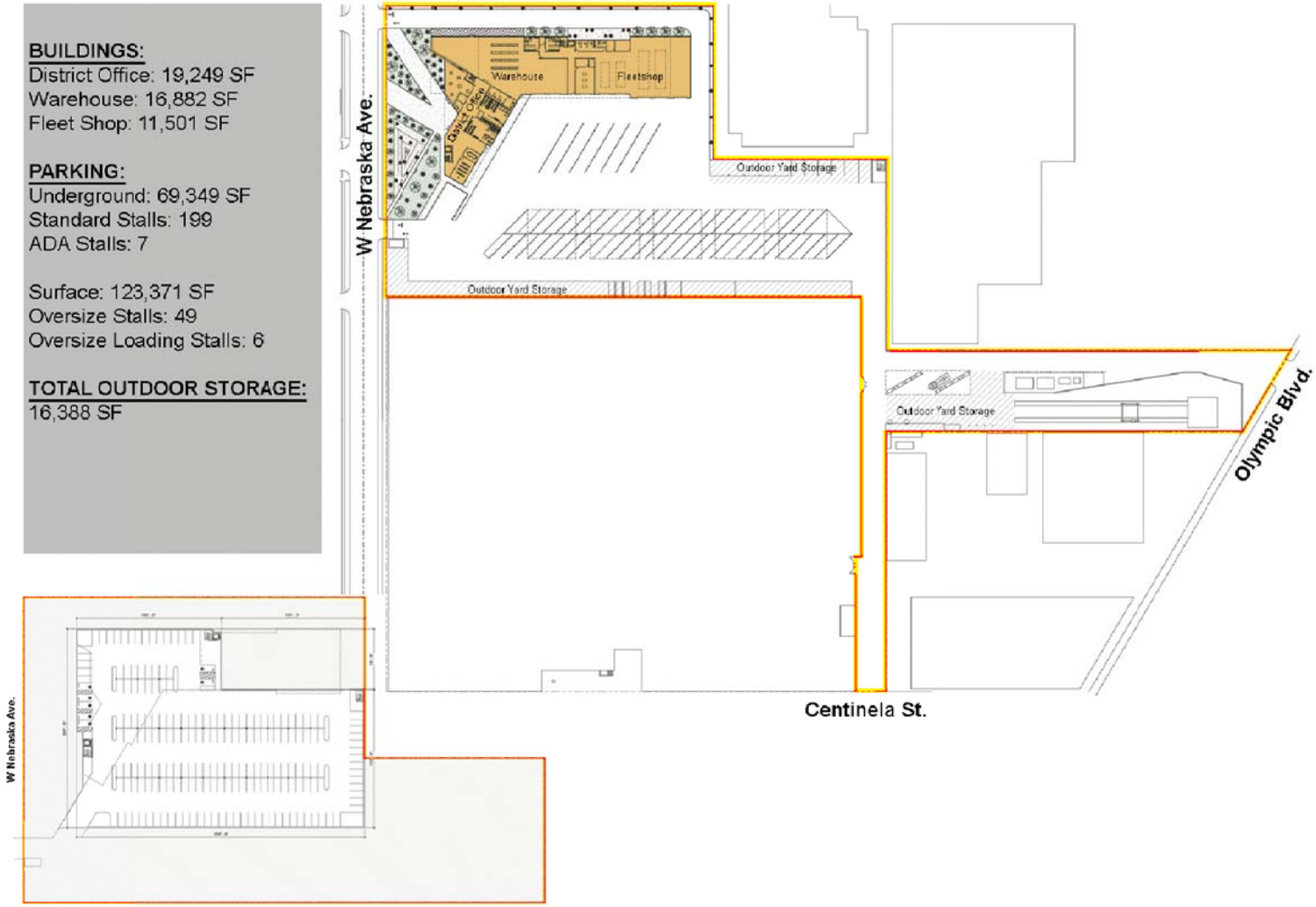
BUILDINGS:
District Office: 19,249 SF
Warehouse: 16,882 SF
Fleet Shop: 11,501 SF

PARKING:
Underground: 69,349 SF
Standard Stalls: 199
ADA Stalls: 7

Surface: 123,371 SF
Oversize Stalls: 49
Oversize Loading Stalls: 6

TOTAL OUTDOOR STORAGE:
16,388 SF



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MAP SOURCE: LADWP

FIGURE 2-2
SITE PLAN

LINSCOTT, LAW & GREENSPAN, engineers

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

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underground parking structure would be constructed. The underground parking lot would be one level with a total of 204 parking spaces to be used by employee vehicles; the lot would also include new electric vehicle charging stations. All fleet vehicle parking, a total of 55 oversized parking spaces, would be located on the surface parking lot.

2.2.2 *Facility Operations*

The West Los Angeles service area for this facility is bounded to the north by Mulholland Drive, to the south by Imperial Highway, to the east by Robertson Boulevard, and to the west by Vista Del Mar Boulevard. A map depicting the West Los Angeles service area is contained in ***Figure 2-3***. A total of 120 employees are currently assigned to this facility, including 105 fleet services employees. Upon build-out of the project, 200 employees would be assigned to this facility. The proposed project would operate during the following hours:

- Monday and Friday: 6:30 AM – 4:00 PM
- Tuesday and Thursday: 6:30 AM – 7:00 PM
- Saturday and every other Sunday: 6:30 AM – 4:30 PM

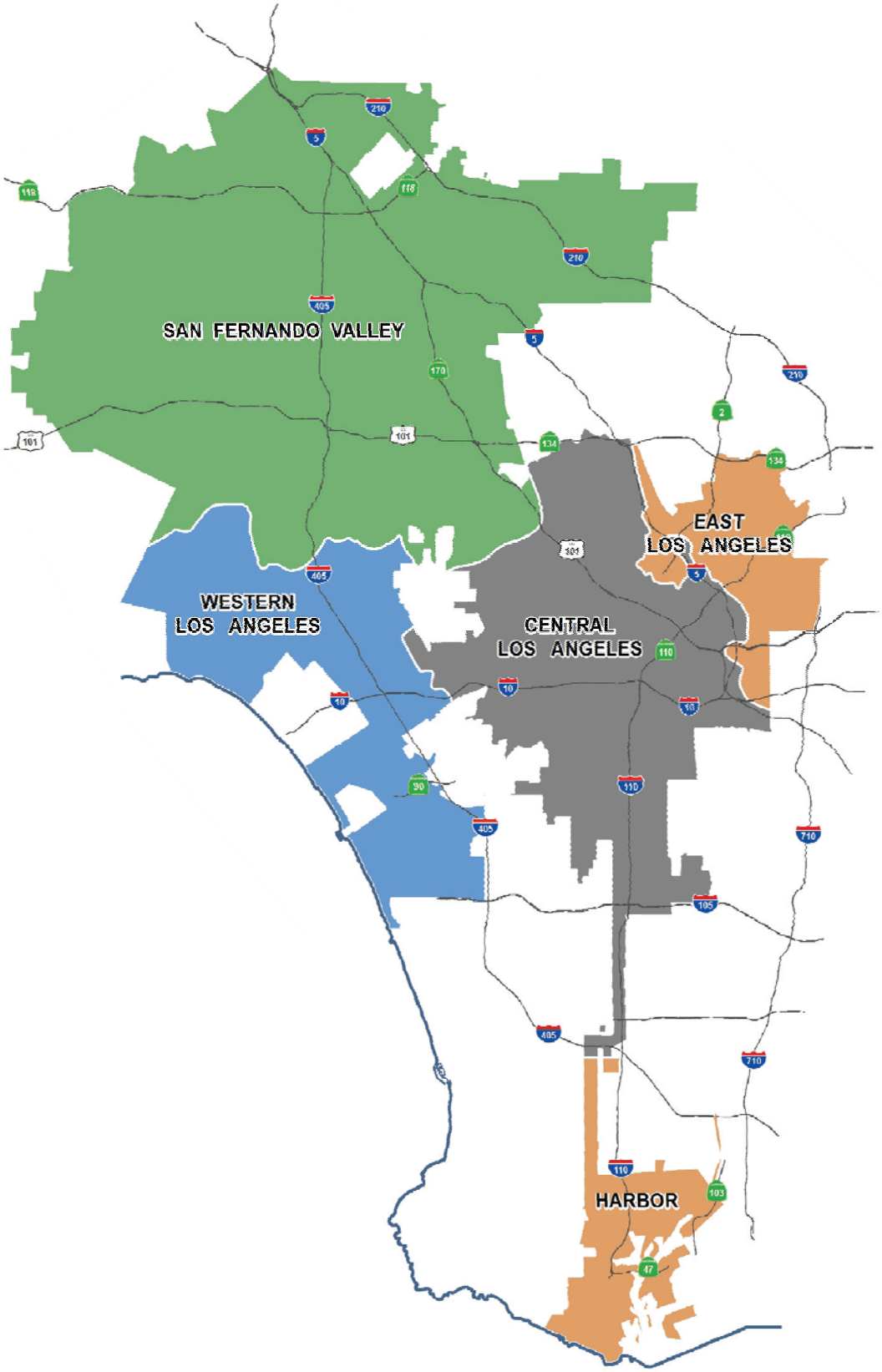
2.2.3 *Project Construction*

The project would be carried out in two phases in order for the district yard to remain operational throughout construction. Phase 1, which would last approximately three years (October 2019 through December 2023), would involve both demolition of the existing structures and construction of a portion of the proposed project. Phase 1 demolition is scheduled from February 2020 through October 2023. During Phase 1, the district office building, locker room, break room, and the surface employee parking lot would be removed to facilitate the excavation and construction of the new underground parking structure. Once the parking structure is completed, the new district office building and combined warehouse and fleet shop would be constructed.

Phase 2, which would last approximately 3.5 years, would involve the demolition of the remaining structures, including the warehouses located in the southwestern portion of the site as well as the fleet shop, followed by construction of the department vehicle parking area, exterior storage areas, and relocation of the straddle crane. Phase 2 demolition is scheduled for December 2023 through August 2024. Phase 2 construction is scheduled from September 2024 through June 2027.

Construction vehicle access to the yard would be restricted to the entrances located on Centinela Avenue and Olympic Boulevard; employee access to the yard would be via Nebraska Avenue. No construction vehicles would access the site via Nebraska Avenue.

Equipment used for the construction of the proposed project would, at a minimum, include two excavators with thumb attachments, two dozers, one or two drill rigs, two cranes, one backhoe, one forklift, one padfoot compactor, one soil compactor, one loader, one bobcat with broom attachment, one water truck, two dump trucks, and one flatbed truck. It is assumed construction equipment



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MAP SOURCE: LADWP

FIGURE 2-3
WEST LOS ANGELES YARD SERVICE AREA

LINSCOTT, LAW & GREENSPAN, engineers

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

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would operate up to eight hours per day and that two to four vendor trips would be averaged daily during both construction phases of the project. Best management practices such as silt fencing, sand bags, filter fabrics, drain sock, and water trucks for dust control would be implemented during construction of the proposed project.

3.0 SITE ACCESS AND CIRCULATION

3.1 Vehicular Site Access

As shown in *Figure 2-1*, the portion of the LADWP West Los Angeles Yard Demolition & Construction project site that is planned to be improved contains a total of five driveways, including three driveways on Nebraska Avenue, one driveway on Centinela Avenue, and one driveway that essentially forms the north leg of the Centinela Avenue East/Olympic Boulevard intersection. All five driveways are currently controlled by either manual or automatic gates that are operated by LADWP. There are no planned changes in driveway locations or operations, nor in the site access and circulation scheme for employees, vendors and visitors, as part of the proposed project.

3.2 Pedestrian Access

The LADWP West Los Angeles Yard Demolition & Construction project is located within the Sawtelle district of the West Los Angeles Community Plan area. The project is well-located to encourage pedestrian activity and walking as a transportation mode.[5.] The project site is situated within easy walking distance to several established residential areas as well as other retail, restaurant, and other commercial businesses within the area. The site's proximity both to nearby residential areas and amenities on the commercial corridors, as well as the existing public sidewalks throughout the area roadway system, will promote and encourage walking. The project will connect to the adjacent sidewalk network via the Nebraska Avenue and Centinela Avenue property frontages. Additionally, regional and local public bus transit stops are provided nearby on Centinela Avenue, Bundy Drive, Nebraska Avenue, and Olympic Boulevard which will promote pedestrian connectivity with the project site.

3.3 Bicycle Access

Bicycle access to the project site is facilitated by the City of Los Angeles bicycle roadway network.[6] Existing or proposed bicycle facilities (e.g., Class I Bicycle Path, Class II Bicycle Lanes, Class III Bicycle Routes, Proposed Bicycle Routes, Bicycle Friendly Streets, etc.) in the City's 2010 Bicycle Plan are located within an approximate one-mile radius from the project site.[7] It is important to note that the 2010 Bicycle Plan goals and policies have been folded into the Mobility 2035 Plan to reflect a commitment to a balanced, multi-modal viewpoint. The location of the City of Los Angeles

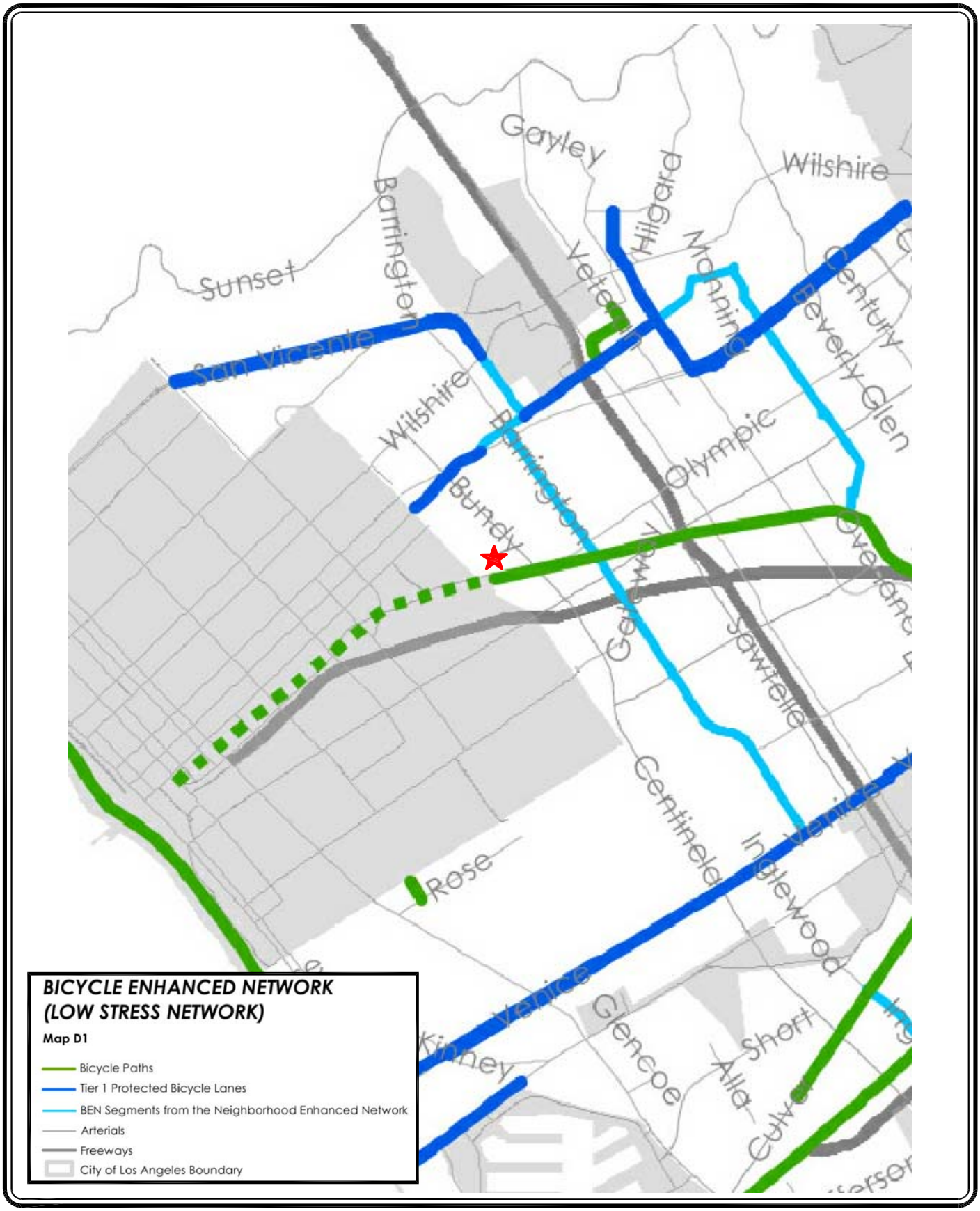
---

[5] For example, refer to http://www.walkscore.com/, which generates a walkability score of approximately 82 (Very Walkable) out of 100 for the project site. Walk Score calculates the walkability of an address by locating nearby stores, restaurants, schools, parks, etc. Walk Score measures how easy it is to live a car-lite lifestyle—not how pretty the area is for walking.

[6] Walk Score also calculates a bike score based on the topography, number and proximity of bike lanes, etc., near the project site. For example, refer to http://www.walkscore.com/, which generates a bike score of approximately 63 (Bikeable) out of 100 for the project site. Walk Score calculates the bike score of an address by locating nearby bicycling facilities as well as connections to bus/rail transit routes and stops. Walk Score measures how easy it is to live a car-lite lifestyle—not how pretty the area is for bicycling.

[7] Sources: City of Los Angeles Mobility Plan 2035 (2015), and City of Los Angeles Bicycle Parking Plan; www.labikeplan.org. As noted in the Mobility Plan 2035, the 2010 Bicycle Plan and policies have been folded into the Mobility Plan to reflect a commitment to a balanced, multi-modal viewpoint.

bicycle enhanced network (low stress network) in close proximity to the project site and in the surrounding area is shown in ***Figure 3-1***. The location of the City of Los Angeles bicycle lane network in close proximity to the project site and in the surrounding area is illustrated in ***Figure 3-2***. Use of bicycles as a transportation mode to and from the project site should be encouraged by the provision of ample and safe parking. The type of spaces and dimensions will be provided based on City Code requirements (refer to Los Angeles Municipal Code Sections 12.21.A.16 and 12.21 A.4(c)), as well as to meet the needs of a variety of bicycles.



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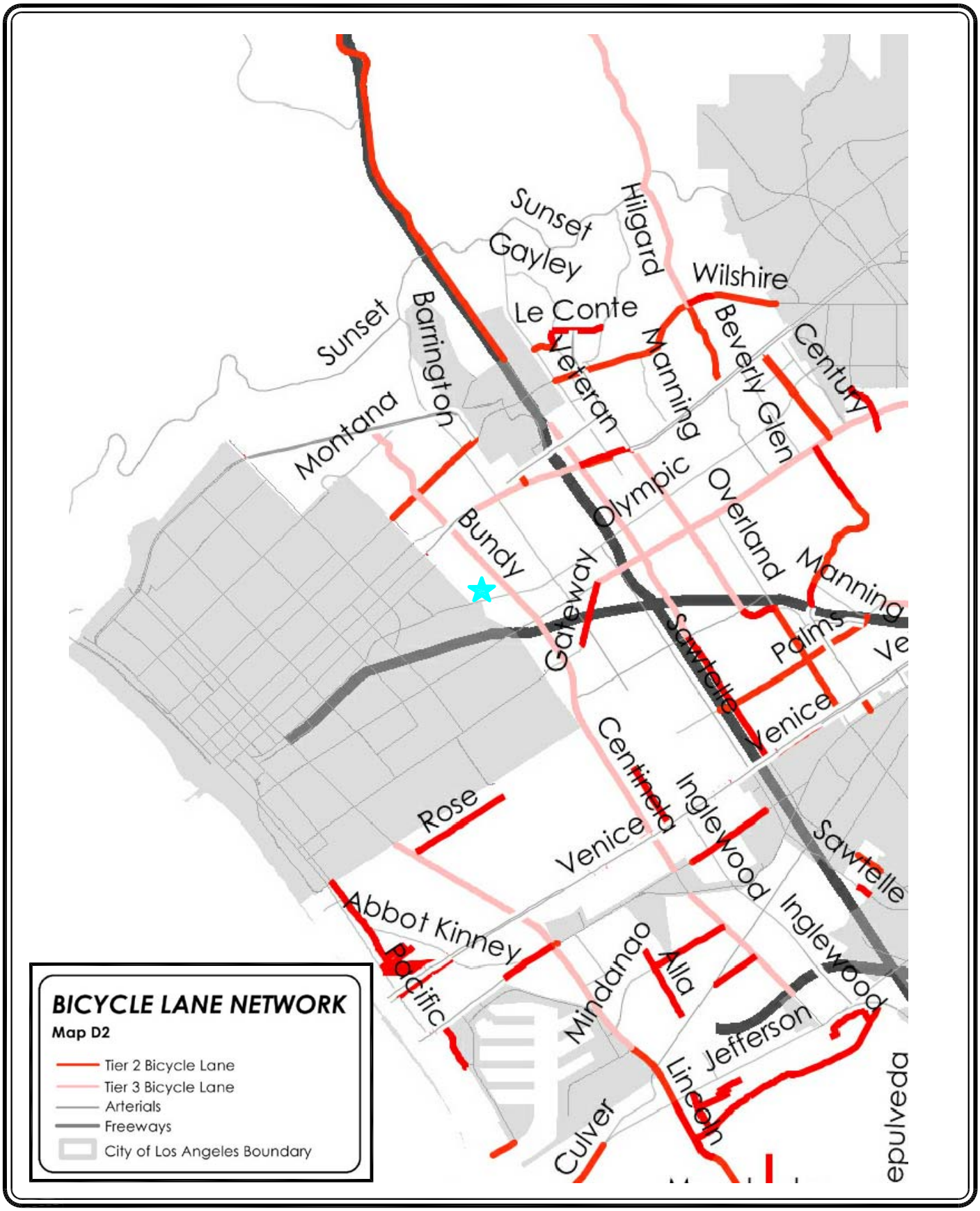
MAP SOURCE: CITY OF LOS ANGELES MOBILITY PLAN 2035

PROJECT SITES

FIGURE 3-1
CITY OF LOS ANGELES BICYCLE ENHANCED NETWORK (LOW STRESS NETWORK)

LINSCOTT, LAW & GREENSPAN, engineers

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT



MAP SOURCE: CITY OF LOS ANGELES MOBILITY PLAN 2035

PROJECT SITES

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FIGURE 3-2
CITY OF LOS ANGELES PROPOSED BICYCLE LANE NETWORK

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

LINSCOTT, LAW & GREENSPAN, engineers

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4.0 EXISTING STREET SYSTEM

4.1 Regional Highway System

Regional access to the project site is provided by Interstate 405 (I-405) Freeway and I-10 Freeway, as shown in *Figure 1-1*. A northbound off-ramp and a southbound on-ramp are provided for I-405 Freeway at Santa Monica Boulevard and Olympic Boulevard east of the project site. A brief description of I-405 Freeway and I-10 Freeway is provided in the following paragraphs.

I-405 (San Diego) Freeway is a north-south oriented freeway connecting the North Los Angeles County area to the north to Orange County to the south. The San Diego Freeway generally contains four to five mainline freeway lanes in each direction along with auxiliary lanes in the project vicinity. Within the project study area, northbound and southbound connecting ramps are provided at Wilshire Boulevard, Santa Monica Boulevard and Olympic Boulevard. A full interchange with the I-10 Freeway is located southwest of the project study area.

I-10 (Santa Monica) Freeway is a major east-west oriented freeway connecting Santa Monica to the west to the Inland Empire and beyond to the east. The Santa Monica Freeway generally contains four mainline freeway lanes in each direction along with auxiliary lanes in the project vicinity. In the eastbound direction on the Santa Monica Freeway, off-ramps are provided at 20th Street and Pico Boulevard. In the westbound direction on the Santa Monica Freeway, off-ramps are provided at Bundy Drive, Centinela Avenue and Cloverfield Boulevard.

4.2 Local Street System

Immediate access to the project site is via Nebraska Avenue, Olympic Boulevard and Centinela Avenue. The list of the study intersections selected in consultation with LADOT staff for analysis of potential impacts related to the proposed project is presented in ***Table 4-1***. The study intersections selected for analysis in the traffic study also are noted in *Figure 1-1*. All of the existing study intersections are presently controlled by traffic signals. The existing roadway configurations and intersection controls at the study intersections are displayed in ***Figure 4-1***.

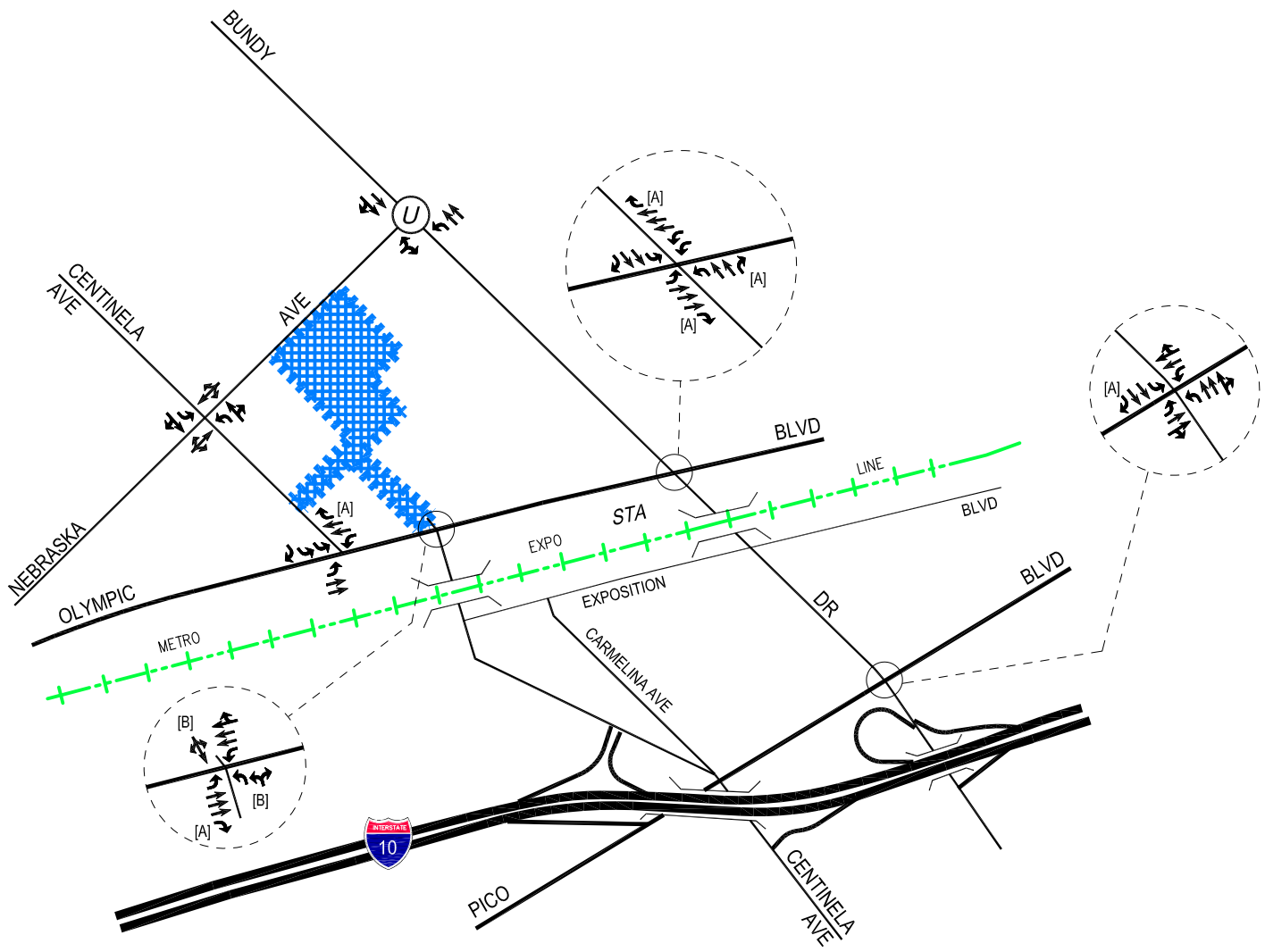
4.3 Roadway Classifications

The City of Los Angeles utilizes the roadway categories recognized by regional, state and federal transportation agencies. There are four categories in the roadway hierarchy, ranging from freeways with the highest capacity to two-lane undivided roadways with the lowest capacity. The roadway categories are summarized as follows:

- *Freeways* are limited-access and high speed travel ways included in the state and federal highway systems. Their purpose is to carry regional through-traffic. Access is provided by interchanges with typical spacing of one mile or greater. No local access is provided to adjacent land uses.

Table 4-1
LIST OF STUDY INTERSECTIONS

NO.	INTERSECTION	TRAFFIC CONTROL	JURISDICTION(S)
1	Centinela Avenue / Nebraska Avenue	Signalized	City of Los Angeles
2	Centinela Avenue / Olympic Boulevard (Northbound)	Signalized	City of Los Angeles
3	Centinela Avenue / Olympic Boulevard (Southbound)	Signalized	City of Los Angeles
4	Bundy Drive / Nebraska Avenue	Unsignalized	City of Los Angeles
5	Bundy Drive / Olympic Boulevard	Signalized	City of Los Angeles
6	Bundy Drive / Pico Boulevard	Signalized	City of Los Angeles



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U UNSIGNALIZED INTERSECTION

[A] OVERLAP PHASE

[B] SPLIT PHASE OPERATION

LINSCOTT, LAW & GREENSPAN, engineers

FIGURE 4-1
EXISTING LANE CONFIGURATIONS

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

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- *Arterial* roadways are major streets that primarily serve through-traffic and provide access to abutting properties as a secondary function. Arterials are generally designed with two to six travel lanes and their major intersections are signalized. This roadway type is divided into two categories: principal and minor arterials. Principal arterials are typically four-or-more lane roadways and serve both local and regional through-traffic. Minor arterials are typically two-to-four lane streets that service local and commute traffic.

- *Collector* roadways are streets that provide access and traffic circulation within residential and non-residential (e.g., commercial and industrial) areas. Collector roadways connect local streets to arterials and are typically designed with two through travel lanes (i.e., one through travel lane in each direction) that may accommodate on-street parking. They may also provide access to abutting properties.

- *Local* roadways distribute traffic within a neighborhood, or similar adjacent neighborhoods, and are not intended for use as a through-street or a link between higher capacity facilities such as collector or arterial roadways. Local streets are fronted by residential uses and do not typically serve commercial uses.

4.4 Roadway Descriptions

A review of the important roadways in the project site vicinity and study area are summarized in ***Table 4-2***. As indicated in *Table 4-2*, the important roadways within the project study area were reviewed in terms of the number of lanes provided, posted speed limits, etc. Additionally, the roadway classifications also are presented in *Table 4-2*.

4.5 Existing Transit Services[8]

Public bus transit service is provided within the LADWP West Los Angeles Yard Demolition & Construction project study area. Public bus transit service is currently provided by Los Angeles County Metropolitan Transit Authority (Metro) and City of Santa Monica Big Blue Bus. A summary of the existing transit service, including the transit route, destinations, and peak hour headways is presented in ***Table 4–3***. The existing public transit routes in the LADWP West Los Angeles Yard Demolition & Construction project site vicinity are illustrated in ***Figure 4–2***.

[8] Walk Score also calculates a transit score based on the number and proximity of bus and rail routes near the project site. For example, refer to http://www.walkscore.com/, which generates a transit score of approximately 67 (Good Transit) out of 100 for the project site. Walk Score calculates the transit score of an address by locating nearby bus/rail transit routes and stops. Walk Score measures how easy it is to live a car-lite lifestyle—not how pretty the area is for using transit service.

Table 4-2
EXISTING ROADWAY DESCRIPTIONS

Roadway	Classification [1]	Travel Lanes		Median	Speed
		Direction [2]	No. Lanes [3]	Types [4]	Limit
Centinela Avenue					
Wilshire Blvd to I-10 Fwy Ramps	Collector Street	N-S	2	2WLT	30
I-10 Fwy Ramps to Ocean Park Blvd	Collector Street	N-S	4	N/A	30
Bundy Drive					
Wilshire Blvd to Airport Ave	Avenue I	N-S	4	2WLT	35
Nebraska Avenue					
Centinela Ave to Beloit Ave	Collector Street	E-W	2	N/A	25
Olympic Boulevard					
Centinela Ave to Century Park East	Boulevard II	E-W	6	2WLT	35
Pico Boulevard					
Centinela Ave to Gateway Blvd	Avenue I	E-W	4	2WLT	35
Gateway Blvd to Sepulveda Blvd	Avenue I	E-W	6	N/A	35

Notes:
[1] Roadway classifications obtained from the *City of Los Angeles Mobility Plan 2035*, Adopted January 20, 2016.
[2] Direction of roadways in the project area: NB-SB - northbound and southbound; and EB-WB - eastbound and westbound.
[3] Number of lanes in both directions on the roadway.
[4] Median type of the road: RMI - Raised Median Island; 2WLT - 2-Way Left-Turn Lane; and N/A-Not Applicable.

Table 4-3
EXISTING TRANSIT ROUTES [1]

ROUTE	DESTINATIONS	ROADWAY(S) NEAR SITE	NO. OF BUSES/TRAINS DURING PEAK HOUR		
			DIR	AM	PM
Big Blue Bus Route 5	Santa Monica to Palms via West Los Angeles, Rancho Park, Century City and Cheviot Hills	Centinela Avenue, Bundy Drive, Olympic Boulevard	EB WB	3 3	3 3
Big Blue Bus Route 7	Santa Monica to Mid City via West Los Angeles, Century City and Beverlywood	Bundy Drive, Pico Boulevard	EB WB	4 4	4 4
Big Blue Bus Rapid 10	Santa Monica to Downtown Los Angeles via West Los Angeles	Bundy Drive, Pico Boulevard	EB WB	3 3	3 3
Big Blue Bus Route 14	Playa Vista to Brentwood via Culver City, Mar Vista and West Los Angeles	Bundy Drive, Nebraska Avenue, Olympic Boulevard, Pico Boulevard	NB SB	4 4	4 4
Big Blue Bus Route 15	West Los Angeles to Brentwood	Bundy Drive, Olympic Boulevard, Pico Boulevard	NB SB	2 2	2 2
Metro Expo Line	Downtown Los Angeles to Santa Monica via Exposition Park, Jefferson Park, West Adams, Culver City, Century City, and West Los Angeles	Bundy Drive, Olympic Boulevard	EB WB	10 10	10 10
			Total	52	52

[1] Sources: City of Santa Monica (Big Blue Bus) and Los Angeles County Metropolitan Transportation Authority (Metro) websites, 2017.

MAP SOURCE: METROPOLITAN TRANSPORTATION AUTHORITY (METRO) WEBSITE 2017

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FIGURE 4-2
EXISTING TRANSIT ROUTES

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LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

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5.0 TRAFFIC COUNTS

Manual counts of vehicular turning movements were conducted at each of the study intersections during the weekday morning (AM) and afternoon (PM) commute periods to determine the peak hour traffic volumes. The manual counts were conducted by an independent traffic count subconsultant (City Traffic Counters) at the study intersections from 7:00 to 10:00 AM to determine the weekday AM peak commute hour, and from 3:00 to 6:00 PM to determine the weekday PM peak commute hour. In conjunction with the manual turning movement vehicle counts, a count of bicycle and pedestrian volumes were also collected during the peak periods. It is noted that all of the traffic counts were conducted when local schools were in session. Traffic volumes at the study intersections show the typical peak periods between 7:00 to 10:00 AM and 3:00 to 6:00 PM generally associated with metropolitan Los Angeles weekday peak commute hours.

The weekday and weekend peak hour manual counts of vehicle movements at the study intersections are summarized in ***Table 5-1***. The existing traffic volumes at the study intersections during the weekday AM and PM peak hours are shown in ***Figures 5-1*** and ***5-2***, respectively. Summary data worksheets of the manual traffic counts at the study intersections are contained in ***Appendix B***.

Table 5-1
EXISTING TRAFFIC VOLUMES [1]
WEEKDAY AM AND PM PEAK HOURS

NO.	INTERSECTION	DATE	DIR	AM PEAK HOUR		PM PEAK HOUR	
				BEGAN	VOLUME	BEGAN	VOLUME
1	Centinela Avenue/ Nebraska Avenue	11/16/2017	NB	8:30	1,100	5:00	735
			SB		545		668
			EB		155		452
			WB		82		138
2	Centinela Avenue (West)/ Olympic Boulevard	11/16/2017	NB	8:00	0	5:00	0
			SB		575		995
			EB		744		1,146
			WB		2,149		1,510
3	Centinela Avenue (East)/ Olympic Boulevard	11/16/2017	NB	8:15	888	4:45	527
			SB		17		34
			EB		1,210		2,100
			WB		1,595		1,107
4	Bundy Drive/ Nebraska Avenue	11/16/2017	NB	8:00	1,244	4:00	1,348
			SB		1,343		1,022
			EB		93		193
			WB		0		0
5	Bundy Drive/ Olympic Boulevard	11/16/2017	NB	8:00	1,343	4:30	1,190
			SB		1,148		911
			EB		948		1,467
			WB		1,822		1,661
6	Bundy Drive/ Pico Boulevard	11/16/2017	NB	8:00	1,663	4:45	1,451
			SB		1,198		1,332
			EB		1,028		1,259
			WB		1,026		715

[1] Counts conducted by The Traffic Solution.

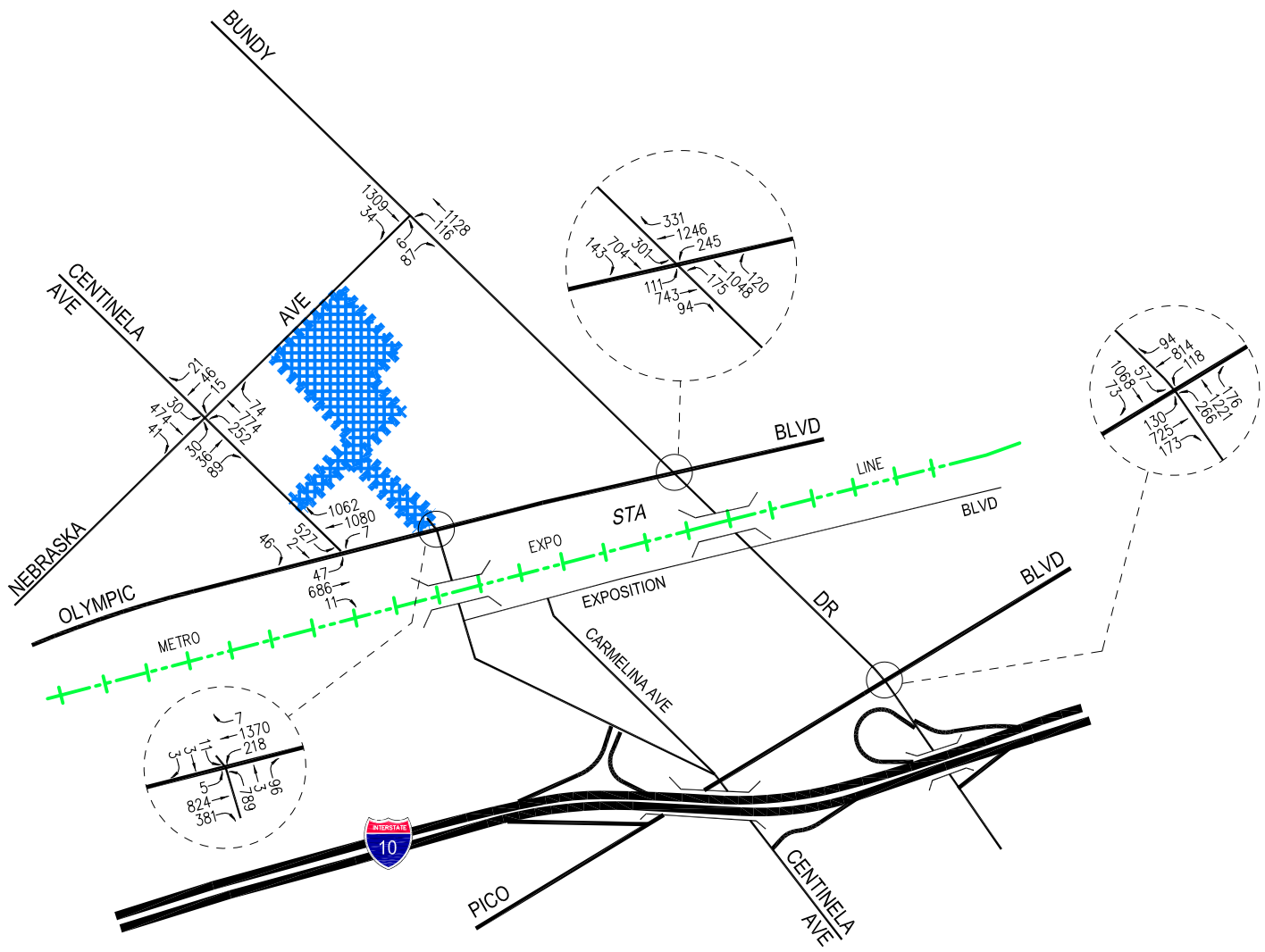

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FIGURE 5-1
EXISTING TRAFFIC VOLUMES

WEEKDAY AM PEAK HOUR

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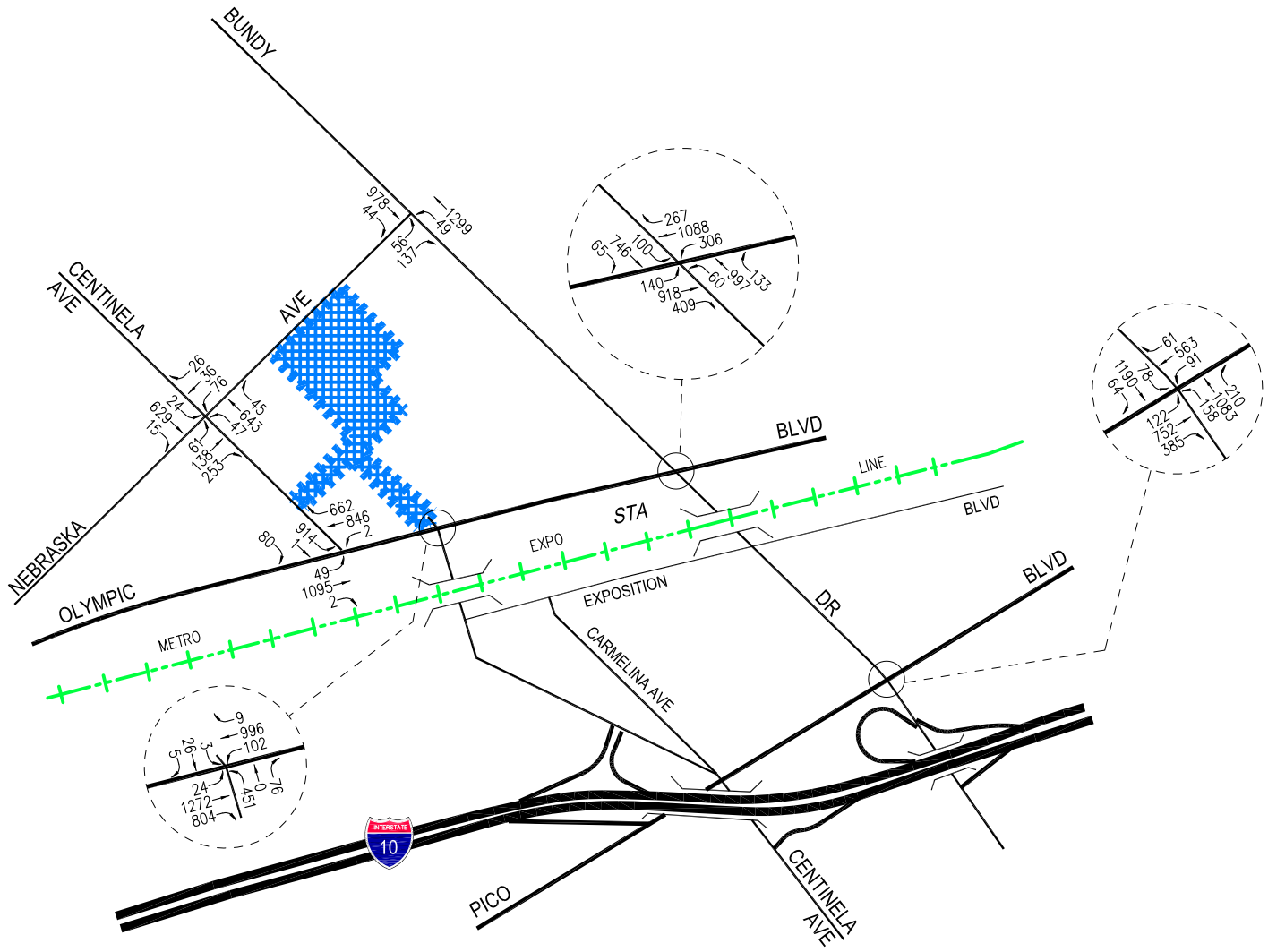

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FIGURE 5-2
EXISTING TRAFFIC VOLUMES

WEEKDAY PM PEAK HOUR

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

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6.0 CUMULATIVE DEVELOPMENT PROJECTS

The forecast of future pre-project conditions was prepared in accordance with procedures outlined in Section 15130 of the CEQA Guidelines. Specifically, the CEQA Guidelines provides two options for developing the future traffic volume forecast:

> "(A) A list of past, present, and probable future projects producing related or cumulative impacts, including, if necessary, those projects outside the control of the [lead] agency, or
>
> (B) A summary of projections contained in an adopted local, regional or statewide plan, or related planning document, that describes or evaluates conditions contributing to the cumulative effect. Such plans may include: a general plan, regional transportation plan, or plans for the reduction of greenhouse gas emissions. A summary of projections may also be contained in an adopted or certified prior environmental document for such a plan. Such projections may be supplemented with additional information such as a regional modeling program. Any such document shall be referenced and made available to the public at a location specified by the lead agency."

Accordingly, the traffic analysis provides a highly conservative estimate of future pre-project traffic volumes as it incorporates both the "A" and "B" options outlined in the CEQA Guidelines for purposes of developing the forecast.

6.1 Related Projects

A forecast of on-street traffic conditions prior to occupancy of the proposed project was prepared by incorporating the potential trips associated with other known development projects (related projects) in the area. With this information, the potential impact of the proposed project can be evaluated within the context of the cumulative impact of all ongoing development. The related projects research was based on information on file at the City of Los Angeles Departments of Transportation and Planning, as well as the City of Santa Monica. The list of related projects in the project site area is presented in ***Table 6-1***. The location of the related projects are shown in ***Figure 6-1***.

Traffic volumes expected to be generated by the related projects were calculated using rates provided in the Institute of Transportation Engineers' (ITE) *Trip Generation Manual*[9]. The related projects' respective traffic generation for the weekday AM and PM peak hours, as well as on a daily basis for a typical weekday, is summarized in *Table 6-1*. The distribution of the related projects traffic volumes to the study intersections during the weekday AM and PM peak hours are displayed in ***Figures 6-2*** and ***6-3***, respectively.

[9] Institute of Transportation Engineers *Trip Generation* manual, 9th Edition, 2012, Washington, D.C.

Table 6-1
RELATED PROJECTS LIST AND TRIP GENERATION [1]

MAP NO.	PROJECT STATUS	PROJECT NAME/NUMBER ADDRESS/LOCATION	LAND USE DATA		PROJECT DATA SOURCE	DAILY TRIP ENDS [2] VOLUMES	AM PEAK HOUR VOLUMES [2]			PM PEAK HOUR VOLUMES [2]		
			LAND-USE	SIZE			IN	OUT	TOTAL	IN	OUT	TOTAL
			City of Los Angeles									
L1	Proposed	Vons Supermarket 11660 West Santa Monica Boulevard	Supermarket	53,000 GSF	[1]	1,946	51	32	83	45	28	73
L2	Under Construction	Westside Family YMCA 1466 South Westgate Avenue	Recreational Community Center	65,000 GSF	[1]	1,204	52	33	85	27	46	73
L3	Proposed	Pico - Sepulveda Mixed Use 11122 West Pico Boulevard	Apartment Retail Supermarket	538 DU 212,000 GLSF 54,000 GSF	[1]	1,280	9	34	43	88	47	135
L4	Proposed	11600 West Wilshire Boulevard	Medical Office Building	120,874 GSF	[1]	1,280	34	9	43	38	97	135
L5	Under Construction	The Picasso Mixed Use 12029 West Wilshire Boulevard	Apartment Specialty Retail	108 DU 13,000 GLSF	[1]	789	(10)	40	30	39	(3)	36
L6	Proposed	Martin Expo Town Center 12101 West Olympic Boulevard	Apartment Retail Office	516 DU 67,000 GLSF 200,000 GSF	[1]	6,330	227	212	439	241	225	466
L7	Proposed	11421 West Olympic Boulevard	Apartment Retail	89 DU 6,030 GLSF	[1]	682	10	36	46	34	21	55
L8	Under Construction	1900 South Sawtelle Boulevard	Apartment Restaurant	52 DU 3,300 GSF	[1]	327	13	28	41	34	21	55
L9	Proposed	11750 West Wilshire Boulevard	Apartment Retail	376 DU	[1]	(400)	(22)	99	77	(22)	(64)	(86)
L10	Proposed	11800 West Santa Monica Boulevard	Apartment Specialty Retail	175 DU	[1]	1,824	13	64	77	115	89	204
L11	Proposed	2231 South Barrington Avenue	Restaurant Catering Office	6,904 GSF 2,750 GSF 9,731 GSF	[1]	610	24	11	35	34	39	73
L12	Proposed	11355 West Olympic Boulevard	Office	120,242 GSF	[1]	1,246	133	33	166	49	122	171
L13	Proposed	11460 West Gateway Boulevard	Apartment Specialty Retail	128 DU 5,153 GLSF	[1]	1,107	(1)	84	83	51	17	68
L14	Proposed	12300 West Wilshire Boulevard	Medical Office Building	33,392 GSF	[1]	838	17	11	28	24	29	53
L15	Proposed	11750 West Santa Monica Boulevard	Apartment	187 DU	[1]	1,006	(5)	65	60	80	36	116

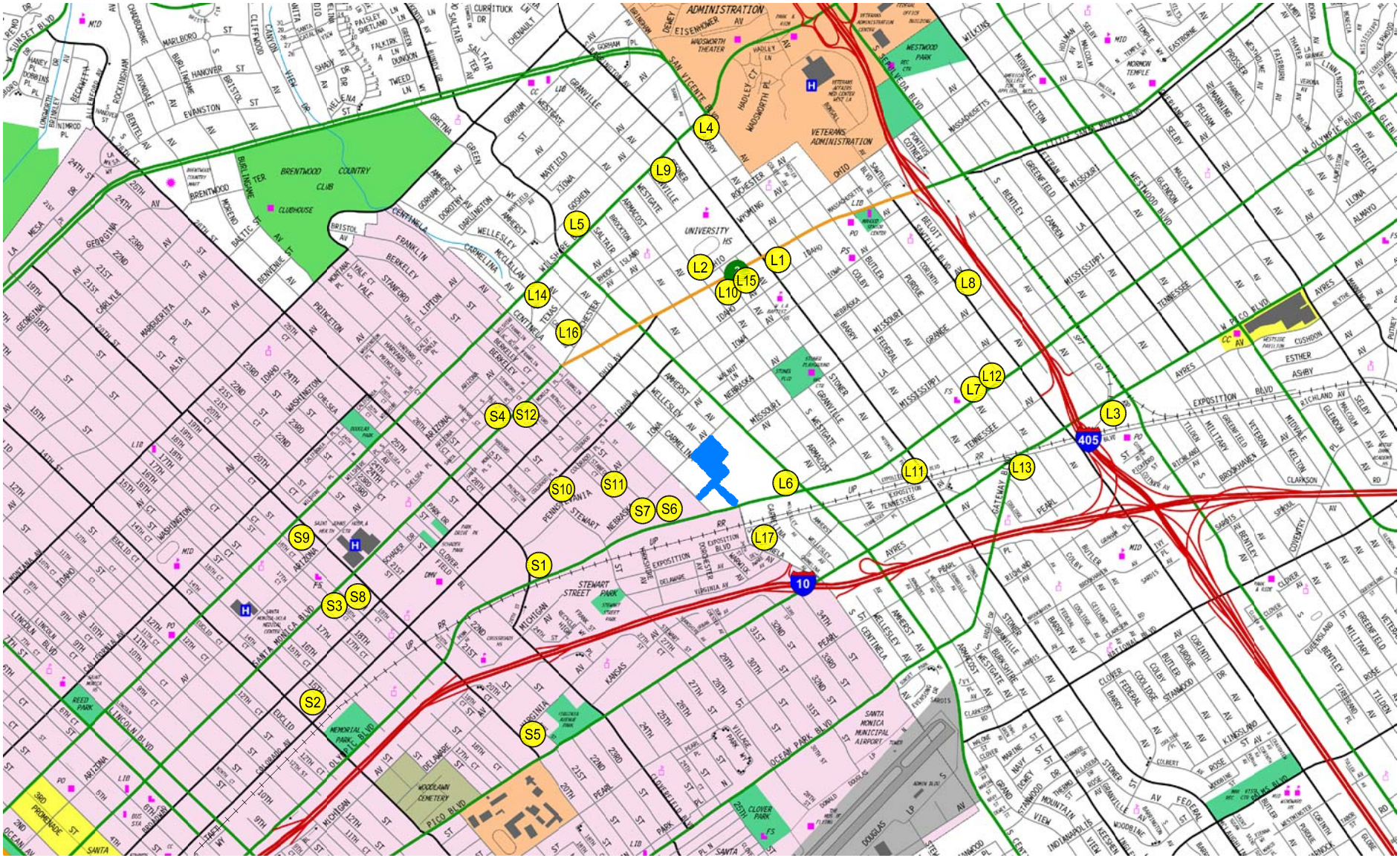
Table 6-1 (Continued)
RELATED PROJECTS LIST AND TRIP GENERATION [1]

MAP NO.	PROJECT STATUS	PROJECT NAME/NUMBER ADDRESS/LOCATION	LAND USE DATA LAND-USE	LAND USE DATA SIZE	PROJECT DATA SOURCE	DAILY TRIP ENDS [2] VOLUMES	AM PEAK HOUR VOLUMES [2] IN	AM PEAK HOUR VOLUMES [2] OUT	AM PEAK HOUR VOLUMES [2] TOTAL	PM PEAK HOUR VOLUMES [2] IN	PM PEAK HOUR VOLUMES [2] OUT	PM PEAK HOUR VOLUMES [2] TOTAL
L16	Proposed	12431 West Rochester Avenue	Apartment	50 DU	[1]	333	5	21	26	16	9	25
L17	Proposed	12414 West Exposition Boulevard	Office	70,844 GSF	[1]	584	81	9	90	17	107	124
City of Santa Monica												
S1	Under Construction	Bergamot Transit Village Center 1681 South 26th Street	Shopping Center	84,000 GLSF	[1]	15,340	607	372	979	564	612	1,176
			Office	567,000 GSF								
			Apartment	325 DU								
S2	Proposed	1431 Colorado Avenue	Apartment	50 DU	[3]	333	5	21	26	20	11	31
			Retail	10,475 GLSF	[4]	447	6	4	10	19	20	39
			Restaurant	2,110 GSF	[5]	268	13	10	23	13	8	21
S3	Proposed	1802 Santa Monica Boulevard	Apartment	23 DU	[3]	153	2	10	12	9	5	14
			Restaurant	1,390 GSF	[5]	177	8	7	15	8	6	14
			Auto Dealer	13,590 GSF	[6]	439	20	6	26	14	22	36
S4	Proposed	2901 Santa Monica Boulevard	Apartment	60 DU	[3]	399	6	25	31	24	13	37
			Retail	5,100 GLSF	[4]	218	3	2	5	9	10	19
S5	Proposed	2020 Virginia Avenue	Apartment	21 DU	[3]	140	2	9	11	8	5	13
S6	Proposed	3025 Olympic Boulevard	Apartment	174 DU	[3]	1,157	18	71	89	70	38	108
			Retail	8,500 GLSF	[4]	363	5	3	8	15	17	32
			Office	75,247 GSF	[7]	830	103	14	117	19	93	112
S7	Proposed	3030 Nebraska Avenue	Apartment	177 DU	[3]	1,177	18	72	90	72	38	110
			Office	66,100 GSF	[7]	729	91	12	103	17	81	98
S8	Proposed	1419 19th Street	Medical Office Building	5,342 GSF	[8]	193	10	3	13	5	14	19
S9	Proposed	1242 20th Street	Medical Office Building	110,500 GSF	[8]	3,992	209	55	264	110	284	394
S10	Under Construction	2848-2912 Colorado Avenue	Apartment	282 DU	[3]	1,875	29	115	144	114	61	175
			Retail	19,610 GLSF	[4]	837	12	7	19	35	38	73
			Restaurant	4,990 GSF	[5]	634	30	24	54	29	20	49
			Office	4,500 GSF	[7]	50	6	1	7	1	6	7
S11	Under Construction	2930 Colorado Avenue	Condominiums	216 DU	[9]	1,255	16	79	95	75	37	112
			Apartment	161 DU	[3]	1,071	16	66	82	65	35	100
			Office	4,250 GSF	[7]	47	6	1	7	1	5	6
			Retail	20,700 GLSF	[4]	884	12	8	20	37	40	77

Table 6-1 (Continued)
RELATED PROJECTS LIST AND TRIP GENERATION [1]

MAP NO.	PROJECT STATUS	PROJECT NAME/NUMBER ADDRESS/LOCATION	LAND USE DATA		PROJECT DATA SOURCE	DAILY TRIP ENDS [2] VOLUMES	AM PEAK HOUR VOLUMES [2]			PM PEAK HOUR VOLUMES [2]		
			LAND-USE	SIZE			IN	OUT	TOTAL	IN	OUT	TOTAL
S12	Proposed	3008 Santa Monica Boulevard	Apartment	26 DU	[3]	173	3	10	13	10	6	16
			Retail	3,397 GLSF	[4]	145	2	1	3	6	7	13
TOTAL						54,312	1,889	1,829	3,718	2,279	2,398	4,677

[1] Source: City of Los Angeles Department of Transportation (LADOT), Department of City Planning (LADCP) and City of Santa Monica Planning & Community Development, except as noted below.
The peak hour traffic volumes were forecast based on trip data provided by LADOT and by applying trip rates as provided in the ITE "Trip Generation Manual", 9th Edition, 2012.
[2] Trips are one-way traffic movements, entering or leaving.
[3] ITE Land Use Code 220 (Apartment) trip generation average rates.
[4] ITE Land Use Code 820 (Shopping Center) trip generation average rates.
[5] ITE Land Use Code 932 (High-Turnover [Sit-Down] Restaurant) trip generation average rates.
[6] ITE Land Use Code 841 (Automobile Sales) trip generation average rates.
[7] ITE Land Use Code 710 (General Office Building) trip generation average rates.
[8] ITE Land Use Code 720 (Medical-Dental Office Building) trip generation average rates.
[9] ITE Land Use Code 230 (Residential Condominium/Townhouse) trip generation average rates.



MAP SOURCE: RAND MCNALLY & COMPANY

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L CITY OF LOS ANGELES RELATED PROJECT

S CITY OF SANTA MONICA RELATED PROJECT

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FIGURE 6-1
LOCATION OF RELATED PROJECTS

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

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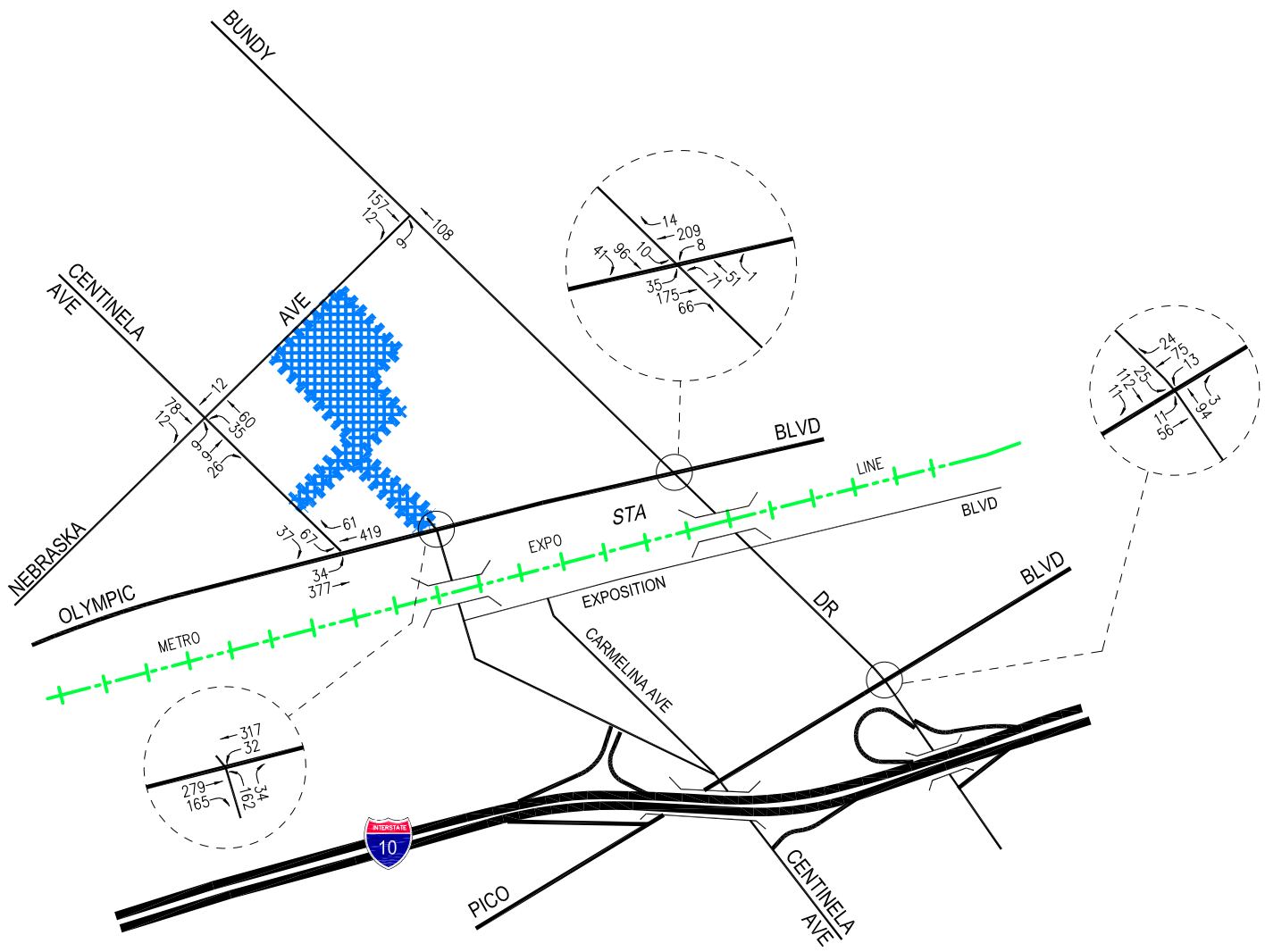

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FIGURE 6-2
RELATED PROJECTS TRAFFIC VOLUMES

WEEKDAY AM PEAK HOUR

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

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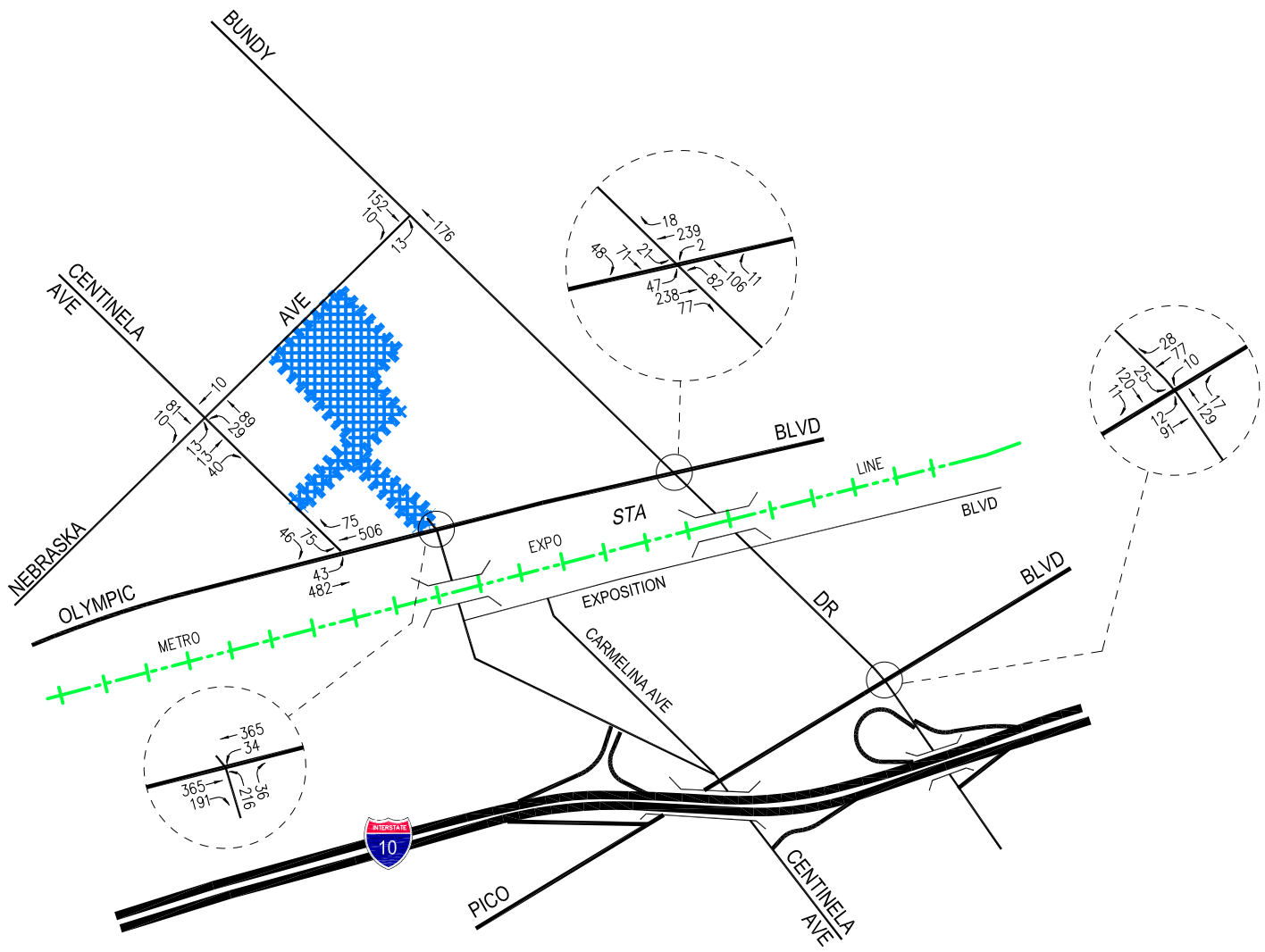

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FIGURE 6-3
RELATED PROJECTS TRAFFIC VOLUMES

WEEKDAY PM PEAK HOUR

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

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6.2 Ambient Traffic Growth Factor

In order to account for area-wide regional growth not included in this analysis, the existing traffic volumes were increased at an annual rate of one percent (1.0%) to the year 2028. This provides a conservative forecast since the project construction is expected to be completed by June 2017. The ambient growth factor was based on general traffic growth factors provided in the *2010 Congestion Management Program for Los Angeles County* (the "CMP manual") and determined in consultation with City staff. It is noted that based on review of the general traffic growth factors provided in the CMP manual for the project study area (i.e., Regional Statistical Area 16 includes West Los Angeles), it is anticipated that the existing traffic volumes are expected to increase at an annual rate of less than 1.0% per year between the years 2015 and 2030. Thus, application of the 1.0% annual growth factor allows for a conservative forecast of future traffic volumes in the area that likely overstates future traffic volumes. Further, it is noted that the CMP manual's traffic growth rate is intended to anticipate future traffic generated by development projects in the project vicinity. Thus, the inclusion in this traffic analysis of both a forecast of traffic generated by known related projects plus the use of an ambient traffic growth factor based on CMP traffic model data results in a conservative estimate of future traffic volumes at the study intersections.

7.0 TRAFFIC FORECASTING METHODOLOGY

In order to estimate the traffic impact characteristics of the LADWP West Los Angeles Yard Demolition & Construction project, a multi-step process has been utilized. The first step is trip generation, which estimates the total arriving and departing traffic volumes on a peak hour and daily basis. The traffic generation potential is forecast by applying the appropriate vehicle trip generation equations or rates to the project development tabulation.

The second step of the forecasting process is trip distribution, which identifies the origins and destinations of inbound and outbound project traffic volumes. These origins and destinations are typically based on demographics and existing/anticipated travel patterns in the study area.

The third step is traffic assignment, which involves the allocation of project traffic to study area streets and intersections. Traffic assignment is typically based on minimization of travel time, which may or may not involve the shortest route, depending on prevailing operating conditions and travel speeds. Traffic distribution patterns are indicated by general percentage orientation, while traffic assignment allocates specific volume forecasts to individual roadway links and intersection turning movements throughout the study area.

With the forecasting process complete and project traffic assignments developed, the impact of the proposed project is isolated by comparing operational (i.e., Levels of Service) conditions at the selected key intersections using existing and expected future traffic volumes without and with forecast project traffic. The need for site-specific and/or cumulative local area traffic improvements can then be evaluated and the significance of the project's impacts identified.

7.1 Project Traffic Generation

The resource typically used by traffic engineers (including the City of Los Angeles) to forecast trip generation for development projects is the ITE *Trip Generation Manual*. However, in this instance, the ITE manual does not provide trip rates for a land use such as the proposed project. The LADWP West Los Angeles Yard Demolition & Construction project is unique due to the nature of the project's land use components, operations, and unique hours of operation. Therefore, it was determined in consultation with City staff that it would be appropriate to forecast the trips generated by the project based on derived site-specific trip generation rates rather than trip rates published in the ITE *Trip Generation Manual.*

In order to review the characteristics and level of overall existing site traffic generation, weekday manual peak period traffic counts were conducted at the existing site. Specifically, manual traffic counts were conducted by a traffic count subconsultant (The Traffic Solution) on an hourly basis (in 15-minute time increments) at the five existing active site driveways (i.e., those driveways that are also included in the portion of the site that will be improved) for the following time periods:

- Weekday AM Peak Period: 6:00 to 10:00 AM

- Weekday PM Peak Period: 3:00 to 7:30 PM

The locations of the existing site driveways observed for the trip generation assessment are noted in *Figure 2-1*. The existing site driveway traffic counts were conducted on Wednesday, October 4, 2017, and Thursday, October 5, 2017, in order for LLG to develop site-specific weekday trip generation rates. Through conduct of these counts, the number of existing vehicle trips arriving and departing the site during the peak hours was determined, and when compared to the existing number of employees, site-specific trip generation rates (i.e., on a per employee basis) were derived for the site. The existing site driveway traffic count data worksheets are contained in ***Appendix C*** (refer to *Appendix Table C*).

The traffic count data for the observation locations were compiled, reviewed and analyzed to determine the highest one-hour period of traffic volume at the site during both the weekday morning and afternoon commute periods for each observation day. The summary of the existing site counts during the weekday conditions is provided in *Appendix Table C*. The weekday morning and afternoon peak hour counts for each day were then averaged (i.e., two-day average) for purposes of developing the site-specific weekday trip generation rates. As indicated in *Appendix Table C*, the existing facility peak hour traffic generation is as follows for the weekday condition:

- Weekday Average AM Peak Hour:
  - 17.5 inbound trips
  - 28.5 outbound trips
  - 46 total trips
- Weekday Average PM Peak Hour:
  - 19 inbound trips
  - 45 outbound trips
  - 64 total trips

As summarized in ***Table 7-1*** (and *Appendix Table C*), the empirical trip rates derived from the site counts for the existing facility (i.e., based on 120 existing employees) are as follows:

- Weekday AM Peak Hour:
  - 0.146 inbound trips per employee
  - 0.238 outbound trips per employee
  - 0.384 total trips per employee

Table 7-1
PROJECT TRIP GENERATION [1]

TRIP GENERATION RATES [2]								
		DAILY TRIP	**AM PEAK HOUR TRIP RATE**			**PM PEAK HOUR TRIP RATE**		
LAND USE	**VARIABLE**	**RATE**	**IN**	**OUT**	**TOTAL**	**IN**	**OUT**	**TOTAL**
Existing WLA District Yard	Per Employee	4.583	0.146	0.238	0.384	0.158	0.375	0.533
Distribution Split			38%	62%	100%	30%	70%	100%
PROJECT TRIP GENERATION								
		DAILY TRIP END	**AM PEAK HOUR VOLUMES [3]**			**PM PEAK HOUR VOLUMES [3]**		
LAND USE	**SIZE**	**VOLUMES [3]**	**IN**	**OUT**	**TOTAL**	**IN**	**OUT**	**TOTAL**
Proposed Project								
WLA District Yard	200 Employees	917	29	48	77	32	75	107
Less Existing Site								
WLA District Yard	(120) Employees	(550)	(17)	(29)	(46)	(19)	(45)	(64)
NET NEW VEHICLE TRIPS		***367***	***12***	***19***	***31***	***13***	***30***	***43***

[1] Trips are one-way traffic movements, entering or leaving.
[2] Refer to Table C contained in Appendix C for derivation of empirical trip rates.
[3] Trip generation forecast based on empirical trip rates shown above.

- Weekday PM Peak Hour:
  - 0.158 inbound trips per employee
  - 0.375 outbound trips per employee
  - 0.533 total trips per employee

In order to develop daily trip rates for the existing facility, the daily trip ends were estimated based on the assumption that the average peak hours (i.e., the average of the AM and PM peak hour trips) represent ten percent (10%) of the total daily trip ends.

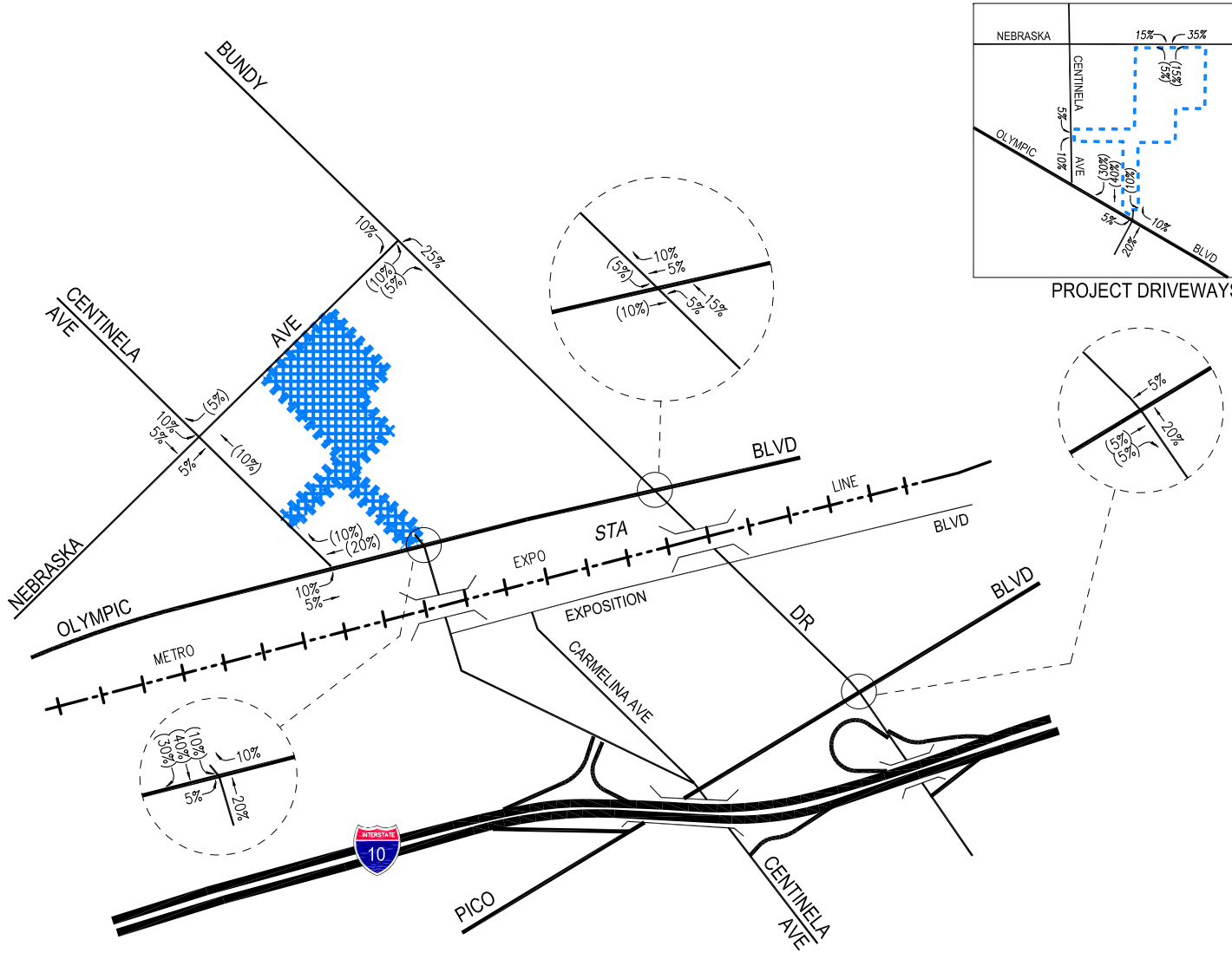
The weekday trip generation rates and forecast of the vehicular trips anticipated to be generated by the proposed project are presented in *Table 7-1*. The trip generation forecast for the proposed project was submitted for review and approval by LADOT staff. As presented in *Table 7-1*, the proposed project is expected to generate a net increase of 31 vehicle trips (12 inbound trips and 19 outbound trips) during the weekday AM peak hour. During the weekday PM peak hour, the proposed project is expected to generate a net increase of 43 vehicle trips (13 inbound trips and 30 outbound trips). Over a 24-hour period, the proposed project is forecast to generate a net increase of 367 daily trip ends during a typical weekday (approximately 184 inbound trips and 184 outbound trips).

7.2 Project Traffic Distribution and Assignment

Project traffic volumes both entering and exiting the site have been distributed and assigned to the adjacent street system based on the following considerations:

- The site's proximity to major traffic corridors (i.e., Santa Monica Boulevard, Olympic Boulevard, Pico Boulevard, Centinela Avenue, etc.);
- Expected localized traffic flow patterns based on adjacent roadway channelization and presence of traffic signals;
- Existing intersection traffic volumes;
- Existing site parcel access ingress/egress schemes;
- Nearby population and employment centers; and
- Input from LADOT staff.

The project traffic volume distribution percentages during weekday AM and PM peak hours at the study intersections are illustrated in ***Figure 7-1***. The forecast net new project traffic volumes at the study intersections for the weekday AM and PM peak hours are displayed in ***Figures 7-2*** and ***7-3***, respectively. The traffic volume assignments presented in *Figures 7-2* and *7-3* reflect the traffic



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PROJECT SITE

XX = INBOUND PERCENTAGES
(XX) = OUTBOUND PERCENTAGES

FIGURE 7-1
PROJECT TRIP DISTRIBUTION

LINSCOTT, LAW & GREENSPAN, engineers

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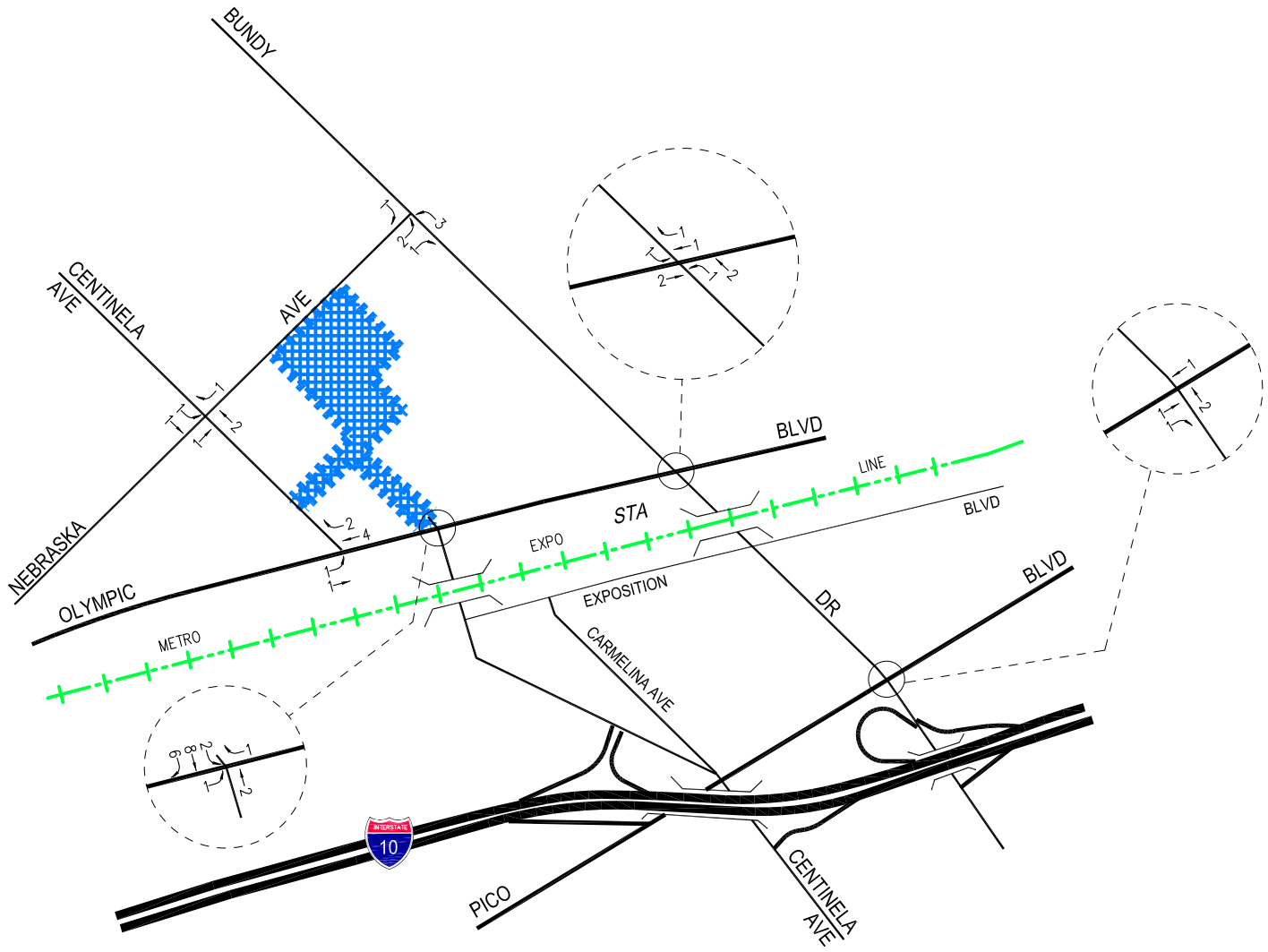

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FIGURE 7-2
NET NEW PROJECT TRAFFIC VOLUMES

WEEKDAY AM PEAK HOUR

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

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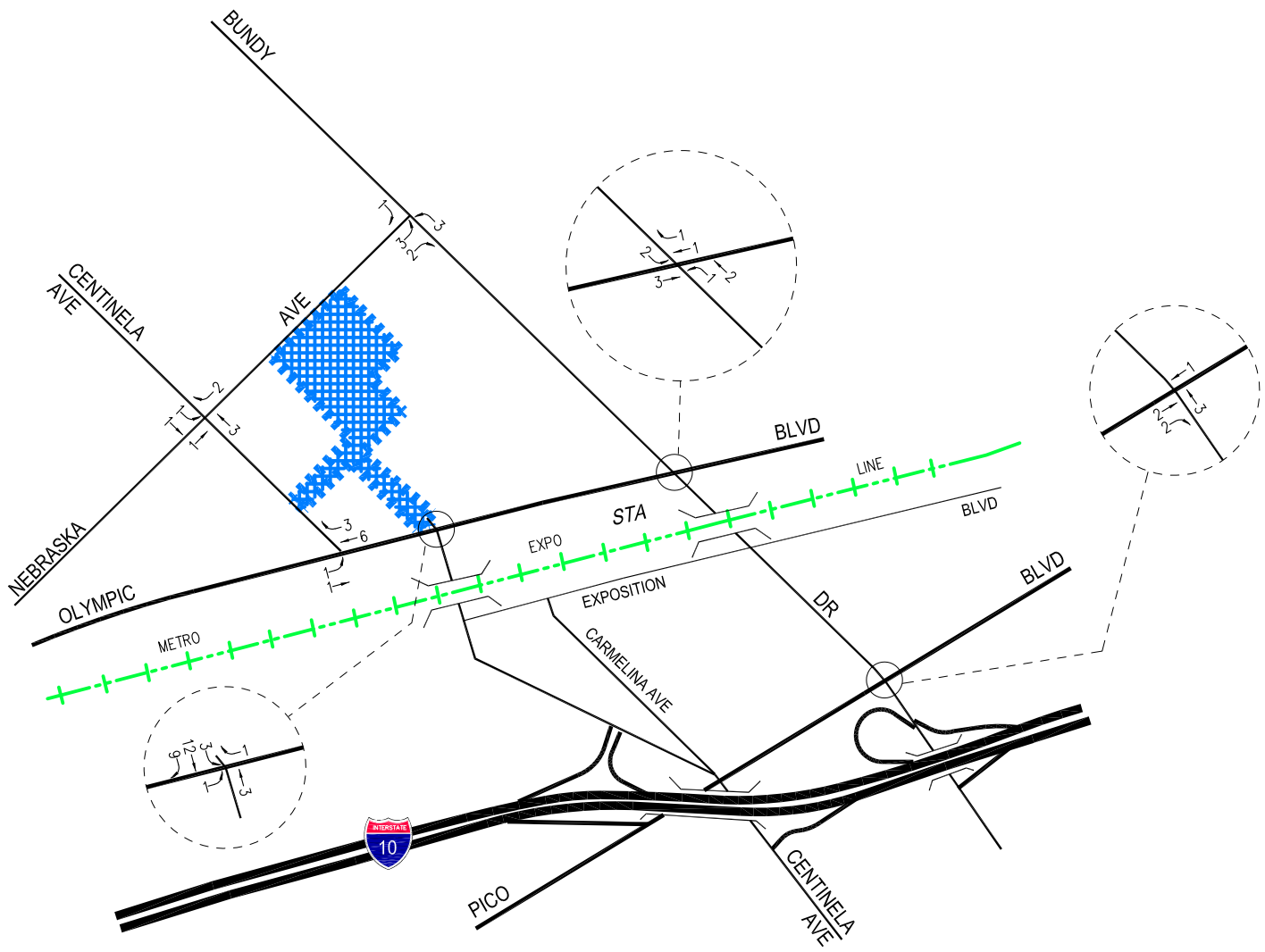

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PROJECT SITE

FIGURE 7-3
NET NEW PROJECT TRAFFIC VOLUMES

WEEKDAY PM PEAK HOUR

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

LINSCOTT, LAW & GREENSPAN, engineers

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distribution characteristics shown in *Figure 7-1* and the project traffic generation forecasts presented in *Table 7-1*.

8.0 TRAFFIC IMPACT ANALYSIS METHODOLOGY

The study intersections were evaluated using the Critical Movement Analysis (CMA) method of analysis which determines Volume-to-Capacity (*v/c*) ratios on a critical lane basis. The overall intersection *v/c* ratio is subsequently assigned a Level of Service (LOS) value to describe intersection operations. Level of Service varies from LOS A (free flow) to LOS F (jammed condition). A description of the CMA method and corresponding Level of Service is provided in ***Appendix D***.

8.1 Intersection Impact Criteria and Thresholds

The relative impact of the added project traffic volumes to be generated by the proposed project during the weekday AM and PM peak hours was evaluated based on analysis of existing and future operating conditions at the study intersections, without and with the proposed project. The previously discussed capacity analysis procedures were utilized to evaluate the future *v/c* relationships and service level characteristics at each study intersection.

The significance of the potential impacts of project-generated traffic was identified using the traffic impact criteria set forth in LADOT's *Transportation Impact Study Guidelines*, December 2016. According to the City's published traffic study guidelines, the impact is considered significant if the project-related increase in the *v/c* ratio equals or exceeds the thresholds presented in ***Table 8–1***.

Table 8-1
CITY OF LOS ANGELES
INTERSECTION IMPACT THRESHOLD CRITERIA

Final *v/c*	**Level of Service**	**Project Related Increase in *v/c***
> 0.701 - 0.800	C	equal to or greater than 0.040
> 0.801 - 0.900	D	equal to or greater than 0.020
>0.901	E or F	equal to or greater than 0.010

The City's Sliding Scale Method requires mitigation of project traffic impacts whenever traffic generated by the proposed development causes an increase of the analyzed intersection *v/c* ratio by an amount equal to or greater than the values shown above.

8.2 Intersection Traffic Impact Analysis Scenarios

Traffic impacts at the study intersections were analyzed for the following conditions:

[a] Existing conditions.

[b] Existing with project conditions.

[c] Condition [b] with implementation of project mitigation measures, where necessary.

[d] Condition [a] plus one percent (1.0%) annual ambient traffic growth through year 2028 and with completion and occupancy of the related projects (i.e., future without project conditions).

[e] Condition [d] with completion and occupancy of the proposed project.

[f] Condition [e] with implementation of project mitigation measures, where necessary.

It should be noted that Condition [b] above is a hypothetical scenario in that it calculates the traffic due to the occupancy of the proposed project in addition to the existing traffic volumes, but changes to existing volumes are expected to occur throughout the project's construction period due to other area projects and regional growth. However, this condition has been prepared to be consistent with the general rule under CEQA that the potential impacts of a development project are to be measured against existing conditions. Condition [d] above analyzes future conditions upon completion and full occupancy of the proposed project, which is expected to occur in 2028.

9.0 TRAFFIC ANALYSIS

The traffic impact analysis prepared for the study intersections using the CMA methodology and application of the City of Los Angeles significant traffic impact criteria is summarized in ***Table 9-1***. The CMA data worksheets for the analyzed intersections are contained in *Appendix D*.

9.1 Existing Conditions

9.1.1 *Existing Conditions*

As indicated in column [1] of *Table 9–1*, five of the six study intersections are presently operating at LOS D or better during the weekday AM and PM peak hours. The following study intersection is expected to operate at LOS E during both the AM and PM peak hours shown below under existing conditions:

- Int. No. 6: Bundy Drive/Pico Boulevard AM Peak Hour: *v/c*=0.907, LOS E

  PM Peak Hour: *v/c*=0.928, LOS E

The existing traffic volumes at the study intersections during the weekday AM and PM peak hours are displayed in *Figures 5–1* and *5–2*, respectively.

9.1.2 *Existing With Project Conditions*

As shown in column [2] of *Table 9–1*, application of the City's threshold criteria to the "Existing With Project" scenario indicates that the proposed project is not expected to create significant impacts at any of the six study intersections. Less than significant impacts are noted at all of the study intersections. Because there are no significant impacts, no traffic mitigation measures are required or recommended for the study intersections under the "Existing With Project" conditions. The existing with project traffic volumes at the study intersections during the weekday AM and PM peak hours are illustrated in ***Figures 9–1*** and ***9–2***, respectively.

9.2 Future Conditions

9.2.1 *Future Without Project Conditions*

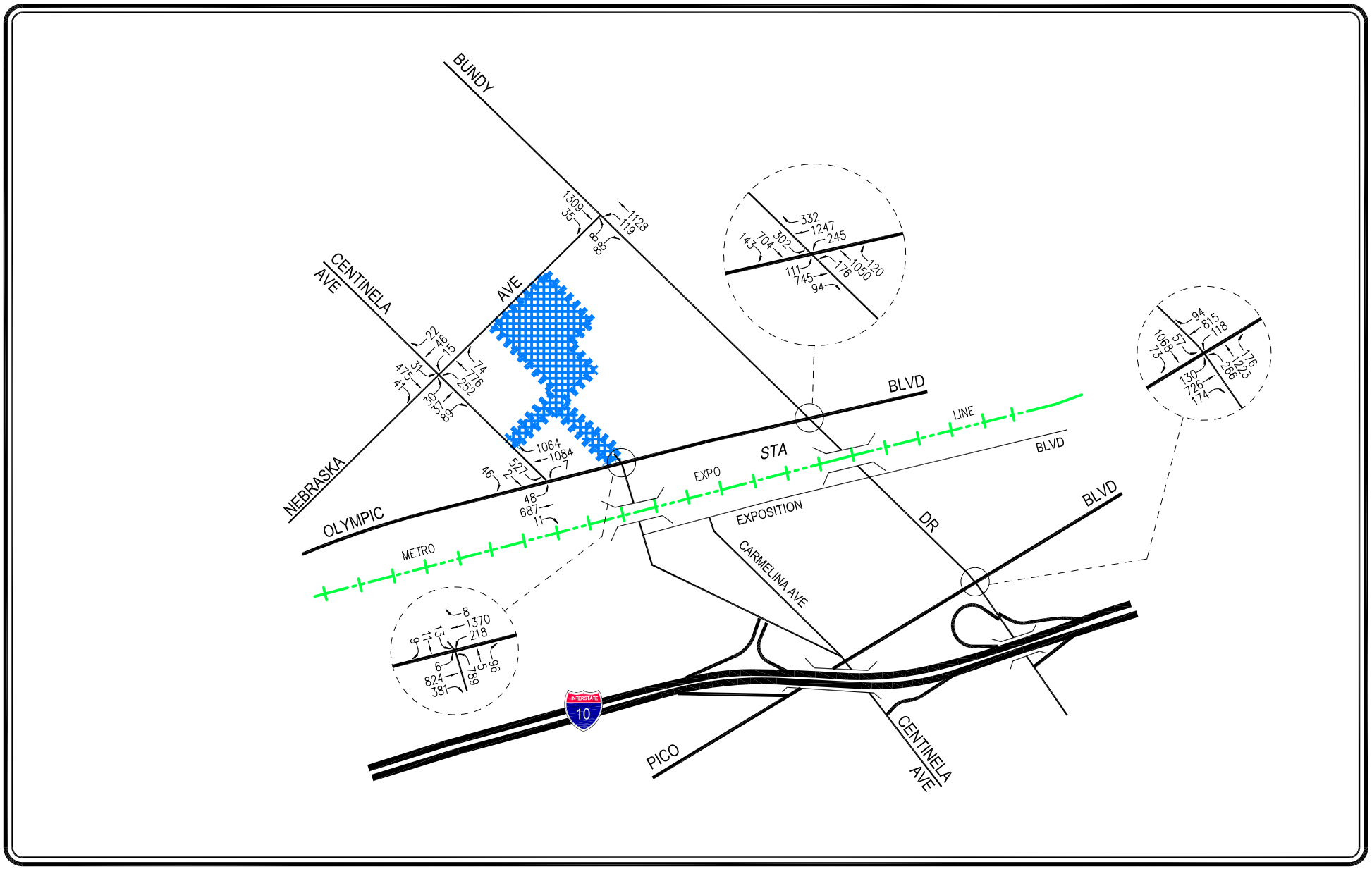
The future cumulative baseline conditions were forecast based on the addition of traffic generated by the completion and occupancy of related projects, as well as the growth in traffic due to the combined effects of continuing development, intensification of existing developments and other factors (i.e., ambient growth). The *v/c* ratios at all of the study intersections are incrementally increased with the addition of ambient traffic and traffic generated by the related projects listed in *Table 6–1*. As presented in column [3] of *Table 9–1*, three of the six study intersections are expected to continue operating at LOS D or better during the weekday AM and PM peak hours with the addition of growth in ambient traffic and related projects traffic under the future without project conditions. The following study intersections are expected to operate at LOS E or F during the peak hours shown below with the addition of ambient growth traffic and traffic due to the related projects:

Table 9-1
SUMMARY OF VOLUME TO CAPACITY RATIOS
AND LEVELS OF SERVICE
WEEKDAY AM AND PM PEAK HOURS

NO.	INTERSECTION	PEAK HOUR	[1] YEAR 2017 EXISTING V/C	[1] YEAR 2017 EXISTING LOS	[2] YEAR 2017 EXISTING WITH PROJECT V/C	[2] YEAR 2017 EXISTING WITH PROJECT LOS	[2] CHANGE V/C [(2)-(1)]	[2] SIGNIF. IMPACT [a]	[3] YEAR 2028 FUTURE W/O PROJECT V/C	[3] YEAR 2028 FUTURE W/O PROJECT LOS	[4] YEAR 2028 FUTURE WITH PROJECT V/C	[4] YEAR 2028 FUTURE WITH PROJECT LOS	[4] CHANGE V/C [(4)-(3)]	[4] SIGNIF. IMPACT [a]
1	Centinela Avenue/	AM	0.599	A	0.601	B	0.002	No	0.749	C	0.751	C	0.002	No
	Nebraska Avenue	PM	0.727	C	0.730	C	0.003	No	0.931	E	0.932	E	0.001	No
2	Centinela Avenue (West)/	AM	0.639	B	0.641	B	0.002	No	0.788	C	0.790	C	0.002	No
	Olympic Boulevard	PM	0.603	B	0.603	B	0.000	No	0.871	D	0.872	D	0.001	No
3	Centinela Avenue (East)/	AM	0.569	A	0.581	A	0.012	No	0.802	D	0.814	D	0.012	No
	Olympic Boulevard	PM	0.560	A	0.576	A	0.016	No	0.794	C	0.811	D	0.017	No
4	Bundy Drive/	AM	0.734	C	0.739	C	0.005	No	0.897	D	0.902	E	0.005	No
	Nebraska Avenue	PM	0.703	C	0.707	C	0.004	No	0.868	D	0.872	D	0.004	No
5	Bundy Drive/	AM	0.883	D	0.885	D	0.002	No	1.099	F	1.100	F	0.001	No
	Olympic Boulevard	PM	0.712	C	0.713	C	0.001	No	0.939	E	0.942	E	0.003	No
6	Bundy Drive/	AM	0.907	E	0.907	E	0.000	No	1.108	F	1.109	F	0.001	No
	Pico Boulevard	PM	0.928	E	0.929	E	0.001	No	1.131	F	1.132	F	0.001	No

[a] According to LADOT's "Transportation Impact Study Guidelines," December 2016, a transportation impact on an intersection shall be deemed significant in accordance with the following table:

Final v/c	LOS	Project Related Increase in v/c
>0.701 - 0.800	C	equal to or greater than 0.040
>0.801 - 0.900	D	equal to or greater than 0.020
>0.901	E/F	equal to or greater than 0.010



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PROJECT SITE

FIGURE 9-1
EXISTING WITH PROJECT TRAFFIC VOLUMES

WEEKDAY AM PEAK HOUR

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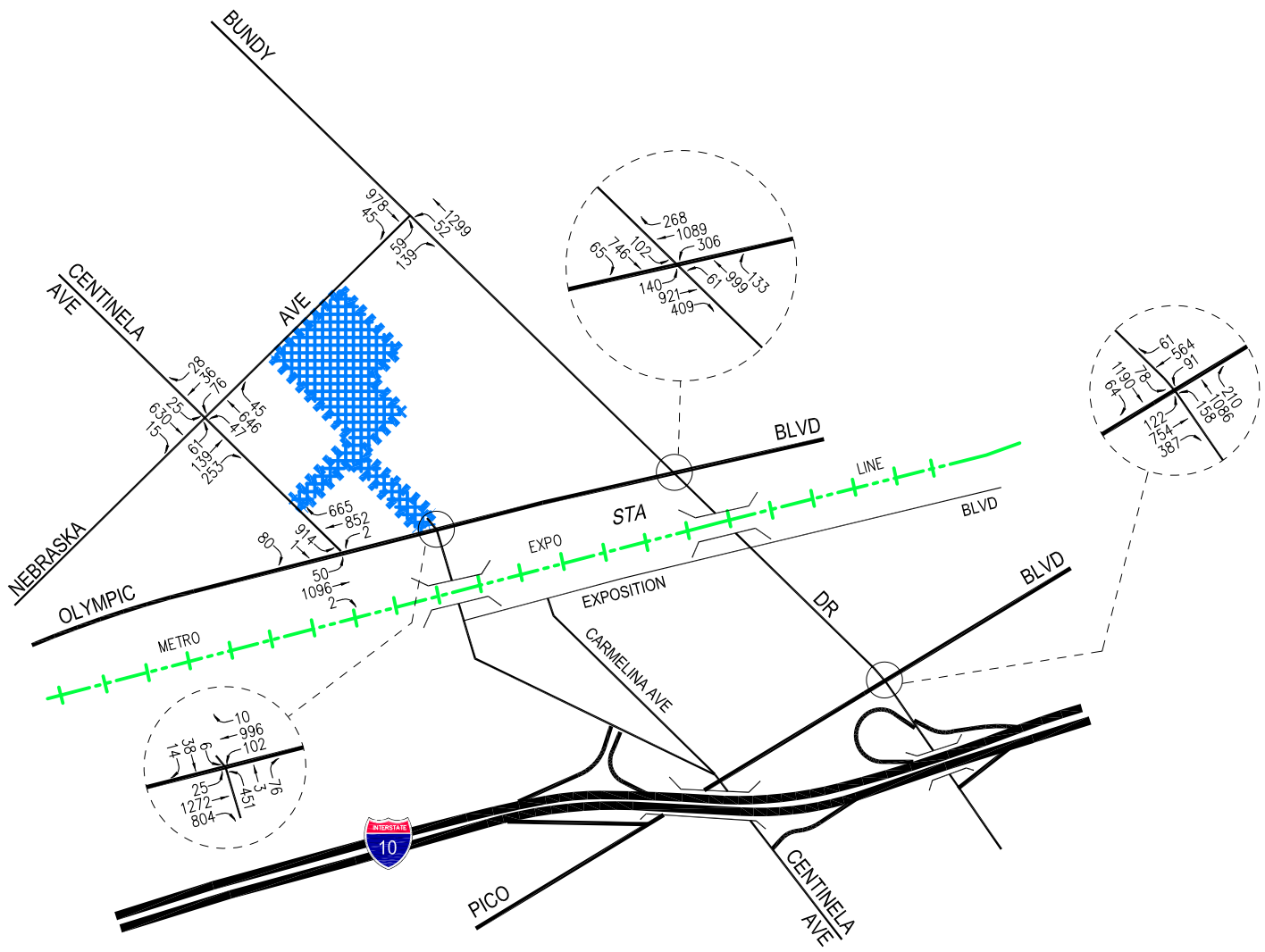

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FIGURE 9-2
EXISTING WITH PROJECT TRAFFIC VOLUMES

WEEKDAY PM PEAK HOUR

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

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- Int. No. 1: Centinela Avenue /Nebraska Avenue — PM Peak Hour: *v/c*=0.931, LOS E
- Int. No. 5: Bundy Drive/Olympic Boulevard — AM Peak Hour: *v/c*=1.099, LOS F
  PM Peak Hour: *v/c*=0.939, LOS E
- Int. No. 6: Bundy Drive/Pico Boulevard — AM Peak Hour: *v/c*=1.108, LOS F
  PM Peak Hour: *v/c*=1.131, LOS F

The future without project (existing, ambient growth and related projects) traffic volumes at the study intersections during the weekday AM and PM peak hours are presented in ***Figures 9–3*** and ***9–4***, respectively.

9.2.2 *Future With Project Conditions*

As shown in column [4] of *Table 9–1,* application of the City's threshold criteria to the "With Proposed Project" scenario indicates that the proposed project is not expected to create significant impacts at any of the six study intersections. Less than significant impacts are noted at all of the study intersections. Because there are no significant impacts, no traffic mitigation measures are required or recommended for the study intersections. The future with project (existing, ambient growth, related projects and project) traffic volumes at the study intersections during the weekday AM and PM peak hours are provided in ***Figures 9-5*** and ***9-6***, respectively.

9.3 Freeway Impact Analysis Screening Criteria Review

Pursuant to the "Freeway Impact Analysis Procedures" agreement executed in October 2013 between LADOT and Caltrans District 7, as amended in December 2015, traffic studies may be required to conduct a focused freeway impact analysis in addition to the CMP analysis. If projects meet any of the following criteria, applicants are directed to the Caltrans' Intergovernmental Review (IGR) section for a determination on the need for analysis and, if necessary, the methodology to be utilized for a freeway impact analysis:

- The project's peak hour trips would result in a 1% or more increase to the freeway mainline capacity of a freeway segment operating at LOS E or F (based on an assumed capacity of 2,000 vehicles per hour per lane); or

- The project's peak hour trips would result in a 2% or more increase to the freeway mainline capacity of a freeway segment operating at LOS D (based on an assumed capacity of 2,000 vehicles per hour per lane); or

- The project's peak hour trips would result in a 1% or more increase to the capacity of a freeway off-ramp operating at LOS E or F (based on an assumed ramp capacity of 850 vehicles per hour per lane); or

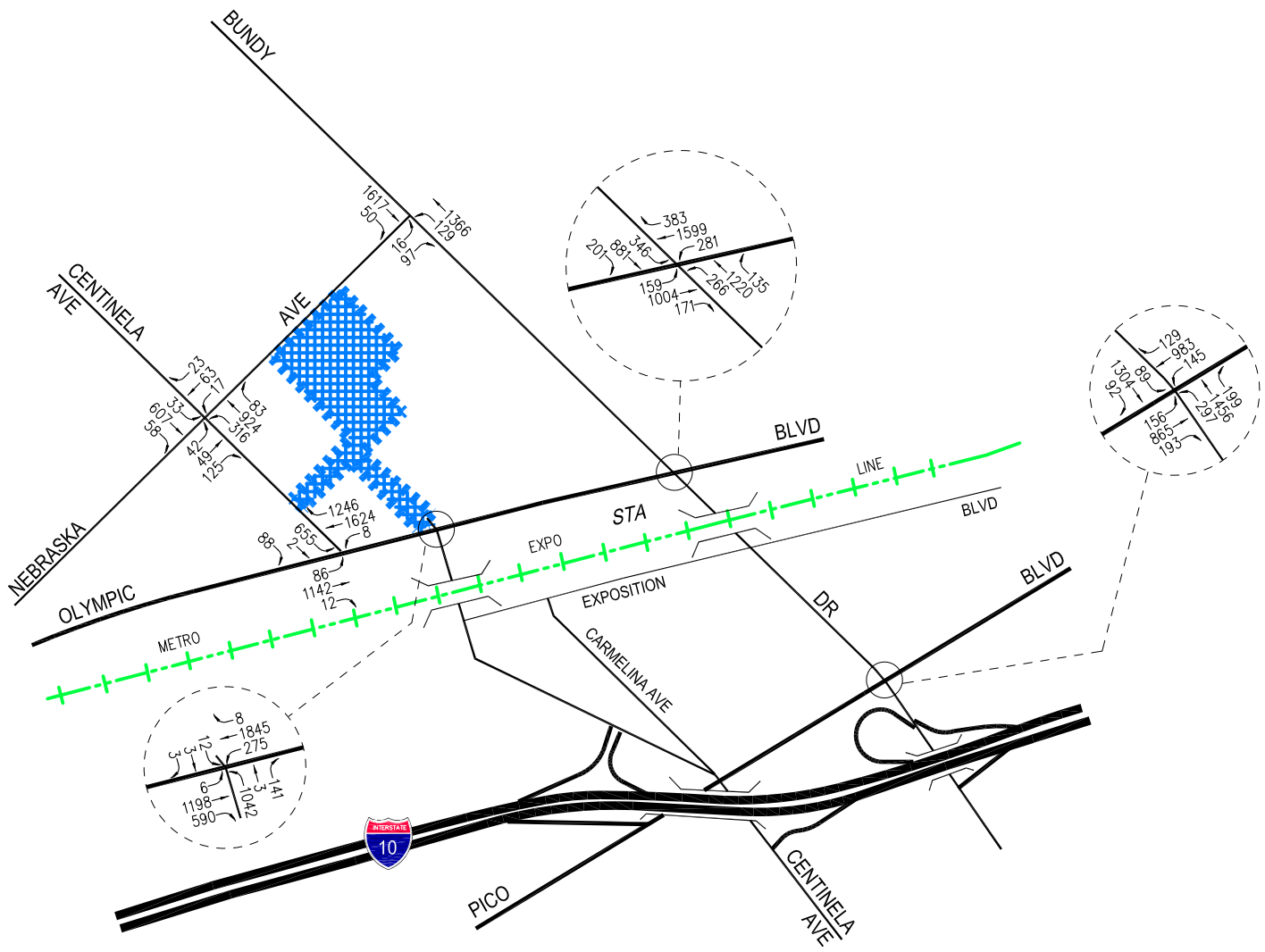

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FIGURE 9-3
FUTURE WITHOUT PROJECT TRAFFIC VOLUMES

WEEKDAY AM PEAK HOUR

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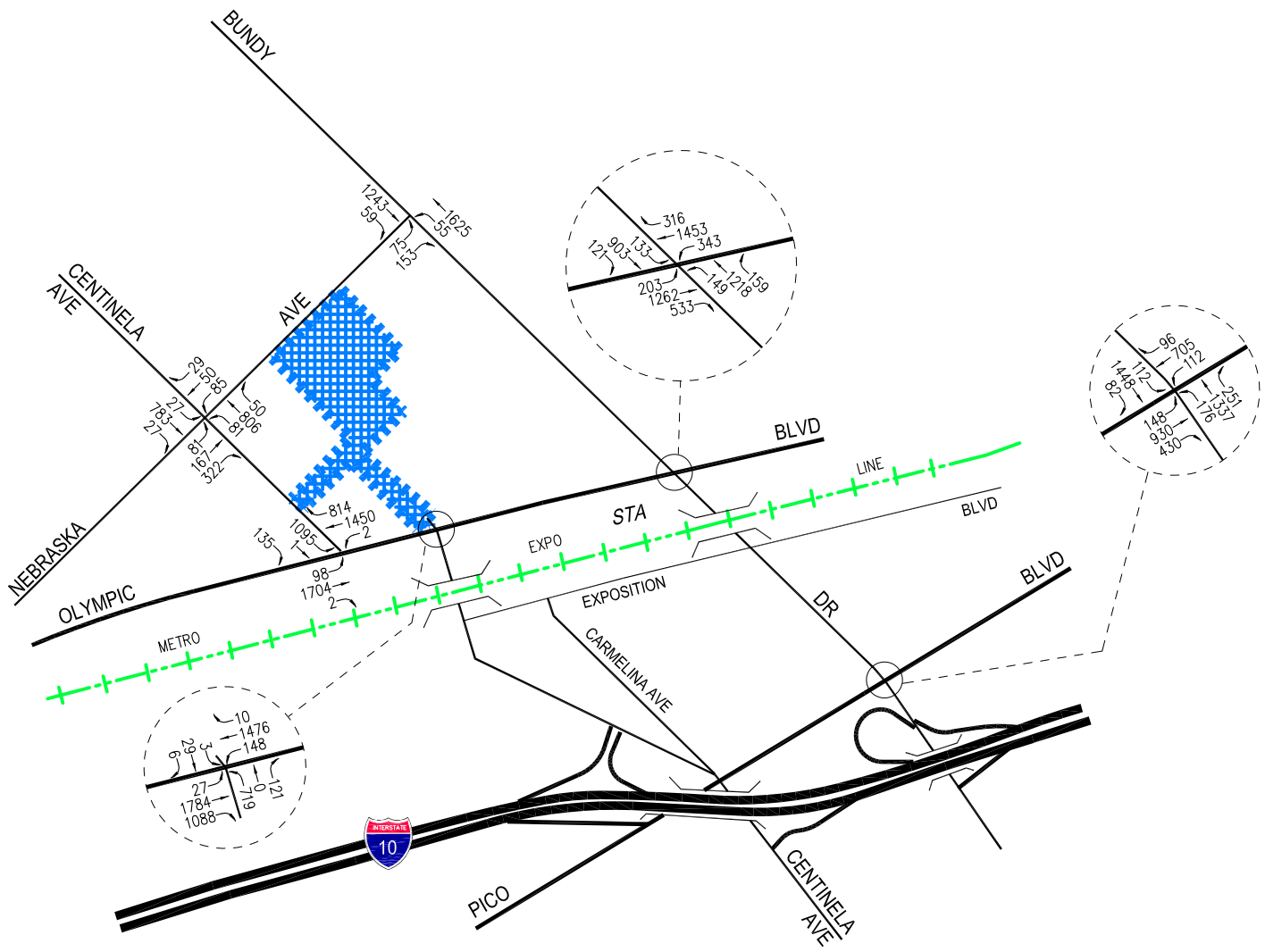

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FIGURE 9-4
FUTURE WITHOUT PROJECT TRAFFIC VOLUMES

WEEKDAY PM PEAK HOUR

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

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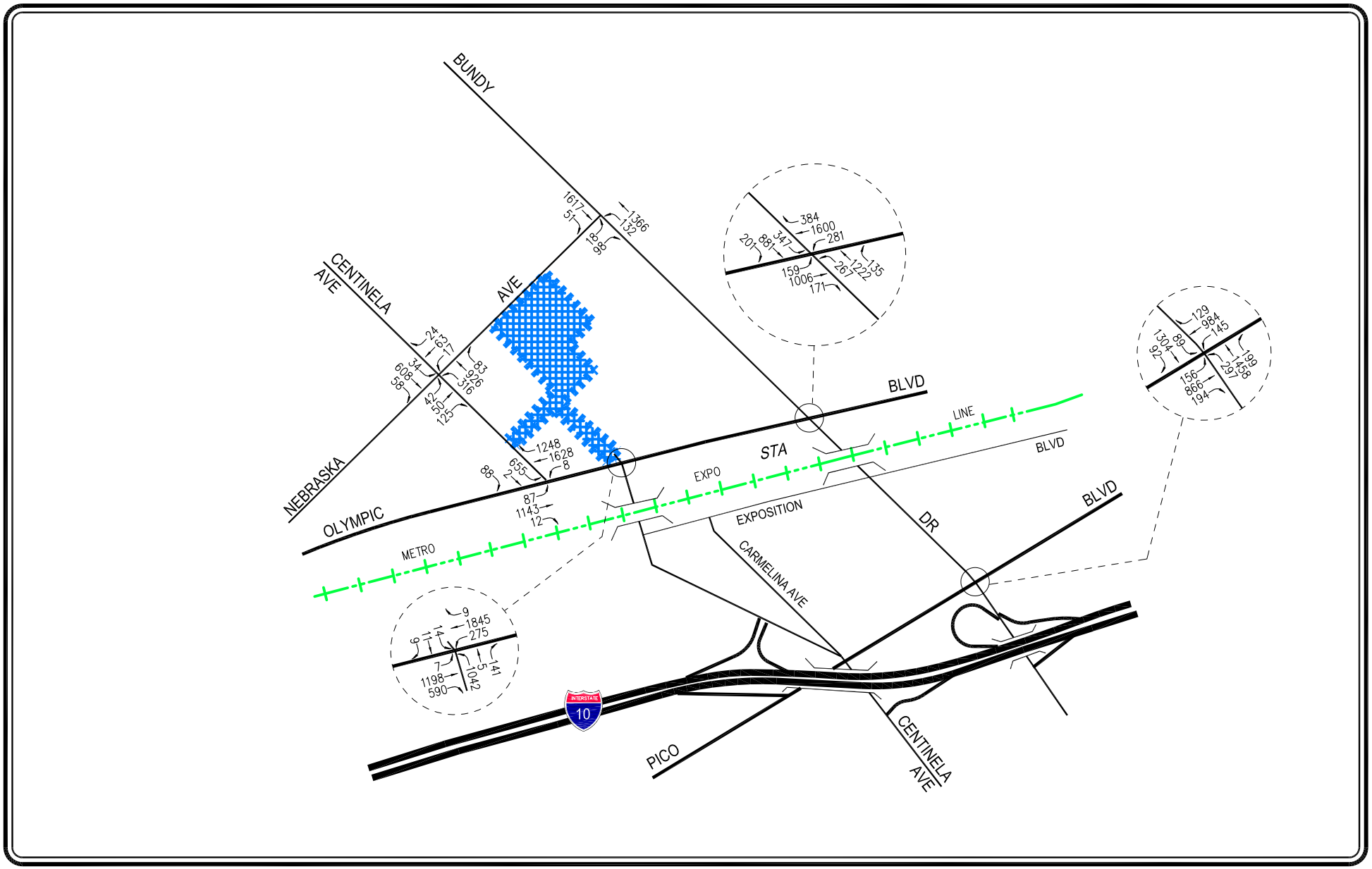

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FIGURE 9-5
FUTURE WITH PROJECT TRAFFIC VOLUMES

WEEKDAY AM PEAK HOUR

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

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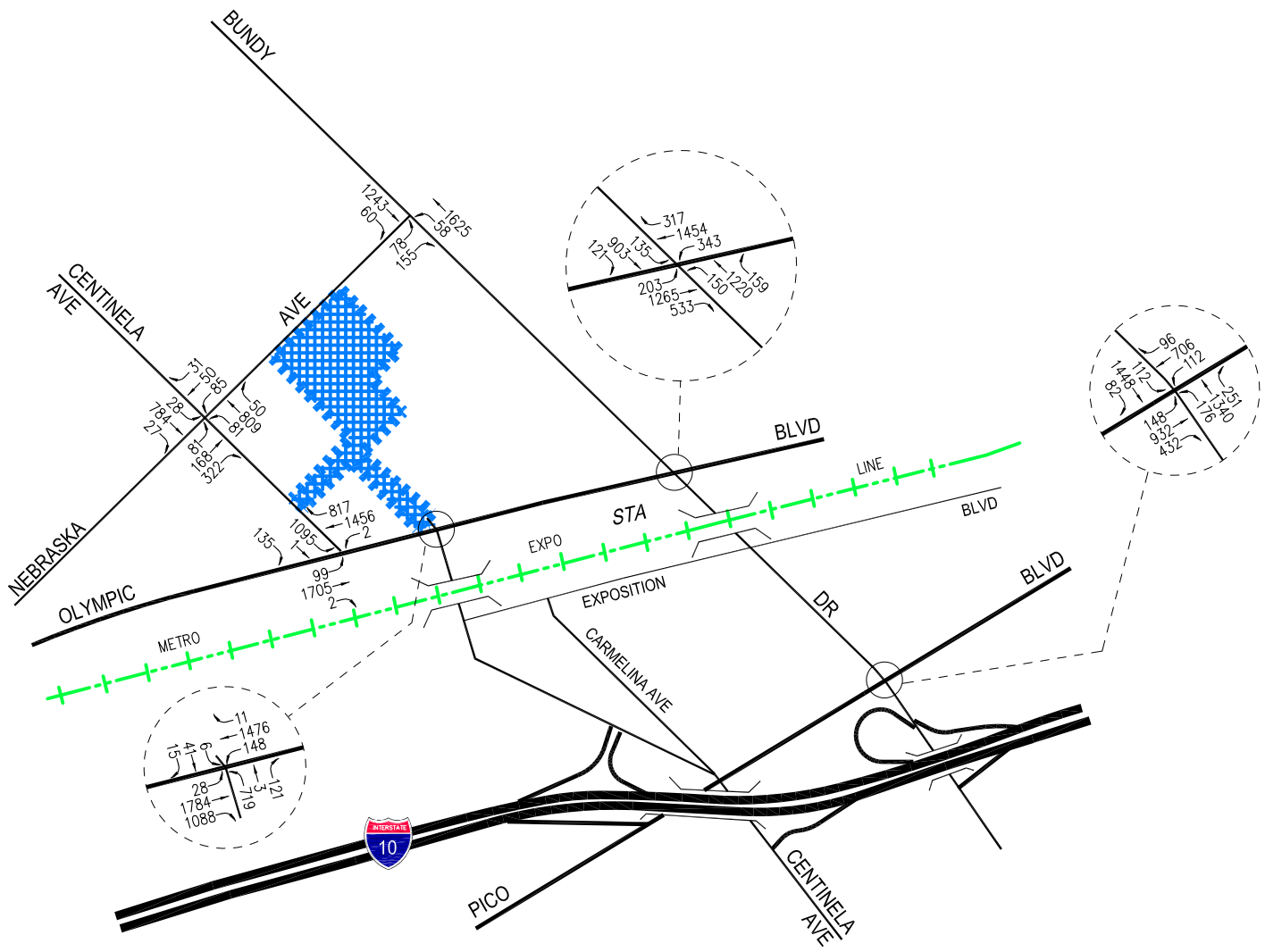

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FIGURE 9-6
FUTURE WITH PROJECT TRAFFIC VOLUMES

WEEKDAY PM PEAK HOUR

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

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- The project's peak hour trips would result in a 2% or more increase to the capacity of a freeway off-ramp operating at LOS D (based on an assumed ramp capacity of 850 vehicles per hour per lane).

Freeway mainline segments and off-ramps in the project vicinity that are forecast to receive net new project trips are subject to freeway impact analysis screening. This screening analysis is based solely on the comparisons between the expected net new project-related traffic volumes and the capacity of the subject mainline freeway segments and freeway off-ramps. Thus, cumulative conditions (i.e., related project's traffic volumes and regional growth) are not considered for purposes of the screening analysis. The three (3) mainline freeway segments and four (4) freeway off-ramps selected for screening due to the proposed project are presented in ***Table 9-2***, with the freeway impact analysis screening performed for these facilities also presented therein. The project trips assigned to the freeway facilities are based on the trip distribution percentages presented in *Figure 7-1* and the trip generation forecast presented in *Table 7-1*. Based on this review, the amount of project traffic expected to occur on the freeway system is not expected to meet any of the above listed criteria. Therefore, no further analysis of potential impacts to the freeway system is required.

9.4 City of Los Angeles High Injury Network Review

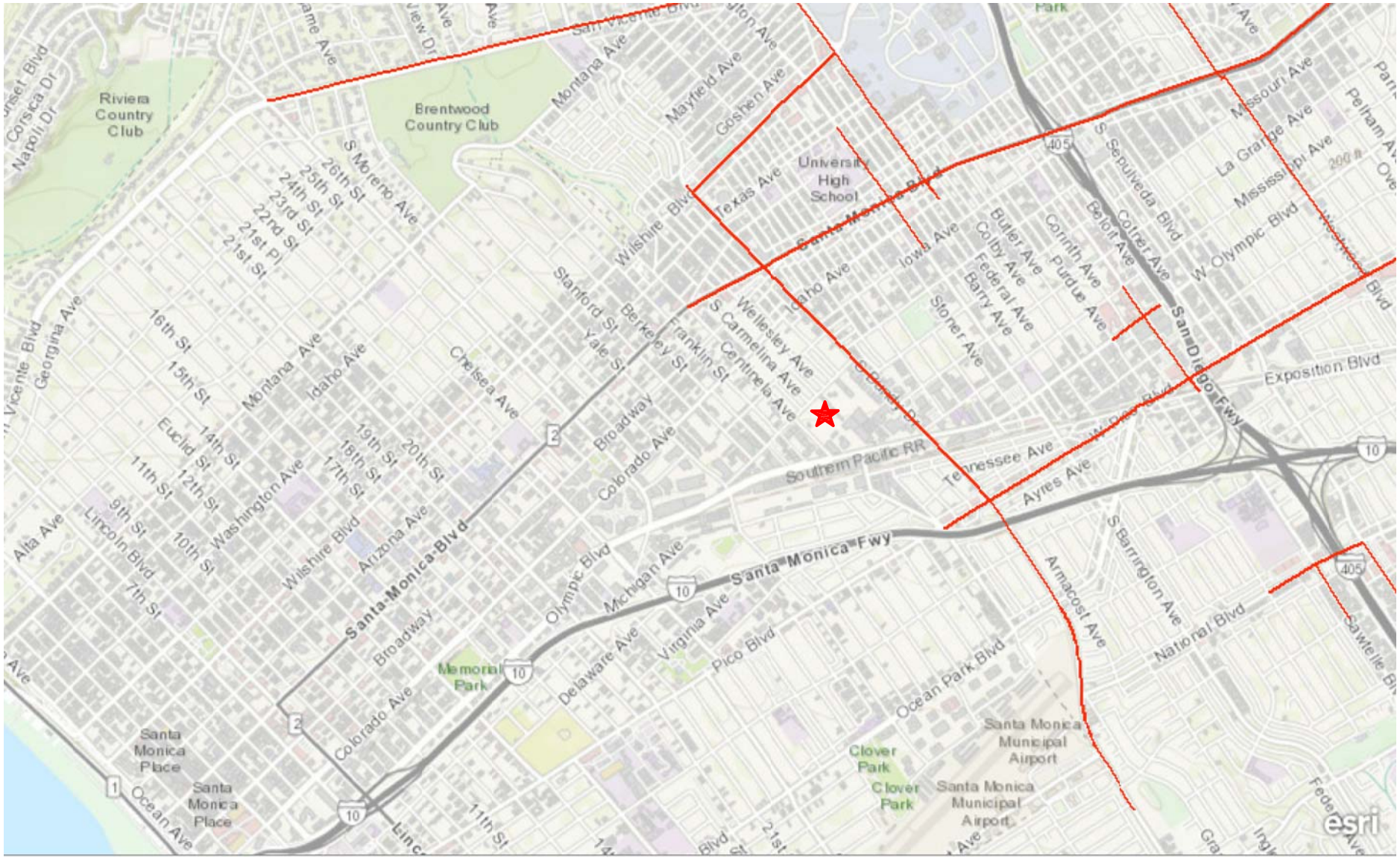
Vision Zero is a citywide initiative which prioritizes the safety of pedestrians and bicyclists on public streets, with the understanding that roads which are safe for vulnerable users will be safer for all users, in an effort to eliminate traffic fatalities. Key elements of the policy, such as reducing traffic speeds, are founded on the principles of engineering, education, enforcement, evaluation, and equity. Originating in Sweden, the policy has been adopted in numerous other North American cities, including California cities such as San Francisco and San Diego.

Mayor Eric Garcetti issued Executive Directive No. 10 in August 2015, formally launching the Vision Zero initiative in Los Angeles. Vision Zero is also a stated safety objective in the Mobility Plan 2035, which sets the goal of zero traffic deaths by 2035. Jointly directed by LADOT and the Police Department, Vision Zero takes a multi-disciplinary approach to identifying safety risk factors and implementing solutions on a citywide scale. Using a methodology originally developed by the San Francisco Public Health Department, the Vision Zero Task Force has identified streets where investments in safety will have the most impact in reducing severe injuries and traffic fatalities in the City.[10] These roads are collectively known as the High Injury Network (HIN). The HIN will be reviewed by the LADOT's Vision Zero group for potential engineering re-design as well as educational and enforcement campaigns.

The proposed project is located in the West Los Angeles area where the Vision Zero focus is on major corridors. As shown in ***Figure 9-7***, roadways in the immediate vicinity of the proposed project which have been identified on the HIN are noted below:

- Bundy Drive

[10] Vision Zero Los Angeles 2015-2025, August 2015.



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SOURCE: COUNTY OF LOS ANGELES, BUREAU OF LAND MANAGEMENT, ESRI

★ PROJECT SITE

FIGURE 9-7
CITY OF LOS ANGELES HIGH INJURY NETWORK IN PROJECT VICINITY

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

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- Santa Monica Boulevard east of Centinela Avenue
- Pico Boulevard east of Centinela Avenue

If a proposed project results in significant traffic impacts at intersections located along a designated HIN, LADOT's Vision Zero group will review those specific locations and immediate vicinity for potential safety enhancements that are consistent with the City's Vision Zero initiative.

10.0 TRANSPORTATION IMPROVEMENT MEASURES

As summarized in Subsections 9.1.2 (Existing With Project Conditions) and 9.2.2 (Future With Project Conditions) herein, application of the City's threshold criteria to the with proposed project scenarios indicates that the proposed project is not expected to create significant impacts at any of the six study intersections. Because there are no significant impacts, no traffic mitigation measures are required or recommended for the study intersections.

11.0 TRAFFIC SIGNAL WARRANT ANALYSIS

Traffic signal warrant analyses have been prepared to determine whether traffic signals are warranted at the Bundy Drive/Nebraska Avenue intersection upon completion of the proposed project. The determination of whether the installation of a traffic signal is warranted was based on criteria set forth in the *Manual of Policies and Procedures*, Section 353 (Guidelines for Traffic Signals). The warrant analysis is also consistent with the signal warrants outlined in Chapter 4C of the *California Manual on Uniform Traffic Control Devices*[11] (MUTCD).

Traffic signal warrants were prepared for the Bundy Drive/Nebraska Avenue intersection. Specifically, Warrant No. 1 (Eight Hour Vehicular Volume), Warrant No. 2 (Four Hour Vehicular Volume), and Warrant No. 3 (Peak Hour Volume) were prepared for the forecast future with project traffic conditions, and Warrant No. 7 (Crash Experience) was prepared based on a review of existing collision records. The traffic signal warrant calculations were based on, existing AM and PM peak hour volumes, and future with project peak hour traffic volumes. The traffic signal warrant worksheets are provided in ***Appendix E***. The following paragraphs provide detailed discussions of the traffic signal warrants prepared for the intersections.

Warrant 1: Eight-Hour Vehicular Volume

The Eight Hour Vehicular Volume warrant consists of three conditions: Condition A - the Minimum Vehicular Volume, Condition B – the Interruption of Continuous Traffic, and the Combination of Conditions A and B.

The Minimum Vehicular Volume warrant (Condition A) is intended for application where a large volume of intersecting traffic is the principal reason for consideration of a signal installation. The warrant is satisfied when for each of any eight hours of an average day the traffic volumes provided in the table for Warrant 1 under Condition A exist on the major street and on the higher-volume minor street approach to the intersection.

The Interruption of Continuous Traffic warrant (Condition B) applies to operating conditions where Condition A is not satisfied and where the traffic volume on a major street is so heavy that traffic on a minor intersecting street suffers excessive delay or hazard in entering or crossing the major street. The warrant is satisfied when, for each of any eight hours of an average day, the traffic volumes given in the table exist on the major street and on the higher-volume minor street approach to the intersection, and the signal installation will not seriously disrupt progressive traffic flow.

The Combination of Conditions A and B warrant applies at locations where Conditions A and B are not satisfied but where Conditions A and B are satisfied to the extent of 80 percent or more of the stated numerical values.

Warrant 2: Four-Hour Vehicular Volume

[11] *California Manual on Uniform Traffic Control Devices (MUTCD),* State of California Business, Transportation and Housing Agency, Department of Transportation, 2014 Edition.

The Four Hour Vehicular Volume Warrant is satisfied when, for each of any four hours of an average day, the plotted points representing the vehicles per hour on the major street (total of both approaches) and the corresponding vehicles per hour on the higher volume minor street approach (one direction only) all fall above the curve in Figure 4C-1 for the combination of approach lanes. The lower threshold for a minor street approach with two or more lanes is 115 vehicles per hour while the lower threshold for a minor street approach with one lane is 80 vehicles per hour. As shown in the worksheet contained in *Appendix E*, the signal warrant is met when the plotted points falls above the appropriate curve.

Warrant 3: Peak Hour Volume

The Peak Hour Warrant consists of Part A and Part B and is intended for application where traffic conditions are such that for one hour of the day minor street traffic suffers undue delay in entering or crossing the major street. The Peak Hour warrant applies when one of the following criteria are satisfied:

- Part A. If all three of the following conditions exist for the same 1 hour (any four consecutive 15-minute periods) of an average day:

  - The total stopped time delay experienced by the traffic on one minor-street approach (one direction only) controlled by a STOP sign equals or exceeds 4 vehicle-hours for a one-lane approach, or 5 vehicle-hours for a two-lane approach, and

  - The volume on the same minor-street approach (one direction only) equals or exceeds 100 vehicles per hour for one moving lane of traffic or 150 vehicles per hour for two moving lanes, and

  - The total entering volume serviced during the hour equals or exceeds 650 vehicles per hour for intersections with three approaches or 800 vehicles per hour for intersections with four or more approaches.

- Part B of Warrant No. 3 is satisfied when the plotted point, representing the vehicles per hour on the major street (total of both approaches) and the corresponding vehicles per hour on the higher volume minor street approach (one direction only) for one hour of an average day, falls above the curve in Figure 4C-3 for the applicable number of approach lanes. The lower threshold for a minor street approach with two or more lanes is 150 vehicles per hour while the lower threshold for a minor street approach with one lane is 100 vehicles per hour. As shown in the worksheets contained in *Appendix E*, the signal warrant is met when the plotted point falls above the appropriate curve.

Warrant 7: Crash Experience

The Crash Experience Warrant is intended for application where the severity and frequency of collisions are the primary reasons to consider installation of a traffic signal. The Crash Experience warrant applies when the following criteria are satisfied:

- Condition A or B of Warrant No. 1 is satisfied to the extent of 80 percent or more of the stated numerical values, or Warrant No. 4 (Pedestrian Volume) is satisfied to the extent of 80 percent or more of the stated numerical values, and
- Adequate trial of less restrictive remedies has failed to reduce the accident frequency, and
- Five or more reported accidents of types susceptible to correction by traffic signal control have occurred within the most recent 12-month period, or two per year during the most recent three-year period.

As stated above, a lead agency/jurisdiction may elect to proceed with a traffic signal installation when other issues are present, such as a need for further assignment of motorist right-of-way, even though none of the industry standard warrants are met.

11.1 Bundy Drive/Nebraska Avenue Intersection

As described above, traffic signal warrants were prepared for the Bundy Drive/Nebraska Avenue intersection. Specifically, Warrant No. 1 (Eight Hour Vehicular Volume), Warrant No. 2 (Four Hour Vehicular Volume), and Warrant No. 3 (Peak Hour Volume) were prepared for the forecast future with project traffic conditions, and Warrant No. 7 (Crash Experience) was prepared based on a review of existing collision records. In reviewing the traffic signal warrant analysis for the Bundy Drive/Nebraska Avenue intersection, it is important to note the following:

- For the signal warrant analysis, Bundy Drive was assumed to be the major street while Nebraska Avenue was assumed to be the minor street.
- Weekday AM and PM peak period manual traffic counts were conducted when local schools were in session. Summary data worksheets of the current traffic counts for the subject intersection are contained in *Appendix B*.

It should be noted that pursuant to the Eight-Hour Vehicular Volume Warrant worksheet included in the *Manual of Policies and Procedures*, Section 353, a six-hour manual turning movement count may be used in order to support a determination that the warrant is not met. Therefore, existing six-hour manual counts were utilized to prepare the eight-hour and four-hour vehicular volume warrants. The forecast future with project volumes utilized in the analysis are presented in *Appendix Table E*.

The following lane configurations have been assumed for the intersection:

- Northbound approach: one left-turn lane and two through lanes
- Southbound approach: one through lane and one combination through/right-turn lane
- Eastbound approach: one combination left-turn/through/right-turn lane

The resulting warrant analysis is described below:

Warrant 1 – Eight-Hour Vehicular Volume: As shown in the worksheets provided in *Appendix E*, both the Minimum Vehicular Volume warrant (Condition A) and the Interruption of Continuous Traffic (Condition B) warrant are not met under future with project conditions for the Bundy Drive/Nebraska Avenue intersection. Similarly, the Combination of Conditions A and B are not met for future with project conditions. Therefore, Warrant No. 1 is not satisfied for the for the Bundy Drive/Nebraska Avenue intersection.

Warrant 2 – Four-Hour Vehicular Volume: As indicated in Figure 4C-1 provided in *Appendix E*, all of the plotted points for the four highest hours of the day under future with project conditions fall above the applicable curve for the subject study intersection. Thus, Warrant No. 2 is satisfied for the Bundy Drive/Nebraska Avenue intersection.

Warrant 3 – Peak Hour Volume: As previously described, when either Part A or Part B of the Peak Hour Volume Warrant is met, the warrant can be considered satisfied. As shown in Figure 4C-3 provided in *Appendix E*, the plotted point for the peak hour under future with project conditions falls above the applicable curve for the subject study intersection. Therefore, Part B is met under future with project conditions. As Part B of Warrant No. 3 (Peak Hour) is met, preparation of Part A of the warrant was not required. Thus, Warrant No. 3 is satisfied under future with project conditions for the Bundy Drive/Nebraska Avenue intersection.

Warrant 7 – Crash Experience: Research was conducted of available collision records in order to determine the existing collision history at the subject study intersection. Collision records for the Bundy Drive/Nebraska Avenue intersection were requested for the most recent three year period (June 1, 2013 through May 31, 2016) from the City of Los Angeles Department of Transportation Traffic Control Records Division. *Appendix E* contains a summary of the collision records data. As shown in the collision data, a total of five (5) collisions occurred over the most recent three year period at this location. As the number of collisions at or near this intersection did not exceed five or more collisions during the most recent 12-month period, Warrant No. 7 is not satisfied for the Bundy Drive/Nebraska Avenue intersection.

In summary, Warrant No. 1 (Eight-Hour Vehicular Volume) is not satisfied under future with project conditions for the Bundy Drive/Nebraska Avenue intersection, while Warrant No. 2 (Four-Hour Vehicular Volume) and Warrant No. 3 (Peak Hour) are satisfied under future with project conditions. Warrant No. 7 (Crash Experience) is not satisfied based on a review of existing collision records. It is important to note that the satisfaction of a traffic signal warrant is not necessarily justification for the installation of a traffic signal. Delay, congestion, approach conditions, driver confusion, future land use or other evidence of the need for right-of-way assignment beyond that which could be provided by stop sign control may be demonstrated. Conversely, if a traffic signal warrant is not met, these other factors may be just cause for consideration of a traffic signal installation. The lead agency/agencies must carefully consider all aspects related to installation of traffic controls.

12.0 CONGESTION MANAGEMENT PROGRAM TRAFFIC IMPACT ASSESSMENT

The Congestion Management Program (CMP) is a state-mandated program that was enacted by the California State Legislature with the passage of Proposition 111 in 1990. The program is intended to address the impact of local growth on the regional transportation system.

As required by the 2010 Congestion Management Program, a Traffic Impact Assessment (TIA) has been prepared to determine the potential impacts on designated monitoring locations on the CMP highway system. The analysis has been prepared in accordance with procedures outlined in the *2010 Congestion Management Program*, Los Angeles County Metropolitan Transportation Authority, October 2010.

According to Section D.9.1 (Appendix D, page D-6) of the 2010 CMP manual, the criteria for determining a significant transportation impact is listed below:

> "A significant transportation impact occurs when the proposed project increases traffic demand on a CMP facility by 2% of capacity (V/C $\geq$ 0.02), causing or worsening LOS F (V/C > 1.00); if the facility is already at LOS F, a significant impact occurs when the proposed project increases traffic demand on a CMP facility by 2% of capacity (V/C $\geq$ 0.02)."

The CMP impact criteria apply for analysis of both intersection and freeway monitoring locations.

12.1 Intersections

The following CMP intersection monitoring locations in the project vicinity have been identified:

CMP Station	Intersection
Int. No. 59	Santa Monica Boulevard/Bundy Drive
Int. No. 70	Venice Boulevard/Centinela Avenue
Int. No. 71	Venice Boulevard/La Cienega Boulevard

The CMP TIA guidelines require that intersection monitoring locations must be examined if the proposed project will add 50 or more trips during either the weekday AM or PM peak hours. The proposed project will not add 50 or more trips during either the weekday AM or PM peak hours (i.e., of adjacent street traffic) at CMP monitoring intersections, as stated in the CMP manual as the threshold criteria for a traffic impact assessment. Therefore, no further review of potential impacts to intersection monitoring locations that are part of the CMP highway system is required.

12.2 Freeways

The following CMP freeway monitoring locations in the project vicinity have been identified:

CMP Station	Location
Seg. No. 1011	I-10 Freeway east of Overland Avenue
Seg. No. 1070	I-405 Freeway north of Venice Boulevard
Seg. No. 1071	I-405 Freeway south of Mulholland Drive

The CMP TIA guidelines require that freeway monitoring locations must be examined if the proposed project will add 150 or more trips (in either direction) during either the weekday AM or PM peak periods. The proposed project will not add 150 or more trips (in either direction) during either the weekday AM or PM peak hours to CMP freeway monitoring locations which is the threshold for preparing a traffic impact assessment, as stated in the CMP manual. Therefore, no further review of potential impacts to freeway monitoring locations that are part of the CMP highway system is required.

12.3 Transit Impact Review

As required by the *2010 Congestion Management Program*, a review has been made of the potential impacts of the project on transit service. As discussed in Subsection 4.5 herein, existing transit service is provided in the vicinity of the proposed LADWP West Los Angeles Yard Demolition & Construction project.

The project trip generation, as shown in *Table 7–1*, was adjusted by values set forth in the CMP (i.e., person trips equal 1.4 times vehicle trips, and transit trips equal 3.5 percent of the total person trips) to estimate transit trip generation. Pursuant to the CMP guidelines, the proposed project is forecast to generate demand for 2 transit trips during both the weekday AM and PM peak hours. Over a 24-hour period, the proposed project is forecast to generate demand for 18 daily transit trips. The calculations are as follows:

- Weekday AM Peak Hour = $31 \times 1.4 \times 0.035 = 2$ Transit Trips
- Weekday PM Peak Hour = $43 \times 1.4 \times 0.035 = 2$ Transit Trips
- Weekday Daily Trips = $367 \times 1.4 \times 0.035 = 18$ Transit Trips

As shown in *Table 4–3*, six bus transit lines and routes are provided in close proximity to the project site. As outlined in *Table 4–3*, under the "No. of Buses During Peak Hour" column, these six transit lines provide services for an average of (i.e., average of the directional number of buses/trains during the peak hours) roughly 52 buses during both the weekday AM and PM peak hours. Therefore, based on the above calculated weekday AM and PM peak hour trips, this would correspond to less

than one additional transit rider per bus. It is anticipated that the existing transit service in the project area will adequately accommodate the increase of project-generated transit trips. Thus, given the number of project-generated transit trips per bus, no project impacts on existing or future transit services in the project area are expected to occur as a result of the proposed project.

13.0 CONCLUSIONS

- ***Project Description*** – The West Los Angeles District Yard Project is a facility improvement project being proposed by the LADWP. The project would demolish six structures on site including the district office, warehouse, break room, locker room, and fleet shop. Three new buildings would be constructed in their place: a warehouse, district office, and fleet shop. These new buildings would consolidate all of the functions of the demolished buildings. Beneath the proposed new buildings a single-level underground parking structure with a total of 204 parking stalls would be installed. Additionally, the straddle crane located within the existing yard would be relocated toward the southeast section of the District Yard closer to the driveway along Olympic Boulevard. At the existing on-site fueling station, along the access driveway connecting the project site to Olympic Boulevard, the existing unleaded and diesel fuel tanks would remain above ground, and a new compressed natural gas tank would be installed aboveground. All fleet vehicle parking, a total of 55 oversized parking spaces, would be located on a surface parking lot.

- ***Vehicular Site Access*** – The portion of the LADWP West Los Angeles Yard Demolition & Construction project site that is planned to be improved contains a total of five driveways, including three driveways on Nebraska Avenue, one driveway on Centinela Avenue, and one driveway that essentially forms the north leg of the Centinela Avenue East/Olympic Boulevard intersection. All five driveways are currently controlled by either manual or automatic gates that are operated by LADWP. There are no planned changes in driveway locations or operations, nor in the site access and circulation scheme for employees, vendors and visitors, as part of the proposed project.

- ***Study Scope –*** A total of six study intersections were selected for analysis in consultation with LADOT staff in order to determine potential impacts related to the proposed project.

- ***Project Trip Generation*** – The proposed project is expected to generate a net increase of 31 vehicle trips (12 inbound trips and 19 outbound trips) during the weekday AM peak hour. During the weekday PM peak hour, the proposed project is expected to generate a net increase of 43 vehicle trips (13 inbound trips and 30 outbound trips). Over a 24-hour period, the proposed project is forecast to generate a net increase of 367 vehicle trips (approximately 184 inbound trips and 184 outbound trips) during a typical weekday.

- ***Related Projects*** – The City of Los Angeles Departments of Transportation and Planning, as well as the City of Santa Monica, were consulted to obtain the list of development projects (related projects) in the area. A total of 29 related projects, including 17 in the City of Los Angeles and 12 in the City of Santa Monica, was identified and considered as part of the cumulative traffic analysis. In addition, an annual growth rate of one percent (1.0%) to the year 2028 (i.e., the anticipated project build-out year) was used for analysis purposes. Therefore, application of this ambient growth factor in addition to the forecast traffic generated by the related projects allows for a conservative forecast of future traffic volumes in the project study area as incorporation of

both (i.e., an ambient traffic growth rate and a detailed list of cumulative development projects) is expected to overstate potential future traffic volumes. Further, as described in Section 6.0 above, CEQA only requires that one of these two approaches be employed in developing the future traffic volume forecasts.

- ***Traffic Impact Analysis*** – It is concluded that the proposed project is not expected to create significant impacts at any of the six study intersections under either the Existing With Project or Future With Project conditions based on the City of Los Angeles thresholds of significance used for evaluating traffic impacts. Because there are no significant impacts, no traffic mitigation measures are required or recommended for the study intersections.

- ***Traffic Signal Warrant Analysis*** - Traffic signal warrants were prepared for the Bundy Drive/Nebraska Avenue intersection. Warrant No. 1 (Eight-Hour Vehicular Volume) is not satisfied under future with project conditions for the Bundy Drive/Nebraska Avenue intersection, while Warrant No. 2 (Four-Hour Vehicular Volume) and Warrant No. 3 (Peak Hour) are satisfied under future with project conditions. Warrant No. 7 (Crash Experience) is not satisfied based on a review of existing collision records. It is important to note that the satisfaction of a traffic signal warrant is not necessarily justification for the installation of a traffic signal. Delay, congestion, approach conditions, driver confusion, future land use or other evidence of the need for right-of-way assignment beyond that which could be provided by stop sign control may be demonstrated. Conversely, if a traffic signal warrant is not met, these other factors may be just cause for consideration of a traffic signal installation. The lead agency/agencies must carefully consider all aspects related to installation of traffic controls.

- ***CMP Traffic Assessment*** – The results of the Los Angeles CMP traffic assessment indicate that the proposed project will not adversely affect any CMP arterial monitoring intersections or freeway monitoring locations. Therefore, no improvements/mitigation measures are required.

APPENDIX A

TRAFFIC STUDY MEMORANDUM OF UNDERSTANDING

LADOT

Transportation Impact Study Memorandum of Understanding (MOU)

This MOU acknowledges that the Transportation Impact Study for the following Project will be prepared in accordance with the latest version of LADOT's Transportation Impact Study Guidelines:

I. PROJECT INFORMATION

Project Name: LADWP West Los Angeles Yard Demolition and Construction Project

Project Address: 12300 West Nebraska Avenue; West Los Angeles Community Plan area

Project Description: Please refer to the attached City of Los Angeles Task Order Request Proposal form which includes the project description and location.

LADOT Project Case Number: WLA 18-106700 Project Site Plan attached? *(Required)* ■ Yes ☐ No
Refer to Figure 2-2

II. TRIP GENERATION

Geographic Distribution: N 25.00 % S 25.00 % E 30.00 % W 20.00 %

Illustration of Project trip distribution percentages at Study intersections attached? *(Required)* ■ Yes ☐ No

Trip Generation Adjustments *(Exact amount of credit subject to approval by LADOT)* Refer to Figure 7-1

	Yes	No
Transit Usage	☐	■
Transportation Demand Management	☐	■
Existing Active Land Use	■	☐
Previous Land Use	☐	■
Internal Trip	☐	■
Pass-By Trip	☐	■

Source of Trip Generation Rate(s)? ☐ ITE 9th Edition ■ Other: Empirical trip rates derived from the existing project site

Trip generation table including a description of the proposed land uses, ITE rates, estimated morning and afternoon peak hour volumes (ins/outs/totals), proposed trip credits, etc. attached? *(Required)* ■ Yes ☐ No

Refer to Table 7-1 & Appendix Table C

	IN	OUT	TOTAL
AM Trips	12	19	31
PM Trips	13	30	43

III. STUDY AREA AND ASSUMPTIONS

Project Buildout Year: 2028 Ambient or CMP Growth Rate: 1.0 % Per Yr.

Related Projects List, researched by the consultant and approved by LADOT, attached? *(Required)* ■ Yes ☐ No
Refer to Table 6-1 & Figure 6-1

Subject to Freeway Impact Analysis, in addition to CMP Analysis? *(Freeway analysis screening filter must be included in this MOU; selecting "yes" implies that at least one criteria was satisfied)* ☐ Yes ■ No Refer to Table 9-2

Map of Study Intersections attached? *(May be subject to LADOT revision after initial impact analysis)* ■ Yes ☐ No
Refer to Figure 1-1

Is this Project located on a street within the High Injury Network? ☐ Yes ■ No

IV. CONTACT INFORMATION

	CONSULTANT	DEVELOPER
Name:	Clare Look-Jaeger, LLG Engineers	LADWP/Dudek (Rep: Nicole Cobleigh)
Address:	600 S. Lake Avenue, Suite 500, Pasadena CA 91106	605 3rd Street, Encinitas, CA 92024
Phone Number:	626-796-2322, Ext. 222	626-204-9825
E-Mail:	look-jaeger@llgengineers.com	ncobleigh@dudek.com

Approved by:	Clare M. Look-Jaeger	12-12-17	x		2-7-18
	Consultant's Representative	Date		LADOT Representative	Date

Task Order Request Proposal

Environmental Assessment and Air Quality Services
Agreement Nos. 47265-5 through 47271-5

Task/Project Manager:	Contract Administrator:	Issue Date: 4/19/2017	TORP #010
Aiden Leong	Dora Leung	Due Date: 5/4/2017	

1. Task Title: West Los Angeles Distirct Yard Demolition and Construction Project

2. Project Description and Location:

The Los Angeles Department of Water and Power (LADWP), will be demolishing all existing structures and constructing new buildings in their place at the West Los Angeles District Yard located at 12300 Nebraska Ave, Los Angeles, CA 90025. The facilitiy at its current capacity does not have adequate storage for its equipment and will not be able to support the planned increase to 100 full time staff. Structures planned for demolition include the district office, warehouse, break room, locker room, and fleet shop. Three new buildings are planned to be constructed, a warehouse, district office, and fleet shop. These new buildings will consolidate the functions of the demolished buildings. The existing straddle crane will be moved toward the section of the District Yard closer to the Olympic Blvd entrance. Existing unleaded and diesel fuel tanks and a new compressed natural gas tank will be placed underground at the current fueling station location. Parking will consist of a 116,800 square feet underground parking lot and surface parking. The underground parking lot will be one level and have 352 parking spaced to be used by employee vehicles. Surface parking will be for fleet vehicles and will consist of 32 oversize parking spaces. Please see the attached maps showing the current existing structures and the planned layout for the new structures.

The project is planned to be carried out in two phases in order for the district yard to be operational at the time of demolition and construction. Phase 1 involves the demolition of the district office building, demolition of the break room building, and the construction of the underground lot. Phase 1 of the project is expected to be completed within 3 years. Phase 2 involves the demolition and construction of all other structures. Phase 2 is expected to be completed within 1.5 years. Construction vehicle access to the district yard will be restricted at the entrances located on Centinela Ave and Olympic Blvd. Employee access to the district yard is located on W Nebraska Ave.

3. Task Scope and Schedule Requirements:

The scope of environmental services will include preparing the Initial Study (IS) with associated technical studies. The project is expected to result in a Mitigated Negative Declaration (MND).The scope will also include preparing the MND and further technical studies if required. We expect that air quality, historical resources, noise and vibration, and traffic will need to be analyzed in detail. Dudek will coordinate with LADWP staff to review each scope of work to ensure the level of effort is appropriate in complying with CEQA.

Construction is scheduled to begin in June 2019.

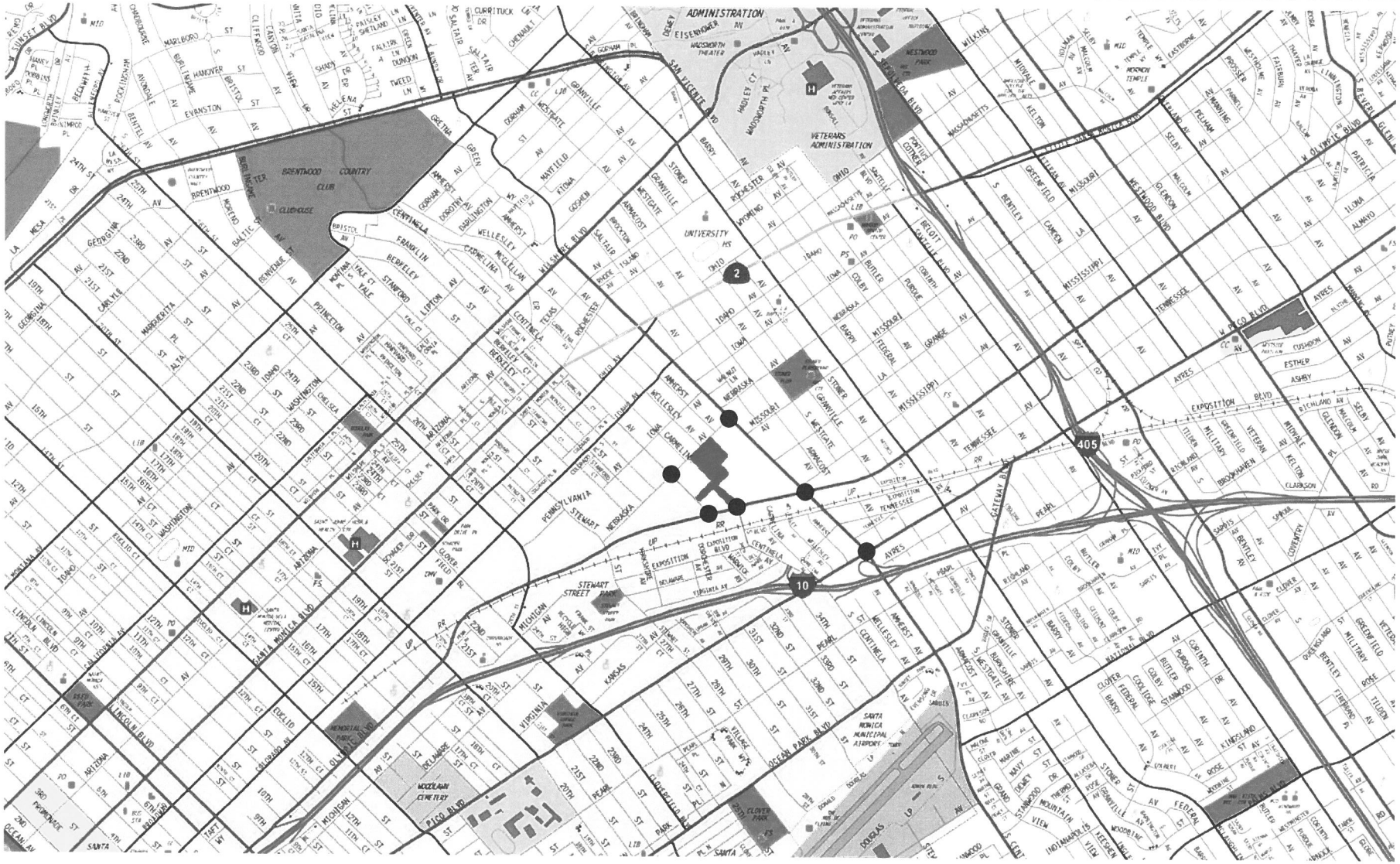
4. Overall Approach: (Provide details of how the task will be carried out. Use The General Task Order Request Approach Described in Section 501 of the contract including the following key details)

1. Purpose and Objective
2. Prerequisites to Consultant's performance
3. Scope of Work
4. Schedule
5. Premises (assumptions, conditions, restrictions, project location, etc.)
6. Key Consultant and subconsultant personnel required for the task
7. Applicable rate schedules
8. Task Cost Estimate

Task Order Request Proposal

Environmental Assessment and Air Quality Services
Agreement Nos. 47265-5 through 47271-5

5. Task Scope of Work: **(Description of sub tasks which may include: intermediate and end-products, deliverables, documents, completion date, etc.)**
6. Overall Schedule: (Provide details of how the task will be carried out in terms of the timing of each major deliverable or sub task.)
7. List of Key Personnel Used for this Task: (List their role and responsibilities. Approval from LADWP is required if personnel other than what is on the Exhibit D from Agreement is used)
8. Special Expertise or Background - Describe why key task members and/or team is best suited for the subject project. Highlight past experience or qualifications. (Brief.)
9. Cost - The Consultant shall provide the Department with a detailed cost estimate, including identification of all required personnel, rates, and hours of effort, for the Task Order proposal.



MAP SOURCE: RAND MCNALLY & COMPANY

PROJECT SITE

STUDY INTERSECTION

N

NOT TO SCALE

FIGURE 1-1
VICINITY MAP

LINSCOTT, LAW & GREENSPAN, engineers

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

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MAP SOURCE: GOOGLE EARTH

N

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OVERALL LADWP WLA FACILITY

PORTION OF SITE TO BE IMPROVED

EXISTING DRIVEWAY

LINSCOTT, LAW & GREENSPAN, engineers

FIGURE 2-1
AERIAL PHOTOGRAPH OF EXISTING SITE

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

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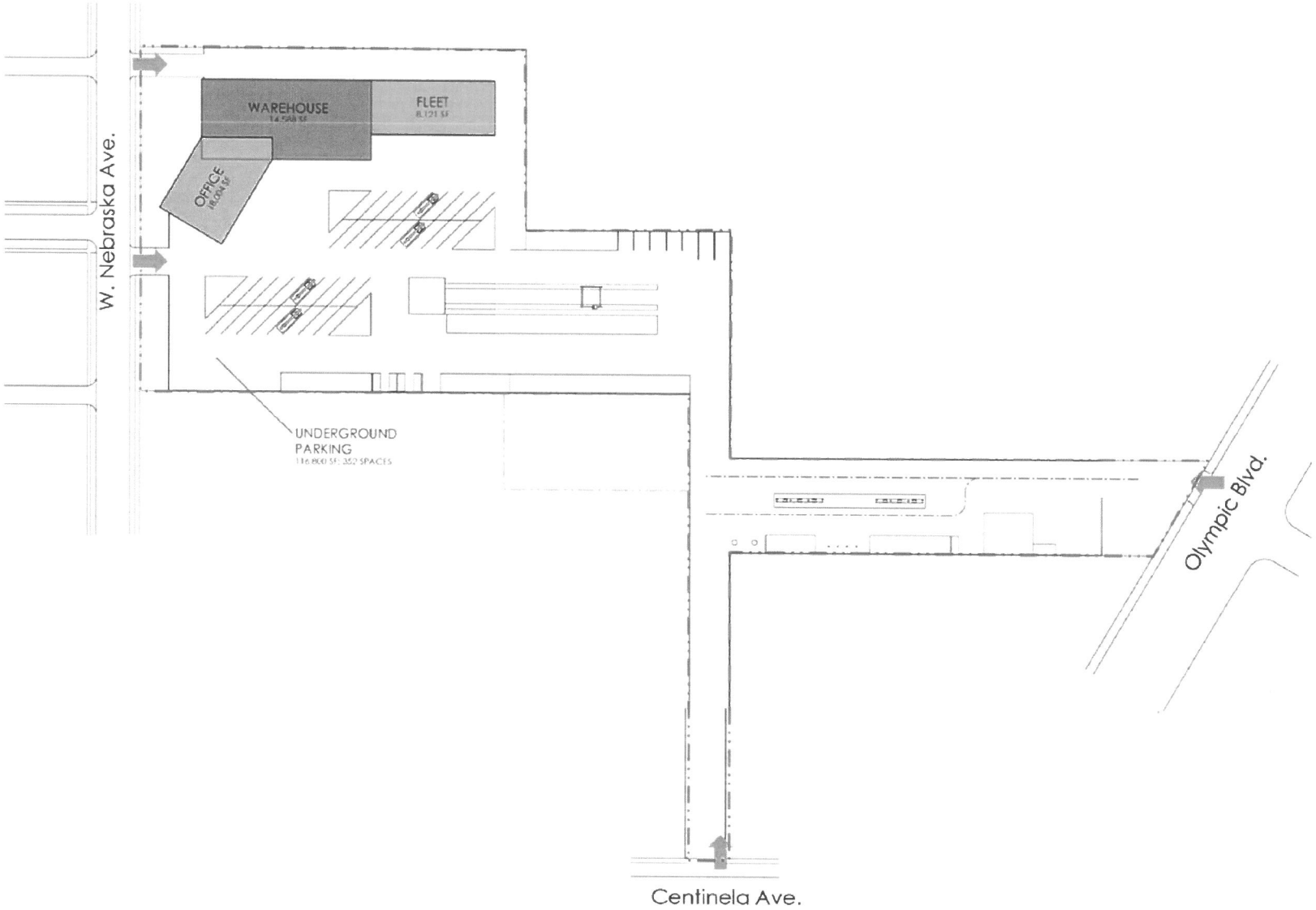

MAP SOURCE: LADWP

NOT TO SCALE

FIGURE 2-2
SITE PLAN

LINSCOTT, LAW & GREENSPAN, engineers

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

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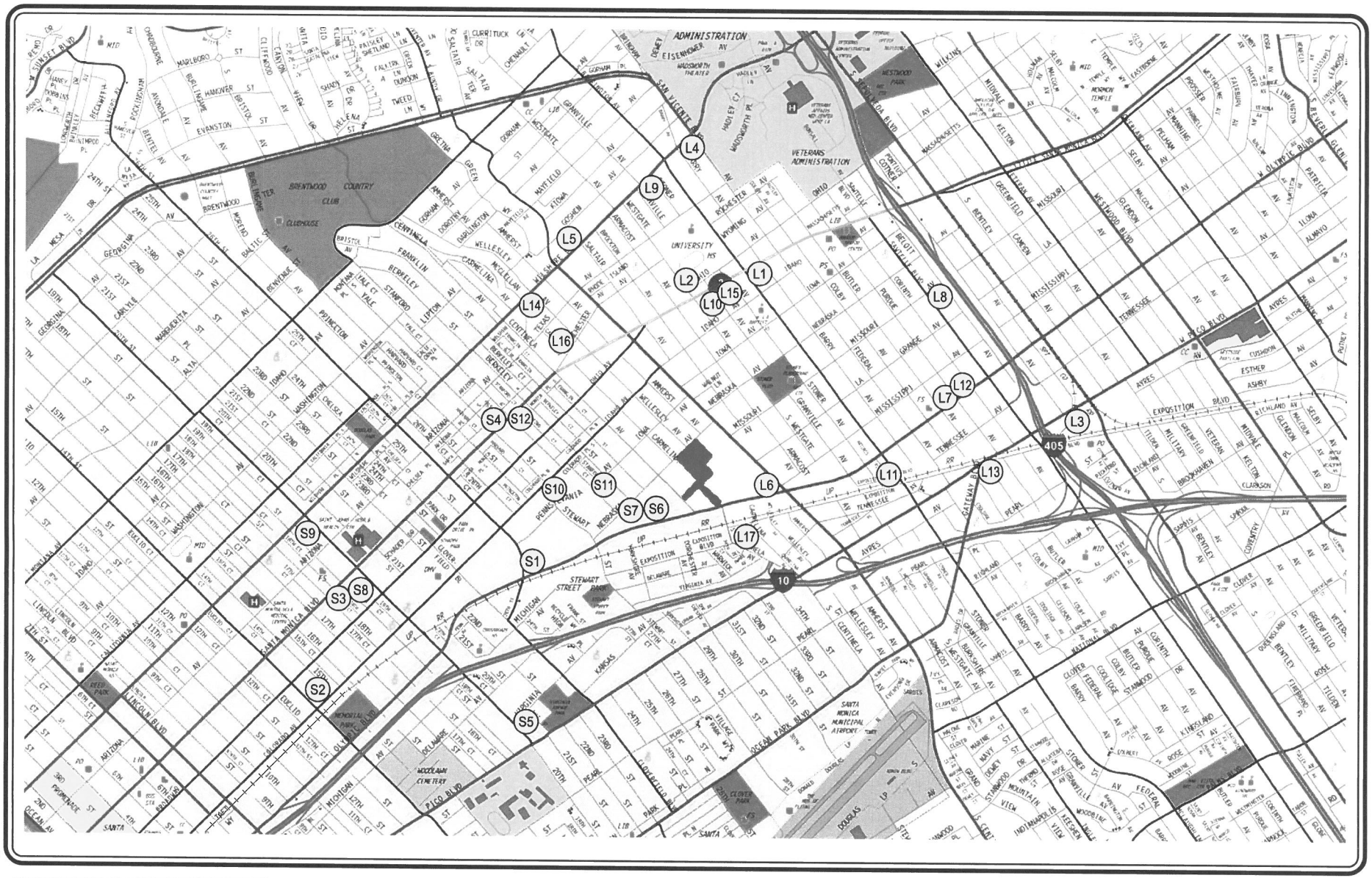

MAP SOURCE: RAND MCNALLY & COMPANY

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NOT TO SCALE

PROJECT SITE

(L) CITY OF LOS ANGELES RELATED PROJECT

(S) CITY OF SANTA MONICA RELATED PROJECT

LINSCOTT, LAW & GREENSPAN, engineers

FIGURE 6-1
LOCATION OF RELATED PROJECTS

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

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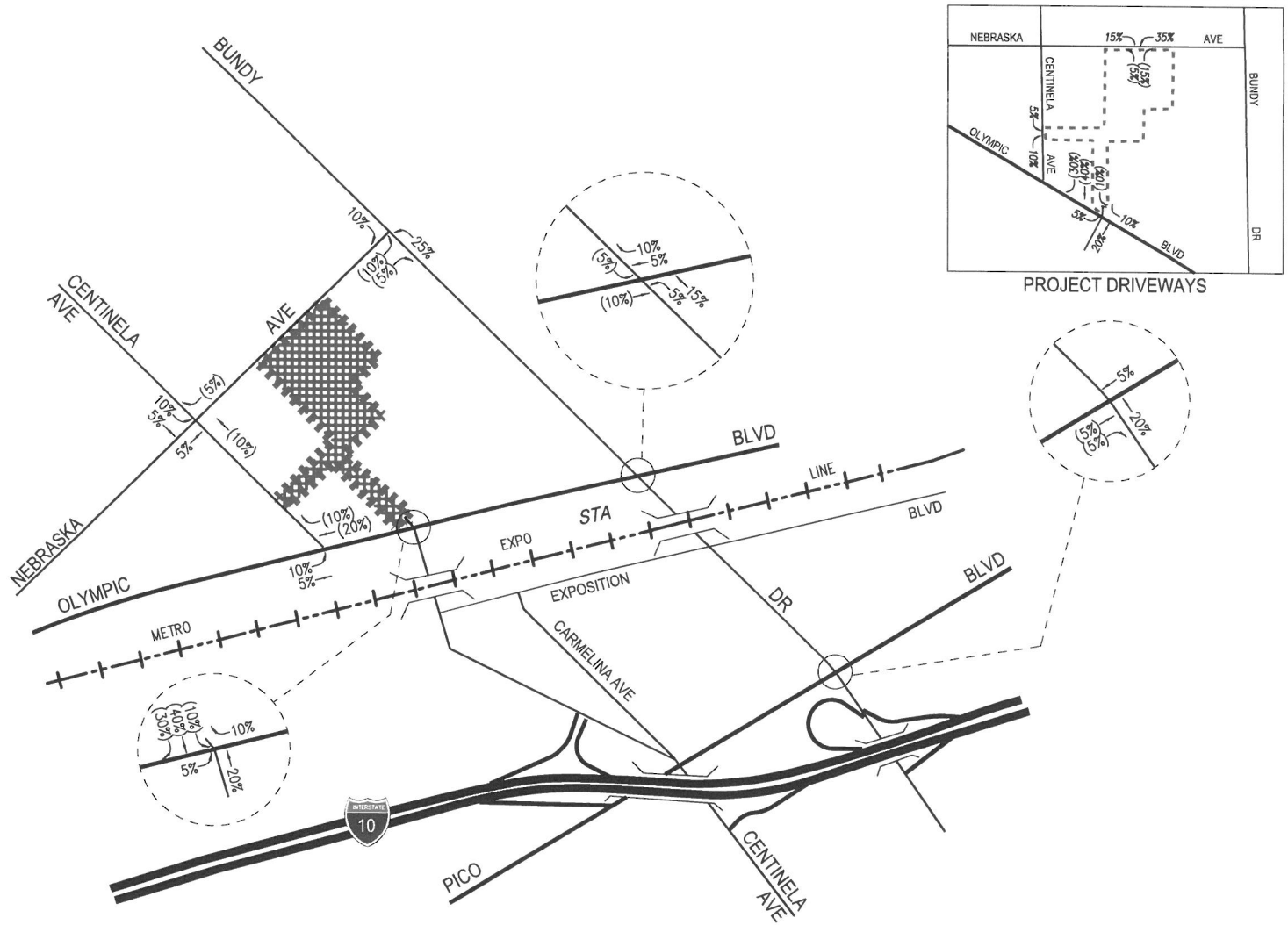

N

NOT TO SCALE

PROJECT SITE

XX = INBOUND PERCENTAGES
(XX) = OUTBOUND PERCENTAGES

FIGURE 7-1
PROJECT TRIP DISTRIBUTION

LINSCOTT, LAW & GREENSPAN, engineers

LADWP WLA DISTRICT YARD DEMOLITION & CONSTRUCTION PROJECT

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Table 6-1
RELATED PROJECTS LIST AND TRIP GENERATION [1]

MAP NO.	PROJECT STATUS	PROJECT NAME/NUMBER ADDRESS/LOCATION	LAND USE DATA		PROJECT DATA SOURCE	DAILY TRIP ENDS [2] VOLUMES	AM PEAK HOUR VOLUMES [2]			PM PEAK HOUR VOLUMES [2]		
			LAND-USE	SIZE			IN	OUT	TOTAL	IN	OUT	TOTAL
			City of Los Angeles									
L1	Proposed	Vons Supermarket 11660 West Santa Monica Boulevard	Supermarket	53,000 GSF	[1]	1,946	51	32	83	45	28	73
L2	Under Construction	Westside Family YMCA 1466 South Westgate Avenue	Recreational Community Center	65,000 GSF	[1]	1,204	52	33	85	27	46	73
L3	Proposed	Pico - Sepulveda Mixed Use 11122 West Pico Boulevard	Apartment Retail Supermarket	538 DU 212,000 GLSF 54,000 GSF	[1]	1,280	9	34	43	88	47	135
L4	Proposed	11600 West Wilshire Boulevard	Medical Office Building	120,874 GSF	[1]	1,280	34	9	43	38	97	135
L5	Under Construction	The Picasso Mixed Use 12029 West Wilshire Boulevard	Apartment Specialty Retail	108 DU 13,000 GLSF	[1]	789	(10)	40	30	39	(3)	36
L6	Proposed	Martin Expo Town Center 12101 West Olympic Boulevard	Apartment Retail Office	516 DU 67,000 GLSF 200,000 GSF	[1]	6,330	227	212	439	241	225	466
L7	Proposed	11421 West Olympic Boulevard	Apartment Retail	89 DU 6,030 GLSF	[1]	682	10	36	46	34	21	55
L8	Under Construction	1900 South Sawtelle Boulevard	Apartment Restaurant	52 DU 3,300 GSF	[1]	327	13	28	41	34	21	55
L9	Proposed	11750 West Wilshire Boulevard	Apartment Retail	376 DU	[1]	(400)	(22)	99	77	(22)	(64)	(86)
L10	Proposed	11800 West Santa Monica Boulevard	Apartment Specialty Retail	175 DU	[1]	1,824	13	64	77	115	89	204
L11	Proposed	2231 South Barrington Avenue	Restaurant Catering Office	6,904 GSF 2,750 GSF 9,731 GSF	[1]	610	24	11	35	34	39	73
L12	Proposed	11355 West Olympic Boulevard	Office	120,242 GSF	[1]	1,246	133	33	166	49	122	171
L13	Proposed	11460 West Gateway Boulevard	Apartment Specialty Retail	128 DU 5,153 GLSF	[1]	1,107	(1)	84	83	51	17	68
L14	Proposed	12300 West Wilshire Boulevard	Medical Office Building	33,392 GSF	[1]	838	17	11	28	24	29	53
L15	Proposed	11750 West Santa Monica Boulevard	Apartment	187 DU	[1]	1,006	(5)	65	60	80	36	116

Table 6-1 (Continued)
RELATED PROJECTS LIST AND TRIP GENERATION [1]

MAP NO.	PROJECT STATUS	PROJECT NAME/NUMBER ADDRESS/LOCATION	LAND USE DATA		PROJECT DATA SOURCE	DAILY TRIP ENDS [2] VOLUMES	AM PEAK HOUR VOLUMES [2]			PM PEAK HOUR VOLUMES [2]		
			LAND-USE	SIZE			IN	OUT	TOTAL	IN	OUT	TOTAL
L16	Proposed	12431 West Rochester Avenue	Apartment	50 DU	[1]	333	5	21	26	16	9	25
L17	Proposed	12414 West Exposition Boulevard	Office	70,844 GSF	[1]	584	81	9	90	17	107	124
			City of Santa Monica									
S1	Under Construction	Bergamot Transit Village Center 1681 South 26th Street	Shopping Center	84,000 GLSF	[1]	15,340	607	372	979	564	612	1,176
			Office	567,000 GLSF								
			Apartment	325 DU								
S2	Proposed	1431 Colorado Avenue	Apartment	50 DU	[3]	333	5	21	26	20	11	31
			Retail	10,475 GLSF	[4]	447	6	4	10	19	20	39
			Restaurant	2,110 GSF	[5]	268	13	10	23	13	8	21
S3	Proposed	1802 Santa Monica Boulevard	Apartment	23 DU	[3]	153	2	10	12	9	5	14
			Restaurant	1,390 GSF	[5]	177	8	7	15	8	6	14
			Auto Dealer	13,590 GSF	[6]	439	20	6	26	14	22	36
S4	Proposed	2901 Santa Monica Boulevard	Apartment	60 DU	[3]	399	6	25	31	24	13	37
			Retail	5,100 GLSF	[4]	218	3	2	5	9	10	19
S5	Proposed	2020 Virginia Avenue	Apartment	21 DU	[3]	140	2	9	11	8	5	13
S6	Proposed	3025 Olympic Boulevard	Apartment	174 DU	[3]	1,157	18	71	89	70	38	108
			Retail	8,500 GLSF	[4]	363	5	3	8	15	17	32
			Office	75,247 GSF	[7]	830	103	14	117	19	93	112
S7	Proposed	3030 Nebraska Avenue	Apartment	177 DU	[3]	1,177	18	72	90	72	38	110
			Office	66,100 GSF	[7]	729	91	12	103	17	81	98
S8	Proposed	1419 19th Street	Medical Office Building	5,342 GSF	[8]	193	10	3	13	5	14	19
S9	Proposed	1242 20th Street	Medical Office Building	110,500 GSF	[8]	3,992	209	55	264	110	284	394
S10	Under Construction	2848-2912 Colorado Avenue	Apartment	282 DU	[3]	1,875	29	115	144	114	61	175
			Retail	19,610 GLSF	[4]	837	12	7	19	35	38	73
			Restaurant	4,990 GSF	[5]	634	30	24	54	29	20	49
			Office	4,500 GSF	[7]	50	6	1	7	1	6	7
S11	Under Construction	2930 Colorado Avenue	Condominiums	216 DU	[9]	1,255	16	79	95	75	37	112
			Apartment	161 DU	[3]	1,071	16	66	82	65	35	100
			Office	4,250 GSF	[7]	47	6	1	7	1	5	6
			Retail	20,700 GLSF	[4]	884	12	8	20	37	40	77

Table 6-1 (Continued)
RELATED PROJECTS LIST AND TRIP GENERATION [1]

MAP NO.	PROJECT STATUS	PROJECT NAME/NUMBER ADDRESS/LOCATION	LAND USE DATA		PROJECT DATA SOURCE	DAILY TRIP ENDS [2] VOLUMES	AM PEAK HOUR VOLUMES [2]			PM PEAK HOUR VOLUMES [2]		
			LAND-USE	SIZE			IN	OUT	TOTAL	IN	OUT	TOTAL
S12	Proposed	3008 Santa Monica Boulevard	Apartment Retail	26 DU 3,397 GLSF	[3] [4]	173 145	3 2	10 1	13 3	10 6	6 7	16 13
TOTAL						20,986	631	821	1,452	910	866	1,776

[1] Source: City of Los Angeles Department of Transportation (LADOT), Department of City Planning (LADCP) and City of Santa Monica Planning & Community Development, except as noted below.
The peak hour traffic volumes were forecast based on trip data provided by LADOT and by applying trip rates as provided in the ITE "Trip Generation Manual", 9th Edition, 2012.
[2] Trips are one-way traffic movements, entering or leaving.
[3] ITE Land Use Code 220 (Apartment) trip generation average rates.
[4] ITE Land Use Code 820 (Shopping Center) trip generation average rates.
[5] ITE Land Use Code 932 (High-Turnover [Sit-Down] Restaurant) trip generation average rates.
[6] ITE Land Use Code 841 (Automobile Sales) trip generation average rates.
[7] ITE Land Use Code 710 (General Office Building) trip generation average rates.
[8] ITE Land Use Code 720 (Medical-Dental Office Building) trip generation average rates.
[9] ITE Land Use Code 230 (Residential Condominium/Townhouse) trip generation average rates.

Table 7-1
PROJECT TRIP GENERATION [1]

TRIP GENERATION RATES [2]								
		DAILY TRIP	AM PEAK HOUR TRIP RATE			PM PEAK HOUR TRIP RATE		
LAND USE	VARIABLE	RATE	IN	OUT	TOTAL	IN	OUT	TOTAL
Existing WLA District Yard	Per Employee	4.583	0.146	0.238	0.384	0.158	0.375	0.533
Distribution Split			38%	62%	100%	30%	70%	100%
PROJECT TRIP GENERATION								
		DAILY TRIP END	AM PEAK HOUR VOLUMES [3]			PM PEAK HOUR VOLUMES [3]		
LAND USE	SIZE	VOLUMES [3]	IN	OUT	TOTAL	IN	OUT	TOTAL
Proposed Project								
WLA District Yard	200 Employees	917	29	48	77	32	75	107
Less Existing Site								
WLA District Yard	(120) Employees	(550)	(17)	(29)	(46)	(19)	(45)	(64)
NET NEW VEHICLE TRIPS		***367***	***12***	***19***	***31***	***13***	***30***	***43***

[1] Trips are one-way traffic movements, entering or leaving.
[2] Refer to Table C contained in Appendix C for derivation of empirical trip rates.
[3] Trip generation forecast based on empirical trip rates shown above.

Appendix Table C
EMPIRICAL TRIP RATES [1]

Wednesday, October 4, 2017 [2]

LAND USE	SIZE	DAILY TRIP ENDS VOLUMES [5]	AM PEAK HOUR VOLUMES [6]			PM PEAK HOUR VOLUMES [6]			DAILY TRIP RATE [7]	AM PEAK HOUR TRIP RATES [7]			PM PEAK HOUR TRIP RATES [7]		
			IN	OUT	TOTAL	IN	OUT	TOTAL		IN	OUT	TOTAL	IN	OUT	TOTAL
Existing WLA District Yard	120 Employees	535	25	18	43	20	44	64	4.458	0.208	0.150	0.358	0.167	0.367	0.534
Distribution Split		50% In/50% Out	58%	42%	100%	31%	69%	100%	50% In/50% Out	58%	42%	100%	31%	69%	100%

Thursday, October 5, 2017 [3]

LAND USE	SIZE	DAILY TRIP ENDS VOLUMES [5]	AM PEAK HOUR VOLUMES [6]			PM PEAK HOUR VOLUMES [6]			DAILY TRIP RATE [7]	AM PEAK HOUR TRIP RATES [7]			PM PEAK HOUR TRIP RATES [7]		
			IN	OUT	TOTAL	IN	OUT	TOTAL		IN	OUT	TOTAL	IN	OUT	TOTAL
Existing WLA District Yard	120 Employees	565	10	39	49	18	46	64	4.708	0.083	0.325	0.408	0.150	0.383	0.533
Distribution Split		50% In/50% Out	20%	80%	100%	28%	72%	100%	50% In/50% Out	20%	80%	100%	28%	72%	100%

Two-Day Average [4]

LAND USE	SIZE	DAILY TRIP ENDS VOLUMES [5]	AM PEAK HOUR VOLUMES [6]			PM PEAK HOUR VOLUMES [6]			DAILY TRIP RATE [7]	AM PEAK HOUR TRIP RATES [7]			PM PEAK HOUR TRIP RATES [7]		
			IN	OUT	TOTAL	IN	OUT	TOTAL		IN	OUT	TOTAL	IN	OUT	TOTAL
Existing WLA District Yard	120 Employees	550	17.5	28.5	46	19	45	64	4.583	0.146	0.238	0.384	0.158	0.375	0.533
Distribution Split		50% In/50% Out	38%	62%	100%	30%	70%	100%	50% In/50% Out	38%	62%	100%	30%	70%	100%

[1] Trips are one-way traffic movements, entering or leaving.

[2] Based on actual site observations on Wednesday, October 4, 2017, the AM peak hour occurred from 6:45 AM to 7:45 AM, and the PM peak hour occurred from 6:15 PM to 7:15 PM.

[3] Based on actual site observations on Thursday, October 5, 2017, the AM peak hour occurred from 7:15 AM to 8:15 AM, and the PM peak hour occurred from 3:15 PM to 4:15 PM.

[4] The two-day average was determined by averaging the individual peak hour trips identified on October 4, 2017 and October 5, 2017, for the AM and PM peak hours.

[5] Daily trip ends were estimated based on the assumption that the average peak hour trips (i.e., the average of the AM and PM peak hour trips) represent ten percent (10%) of the total daily trip ends.

[6] Actual site driveway counts and on-street parking observations were conducted during the morning (6:00 to 10:00 AM) and evening peak periods (3:00 to 7:30 PM) at the existing West Los Angeles District Yard in order to determine the site's actual operating peak hours and empirical peak hour trip rates. The volumes shown represent the peak hour generation (i.e., the peak sum of inbound outbound trips).

[7] Trip rates per employee.

Table 9-2
FREEWAY IMPACT ANALYSIS SCREENING [1]
Weekday AM and PM Peak Hours

PROJECT TRIP GENERATION	TOTAL PROJECT	
	AM	PM
Inbound	12	13
Outbound	19	30

FREEWAY LOCATION	DIR.	PROJECT TRIP DIRECTION	TOTAL PROJECT TRIPS			NO. OF LANES	TOTAL CAPACITY [2]	PERCENT OF CAPACITY		FREEWAY ANALYSIS REQUIRED? (YES/NO) [3]
			DIST.	AM	PM			AM	PM	
Mainline Segment										
I-10 Freeway west of Centinela Avenue	EB WB	Inbound Outbound	5% 5%	1 1	1 2	4 4	8,000 8,000	0.0% 0.0%	0.0% 0.0%	No No
I-10 Freeway east of Bundy Drive	EB WB	Outbound Inbound	20% 20%	4 2	6 3	4 4	8,000 8,000	0.1% 0.0%	0.1% 0.0%	No No
I-405 Freeway north of Santa Monica Boulevard	NB SB	Outbound Inbound	10% 10%	2 1	3 1	4 4	8,000 8,000	0.0% 0.0%	0.0% 0.0%	No No
Off-Ramp										
I-10 Freeway Eastbound at Centinela Avenue	EB	Inbound	5%	1	1	3	2,550	0.0%	0.0%	No
I-10 Freeway Westbound at Centinela Avenue	WB	Inbound	10%	1	1	2	1,700	0.1%	0.1%	No
I-10 Freeway Westbound at Bundy Avenue	WB	Inbound	15%	2	2	1	850	0.2%	0.2%	No
I-405 Freeway Southbound at Santa Monica Boulevard	SB	Inbound	5%	1	1	3	2,550	0.0%	0.0%	No

[1] Pursuant to *Traffic Study Policies and Procedures*, City of Los Angeles Department of Transportation, August 2014, *Agreement Between City of Los Angeles and Caltrans District 7 on Freeway Impact Analysis Procedures*, October 2013, and per *First Amendment to the Agreement between LADOT and Caltrans District 7 on Freeway Impact Analysis Procedures*, December 15, 2015.

[2] Total Capacity derived from the assumed free-flow capacities shown below: (in vehicles per hour per lane)

Facility Type	Capacity
Mainline Segment	2,000 vphpl
Off-Ramp	850 vphpl

[3] Freeway impact analysis is required if the project would result in an increase of ≥2% of capacity for facilities operating at LOS D, or in an increase of ≥1% of capacity for facilities operating at LOS E/F. For a more conservative screening analysis, all facilities are assumed to be operating at LOS E/F.

APPENDIX B

TRAFFIC COUNT DATA

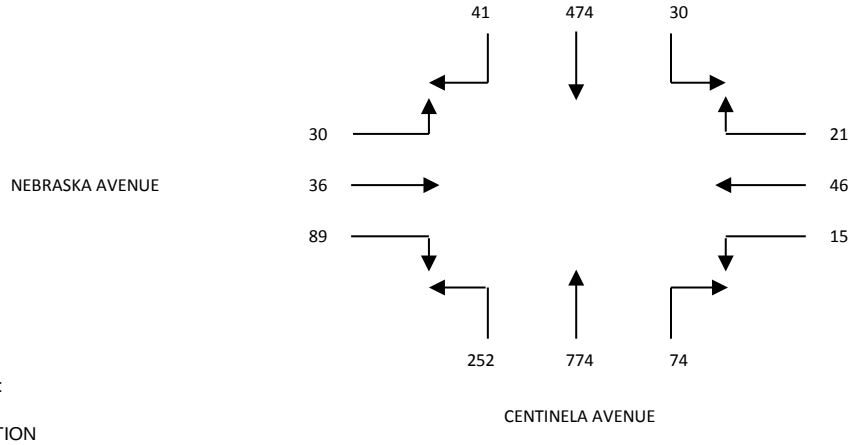
INTERSECTION TURNING MOVEMENT COUNT SUMMARY

CLIENT:		LLG - PASADENA
PROJECT:		WEST L.A. DISTRICT YARD
DATE:		THURSDAY, NOVEMBER 16, 2017
PERIOD:		07:00 AM TO 10:00 AM
INTERSECTION:	N/S	CENTINELA AVENUE
	E/W	NEBRASKA AVENUE
FILE NUMBER:		1-AM

15 MINUTE	1	2	3	4	5	6	7	8	9	10	11	12
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT
0700-0715	1	40	3	3	4	2	5	87	23	10	2	1
0715-0730	3	55	6	2	9	3	7	91	25	20	7	5
0730-0745	5	69	2	4	3	5	8	131	30	30	8	10
0745-0800	11	78	3	4	7	3	5	154	48	45	14	18
0800-0815	6	99	6	2	10	6	10	212	40	42	10	11
0815-0830	4	103	8	2	8	2	13	203	44	35	10	7
0830-0845	6	105	5	3	11	5	19	220	53	28	11	7
0845-0900	11	126	9	3	12	3	18	192	62	23	8	6
0900-0915	14	133	10	5	10	3	18	180	65	20	6	7
0915-0930	10	110	6	10	13	4	19	182	72	18	11	10
0930-0945	8	82	8	5	9	6	19	205	68	20	11	9
0945-1000	11	60	9	4	10	6	25	197	57	26	11	11

1 HOUR	1	2	3	4	5	6	7	8	9	10	11	12	
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT	TOTALS
0700-0800	20	242	14	13	23	13	25	463	126	105	31	34	1109
0715-0815	25	301	17	12	29	17	30	588	143	137	39	44	1382
0730-0830	26	349	19	12	28	16	36	700	162	152	42	46	1588
0745-0845	27	385	22	11	36	16	47	789	185	150	45	43	1756
0800-0900	27	433	28	10	41	16	60	827	199	128	39	31	1839
0815-0915	35	467	32	13	41	13	68	795	224	106	35	27	1856
0830-0930	41	474	30	21	46	15	74	774	252	89	36	30	1882
0845-0945	43	451	33	23	44	16	74	759	267	81	36	32	1859
0900-1000	43	385	33	24	42	19	81	764	262	84	39	37	1813

A.M. PEAK HOUR
0830-0930



DATA PROVIDED BY:

THE TRAFFIC SOLUTION
329 DIAMOND STREET
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PEDESTRIAN - BICYCLE COUNT SUMMARY

CLIENT: LLG - PASADENA

PROJECT: WEST L.A. DISTRICT YARD

DATE: THURSDAY, NOVEMBER 16, 2017

PERIOD: 07:00 AM TO 10:00 AM

INTERSECTION: CENTINELA AVENUE / NEBRASKA AVENUE

FILE: 1AMPED-BIKE

	PEDESTRIAN MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0700-0715	0	1	1	1
0715-0730	1	3	5	0
0730-0745	1	7	10	2
0745-0800	4	1	10	2
0800-0815	3	1	3	6
0815-0830	0	0	2	0
0830-0845	3	5	7	4
0845-0900	5	1	6	2
0900-0915	5	2	0	3
0915-0930	8	3	10	3
0930-0945	2	5	9	2
0945-1000	7	2	4	1

	BICYCLIST MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0700-0715	0	0	1	0
0715-0730	2	0	0	0
0730-0745	0	0	1	0
0745-0800	0	1	0	0
0800-0815	2	1	1	0
0815-0830	2	1	0	1
0830-0845	2	0	1	1
0845-0900	1	0	1	0
0900-0915	2	0	0	0
0915-0930	3	0	3	2
0930-0945	1	0	0	0
0945-1000	1	0	1	0

	PEDESTRIAN MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0700-0800	6	12	26	5	49
0715-0815	9	12	28	10	59
0730-0830	8	9	25	10	52
0745-0845	10	7	22	12	51
0800-0900	11	7	18	12	48
0815-0915	13	8	15	9	45
0830-0930	21	11	23	12	67
0845-0945	20	11	25	10	66
0900-1000	22	12	23	9	66

	BICYCLIST MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0700-0800	2	1	2	0	5
0715-0815	4	2	2	0	8
0730-0830	4	3	2	1	10
0745-0845	6	3	2	2	13
0800-0900	7	2	3	2	14
0815-0915	7	1	2	2	12
0830-0930	8	0	5	3	16
0845-0945	7	0	4	2	13
0900-1000	7	0	4	2	13

THE TRAFFIC SOLUTION
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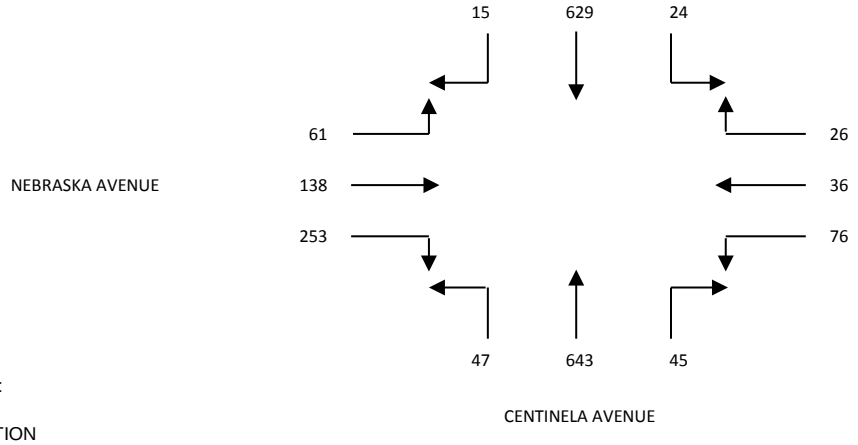
INTERSECTION TURNING MOVEMENT COUNT SUMMARY

CLIENT:		LLG - PASADENA
PROJECT:		WEST L.A. DISTRICT YARD
DATE:		THURSDAY, NOVEMBER 16, 2017
PERIOD:		03:00 PM TO 06:00 PM
INTERSECTION:	N/S	CENTINELA AVENUE
	E/W	NEBRASKA AVENUE
FILE NUMBER:		1-PM

15 MINUTE	1	2	3	4	5	6	7	8	9	10	11	12
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT
0300-0315	15	125	3	3	8	14	7	109	29	36	6	6
0315-0330	15	135	4	2	10	14	7	100	23	64	19	9
0330-0345	10	170	6	4	8	17	9	122	19	72	14	13
0345-0400	6	163	7	7	9	10	16	106	12	58	20	11
0400-0415	5	173	4	3	9	11	11	124	10	40	23	9
0415-0430	3	142	6	4	11	18	10	117	17	55	26	5
0430-0445	4	157	9	4	7	16	12	123	12	57	32	10
0445-0500	5	161	5	6	5	14	11	138	12	51	20	11
0500-0515	3	182	3	5	6	19	17	162	10	50	30	11
0515-0530	3	162	4	7	9	17	10	145	15	77	39	15
0530-0545	5	152	7	6	13	22	11	155	10	69	34	19
0545-0600	4	133	10	8	8	18	7	181	12	57	35	16

1 HOUR	1	2	3	4	5	6	7	8	9	10	11	12	
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT	TOTALS
0300-0400	46	593	20	16	35	55	39	437	83	230	59	39	1652
0315-0415	36	641	21	16	36	52	43	452	64	234	76	42	1713
0330-0430	24	648	23	18	37	56	46	469	58	225	83	38	1725
0345-0445	18	635	26	18	36	55	49	470	51	210	101	35	1704
0400-0500	17	633	24	17	32	59	44	502	51	203	101	35	1718
0415-0515	15	642	23	19	29	67	50	540	51	213	108	37	1794
0430-0530	15	662	21	22	27	66	50	568	49	235	121	47	1883
0445-0545	16	657	19	24	33	72	49	600	47	247	123	56	1943
0500-0600	15	629	24	26	36	76	45	643	47	253	138	61	1993

P.M. PEAK HOUR
0500-0600



DATA PROVIDED BY:

THE TRAFFIC SOLUTION
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PEDESTRIAN - BICYCLE COUNT SUMMARY

CLIENT: LLG - PASADENA

PROJECT: WEST L.A. DISTRICT YARD

DATE: THURSDAY, NOVEMBER 16, 2017

PERIOD: 03:00 PM TO 06:00 PM

INTERSECTION: CENTINELA AVENUE / NEBRASKA AVENUE

FILE: 1PMPED-BIKE

	PEDESTRIAN MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0300-0315	4	3	4	5
0315-0330	1	0	6	2
0330-0345	4	5	6	6
0345-0400	3	2	0	2
0400-0415	0	3	2	2
0415-0430	2	1	1	4
0430-0445	2	3	0	0
0445-0500	3	0	2	4
0500-0515	5	2	1	2
0515-0530	2	1	3	4
0530-0545	3	2	2	2
0545-0600	1	1	2	3

	BICYCLIST MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0300-0315	0	0	0	0
0315-0330	0	1	0	1
0330-0345	1	1	1	0
0345-0400	0	0	1	0
0400-0415	4	0	0	0
0415-0430	0	0	1	1
0430-0445	0	0	1	1
0445-0500	0	0	0	1
0500-0515	1	0	2	0
0515-0530	0	0	0	0
0530-0545	0	0	0	1
0545-0600	0	0	3	1

	PEDESTRIAN MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0300-0400	12	10	16	15	53
0315-0415	8	10	14	12	44
0330-0430	9	11	9	14	43
0345-0445	7	9	3	8	27
0400-0500	7	7	5	10	29
0415-0515	12	6	4	10	32
0430-0530	12	6	6	10	34
0445-0545	13	5	8	12	38
0500-0600	11	6	8	11	36

	BICYCLIST MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0300-0400	1	2	2	1	6
0315-0415	5	2	2	1	10
0330-0430	5	1	3	1	10
0345-0445	4	0	3	2	9
0400-0500	4	0	2	3	9
0415-0515	1	0	4	3	8
0430-0530	1	0	3	2	6
0445-0545	1	0	2	2	5
0500-0600	1	0	5	2	8

THE TRAFFIC SOLUTION
9 ALTA STREET UNIT E
ARCADIA, CALIFORNIA 91006
626.485.8048 PHONE
trafsolutn@aol.com

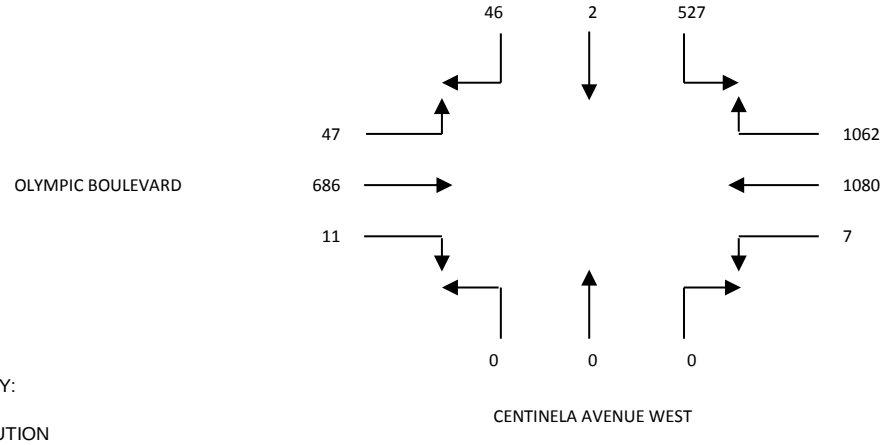
INTERSECTION TURNING MOVEMENT COUNT SUMMARY

CLIENT:		LLG - PASADENA
PROJECT:		WEST L.A. DISTRICT YARD
DATE:		THURSDAY, NOVEMBER 16, 2017
PERIOD:		07:00 AM TO 10:00 AM
INTERSECTION:	N/S	CENTINELA AVENUE WEST
	E/W	OLYMPIC BOULEVARD
FILE NUMBER:		2-AM

15 MINUTE	1	2	3	4	5	6	7	8	9	10	11	12
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT
0700-0715	7	1	39	116	145	0	0	0	0	1	52	2
0715-0730	9	0	78	133	203	1	0	0	0	2	70	3
0730-0745	17	0	83	161	274	2	0	0	0	0	105	4
0745-0800	25	0	110	203	281	1	0	0	0	1	148	6
0800-0815	18	1	135	270	268	0	0	0	0	3	161	5
0815-0830	10	1	121	241	267	2	0	0	0	1	195	10
0830-0845	8	0	151	260	279	2	0	0	0	4	173	15
0845-0900	10	0	120	291	266	3	0	0	0	3	157	17
0900-0915	10	1	123	282	231	2	0	0	0	2	185	18
0915-0930	11	1	100	278	220	1	0	0	0	4	180	10
0930-0945	8	1	110	280	205	2	0	0	0	2	167	8
0945-1000	3	2	94	289	192	3	0	0	0	3	171	12

1 HOUR	1	2	3	4	5	6	7	8	9	10	11	12	
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT	TOTALS
0700-0800	58	1	310	613	903	4	0	0	0	4	375	15	2283
0715-0815	69	1	406	767	1026	4	0	0	0	6	484	18	2781
0730-0830	70	2	449	875	1090	5	0	0	0	5	609	25	3130
0745-0845	61	2	517	974	1095	5	0	0	0	9	677	36	3376
0800-0900	46	2	527	1062	1080	7	0	0	0	11	686	47	3468
0815-0915	38	2	515	1074	1043	9	0	0	0	10	710	60	3461
0830-0930	39	2	494	1111	996	8	0	0	0	13	695	60	3418
0845-0945	39	3	453	1131	922	8	0	0	0	11	689	53	3309
0900-1000	32	5	427	1129	848	8	0	0	0	11	703	48	3211

A.M. PEAK HOUR
0800-0900



DATA PROVIDED BY:

THE TRAFFIC SOLUTION
329 DIAMOND STREET
ARCADIA, CALIFORNIA 91005
PH: 626-446-7978
FAX: 626-446-2877
.

PEDESTRIAN - BICYCLE COUNT SUMMARY

CLIENT: LLG - PASADENA

PROJECT: WEST L.A. DISTRICT YARD

DATE: THURSDAY, NOVEMBER 16, 2017

PERIOD: 07:00 AM TO 10:00 AM

INTERSECTION: CENTINELA AVENUE WEST / OLYMPIC BOULEVARD

FILE: 2AMPED-BIKE

	PEDESTRIAN MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0700-0715	1	0	1	2
0715-0730	1	0	1	2
0730-0745	5	0	1	3
0745-0800	0	0	2	5
0800-0815	1	0	0	5
0815-0830	2	0	1	2
0830-0845	4	0	3	3
0845-0900	3	0	3	2
0900-0915	4	0	2	3
0915-0930	1	0	4	0
0930-0945	4	0	2	1
0945-1000	6	0	3	1

	BICYCLIST MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0700-0715	2	0	0	0
0715-0730	0	0	0	0
0730-0745	2	0	1	0
0745-0800	0	0	1	0
0800-0815	0	0	0	0
0815-0830	0	0	0	1
0830-0845	0	0	1	1
0845-0900	1	0	2	1
0900-0915	0	0	1	0
0915-0930	0	0	0	2
0930-0945	2	0	1	1
0945-1000	1	0	0	2

	PEDESTRIAN MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0700-0800	7	0	5	12	24
0715-0815	7	0	4	15	26
0730-0830	8	0	4	15	27
0745-0845	7	0	6	15	28
0800-0900	10	0	7	12	29
0815-0915	13	0	9	10	32
0830-0930	12	0	12	8	32
0845-0945	12	0	11	6	29
0900-1000	15	0	11	5	31

	BICYCLIST MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0700-0800	4	0	2	0	6
0715-0815	2	0	2	0	4
0730-0830	2	0	2	1	5
0745-0845	0	0	2	2	4
0800-0900	1	0	3	3	7
0815-0915	1	0	4	3	8
0830-0930	1	0	4	4	9
0845-0945	3	0	4	4	11
0900-1000	3	0	2	5	10

THE TRAFFIC SOLUTION
9 ALTA STREET UNIT E
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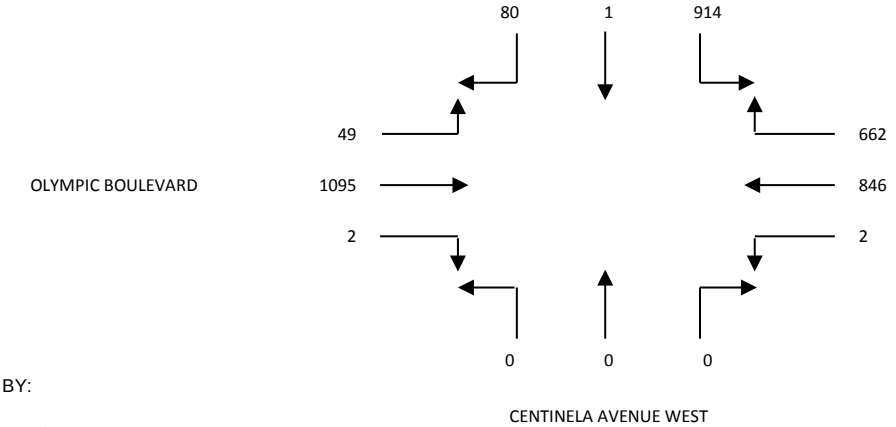
INTERSECTION TURNING MOVEMENT COUNT SUMMARY

CLIENT:		LLG - PASADENA
PROJECT:		WEST L.A. DISTRICT YARD
DATE:		THURSDAY, NOVEMBER 16, 2017
PERIOD:		03:00 PM TO 06:00 PM
INTERSECTION:	N/S	CENTINELA AVENUE WEST
	E/W	OLYMPIC BOULEVARD
FILE NUMBER:		2-PM

15 MINUTE	1	2	3	4	5	6	7	8	9	10	11	12
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT
0300-0315	15	0	150	145	197	1	0	0	0	2	228	4
0315-0330	24	1	227	129	203	0	0	0	0	1	233	7
0330-0345	22	1	217	124	212	2	0	0	0	3	275	8
0345-0400	20	1	239	115	228	2	0	0	0	2	266	16
0400-0415	23	1	209	133	211	1	0	0	0	4	305	12
0415-0430	21	2	232	145	200	2	0	0	0	5	273	17
0430-0445	27	1	219	129	188	1	0	0	0	2	250	10
0445-0500	21	0	193	136	197	0	0	0	0	1	282	15
0500-0515	23	1	227	144	190	2	0	0	0	1	277	16
0515-0530	18	0	263	178	217	0	0	0	0	0	262	11
0530-0545	24	0	205	145	208	0	0	0	0	1	286	10
0545-0600	15	0	219	195	231	0	0	0	0	0	270	12

1 HOUR	1	2	3	4	5	6	7	8	9	10	11	12	
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT	TOTALS
0300-0400	81	3	833	513	840	5	0	0	0	8	1002	35	3320
0315-0415	89	4	892	501	854	5	0	0	0	10	1079	43	3477
0330-0430	86	5	897	517	851	7	0	0	0	14	1119	53	3549
0345-0445	91	5	899	522	827	6	0	0	0	13	1094	55	3512
0400-0500	92	4	853	543	796	4	0	0	0	12	1110	54	3468
0415-0515	92	4	871	554	775	5	0	0	0	9	1082	58	3450
0430-0530	89	2	902	587	792	3	0	0	0	4	1071	52	3502
0445-0545	86	1	888	603	812	2	0	0	0	3	1107	52	3554
0500-0600	80	1	914	662	846	2	0	0	0	2	1095	49	3651

P.M. PEAK HOUR
0500-0600



DATA PROVIDED BY:

THE TRAFFIC SOLUTION
329 DIAMOND STREET
ARCADIA, CALIFORNIA 91005
PH: 626-446-7978
FAX: 626-446-2877
.

PEDESTRIAN - BICYCLE COUNT SUMMARY

CLIENT: LLG - PASADENA

PROJECT: WEST L.A. DISTRICT YARD

DATE: THURSDAY, NOVEMBER 16, 2017

PERIOD: 03:00 PM TO 06:00 PM

INTERSECTION: CENTINELA AVENUE WEST / OLYMPIC BOULEVARD

FILE: 2PMPED-BIKE

	PEDESTRIAN MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0300-0315	4	0	3	0
0315-0330	3	0	5	4
0330-0345	11	0	5	3
0345-0400	5	0	3	4
0400-0415	2	0	6	4
0415-0430	4	0	3	5
0430-0445	2	0	4	0
0445-0500	5	0	4	3
0500-0515	2	0	3	3
0515-0530	6	0	2	4
0530-0545	6	0	3	3
0545-0600	2	0	2	2

	BICYCLIST MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0300-0315	0	0	0	1
0315-0330	2	0	0	1
0330-0345	0	0	1	0
0345-0400	0	0	0	2
0400-0415	0	0	0	0
0415-0430	0	0	1	1
0430-0445	1	0	0	0
0445-0500	0	0	1	1
0500-0515	0	0	0	0
0515-0530	0	0	0	2
0530-0545	1	0	1	2
0545-0600	0	0	0	3

	PEDESTRIAN MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0300-0400	23	0	16	11	50
0315-0415	21	0	19	15	55
0330-0430	22	0	17	16	55
0345-0445	13	0	16	13	42
0400-0500	13	0	17	12	42
0415-0515	13	0	14	11	38
0430-0530	15	0	13	10	38
0445-0545	19	0	12	13	44
0500-0600	16	0	10	12	38

	BICYCLIST MOVEMENTS			
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0300-0400	2	0	1	4
0315-0415	2	0	1	3
0330-0430	0	0	2	3
0345-0445	1	0	1	3
0400-0500	1	0	2	2
0415-0515	1	0	2	2
0430-0530	1	0	1	3
0445-0545	1	0	2	5
0500-0600	1	0	1	7

THE TRAFFIC SOLUTION
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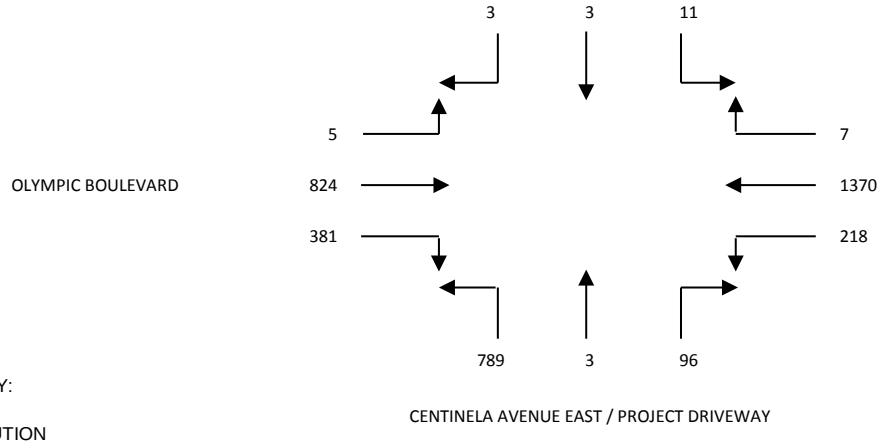
INTERSECTION TURNING MOVEMENT COUNT SUMMARY

CLIENT:		LLG - PASADENA
PROJECT:		WEST L.A. DISTRICT YARD
DATE:		THURSDAY, NOVEMBER 16, 2017
PERIOD:		07:00 AM TO 10:00 AM
INTERSECTION:	N/S	CENTINELA AVENUE EAST / PROJECT DRIVEWAY
	E/W	OLYMPIC BOULEVARD
FILE NUMBER:		3-AM

15 MINUTE	1	2	3	4	5	6	7	8	9	10	11	12
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT
0700-0715	1	0	0	1	137	34	17	0	114	32	50	0
0715-0730	0	2	3	0	212	41	10	0	120	54	86	1
0730-0745	1	2	6	0	296	59	16	0	176	66	125	2
0745-0800	1	5	13	2	332	56	23	1	209	90	162	2
0800-0815	0	0	5	1	301	52	28	0	207	88	189	1
0815-0830	1	0	2	3	318	45	25	1	202	104	219	1
0830-0845	1	1	5	3	369	69	21	1	196	102	203	0
0845-0900	1	0	2	1	309	54	27	0	197	85	194	2
0900-0915	0	2	2	0	374	50	23	1	194	90	208	2
0915-0930	3	2	2	4	337	48	29	1	185	75	223	3
0930-0945	2	2	2	2	308	30	31	2	170	65	229	2
0945-1000	3	4	5	2	286	42	34	2	183	73	188	3

1 HOUR	1	2	3	4	5	6	7	8	9	10	11	12	
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT	TOTALS
0700-0800	3	9	22	3	977	190	66	1	619	242	423	5	2560
0715-0815	2	9	27	3	1141	208	77	1	712	298	562	6	3046
0730-0830	3	7	26	6	1247	212	92	2	794	348	695	6	3438
0745-0845	3	6	25	9	1320	222	97	3	814	384	773	4	3660
0800-0900	3	1	14	8	1297	220	101	2	802	379	805	4	3636
0815-0915	3	3	11	7	1370	218	96	3	789	381	824	5	3710
0830-0930	5	5	11	8	1389	221	100	3	772	352	828	7	3701
0845-0945	6	6	8	7	1328	182	110	4	746	315	854	9	3575
0900-1000	8	10	11	8	1305	170	117	6	732	303	848	10	3528

A.M. PEAK HOUR
0815-0915



DATA PROVIDED BY:

THE TRAFFIC SOLUTION
329 DIAMOND STREET
ARCADIA, CALIFORNIA 91005
PH: 626-446-7978
FAX: 626-446-2877
.

PEDESTRIAN - BICYCLE COUNT SUMMARY

CLIENT: LLG - PASADENA

PROJECT: WEST L.A. DISTRICT YARD

DATE: THURSDAY, NOVEMBER 16, 2017

PERIOD: 07:00 AM TO 10:00 AM

INTERSECTION: CENTINELA AVENUE EAST - PROJECT DRIVEWAY / OLYMPIC BOULEVARD

FILE: 3AMPED-BIKE

	PEDESTRIAN MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0700-0715	1	0	2	0
0715-0730	2	3	0	0
0730-0745	3	3	2	0
0745-0800	2	1	4	0
0800-0815	1	5	4	0
0815-0830	3	7	5	0
0830-0845	3	6	7	0
0845-0900	2	7	0	0
0900-0915	1	16	4	0
0915-0930	3	23	4	0
0930-0945	5	11	2	0
0945-1000	5	19	7	0

	BICYCLIST MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0700-0715	0	1	0	0
0715-0730	1	0	0	0
0730-0745	1	1	0	0
0745-0800	0	3	0	0
0800-0815	0	1	0	0
0815-0830	1	1	1	0
0830-0845	0	2	5	0
0845-0900	2	1	1	0
0900-0915	0	1	2	0
0915-0930	1	0	0	0
0930-0945	2	2	1	0
0945-1000	1	3	1	0

	PEDESTRIAN MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0700-0800	8	7	8	0	23
0715-0815	8	12	10	0	30
0730-0830	9	16	15	0	40
0745-0845	9	19	20	0	48
0800-0900	9	25	16	0	50
0815-0915	9	36	16	0	61
0830-0930	9	52	15	0	76
0845-0945	11	57	10	0	78
0900-1000	14	69	17	0	100

	BICYCLIST MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0700-0800	2	5	0	0	7
0715-0815	2	5	0	0	7
0730-0830	2	6	1	0	9
0745-0845	1	7	6	0	14
0800-0900	3	5	7	0	15
0815-0915	3	5	9	0	17
0830-0930	3	4	8	0	15
0845-0945	5	4	4	0	13
0900-1000	4	6	4	0	14

THE TRAFFIC SOLUTION
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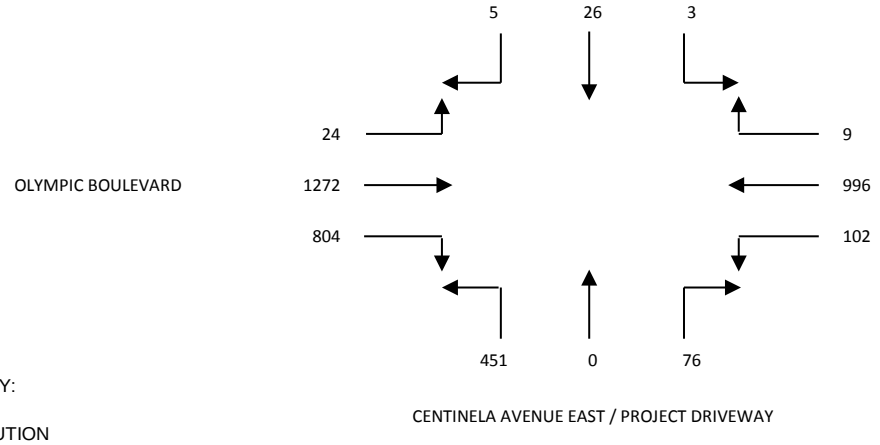
INTERSECTION TURNING MOVEMENT COUNT SUMMARY

CLIENT:		LLG - PASADENA
PROJECT:		WEST L.A. DISTRICT YARD
DATE:		THURSDAY, NOVEMBER 16, 2017
PERIOD:		03:00 PM TO 06:00 PM
INTERSECTION:	N/S	CENTINELA AVENUE EAST / PROJECT DRIVEWAY
	E/W	OLYMPIC BOULEVARD
FILE NUMBER:		3-PM

15 MINUTE	1	2	3	4	5	6	7	8	9	10	11	12
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT
0300-0315	0	1	1	6	205	33	12	3	122	117	246	0
0315-0330	1	1	0	6	215	40	26	5	113	185	348	3
0330-0345	0	1	2	8	213	30	21	2	106	204	309	2
0345-0400	1	2	3	3	233	32	17	4	93	200	279	0
0400-0415	3	14	6	3	234	28	19	1	93	224	321	0
0415-0430	3	26	3	4	217	21	16	0	99	234	314	0
0430-0445	2	20	1	3	245	28	14	1	84	218	278	1
0445-0500	0	19	0	2	277	39	16	0	103	196	308	4
0500-0515	1	5	0	2	239	30	15	0	122	194	310	8
0515-0530	2	1	2	3	234	20	21	0	105	200	336	7
0530-0545	2	1	1	2	246	13	24	0	121	214	318	5
0545-0600	1	0	0	2	262	15	20	1	124	189	322	2

1 HOUR	1	2	3	4	5	6	7	8	9	10	11	12	
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT	TOTALS
0300-0400	2	5	6	23	866	135	76	14	434	706	1182	5	3454
0315-0415	5	18	11	20	895	130	83	12	405	813	1257	5	3654
0330-0430	7	43	14	18	897	111	73	7	391	862	1223	2	3648
0345-0445	9	62	13	13	929	109	66	6	369	876	1192	1	3645
0400-0500	8	79	10	12	973	116	65	2	379	872	1221	5	3742
0415-0515	6	70	4	11	978	118	61	1	408	842	1210	13	3722
0430-0530	5	45	3	10	995	117	66	1	414	808	1232	20	3716
0445-0545	5	26	3	9	996	102	76	0	451	804	1272	24	3768
0500-0600	6	7	3	9	981	78	80	1	472	797	1286	22	3742

P.M. PEAK HOUR
0445-0545



DATA PROVIDED BY:

THE TRAFFIC SOLUTION
329 DIAMOND STREET
ARCADIA, CALIFORNIA 91005
PH: 626-446-7978
FAX: 626-446-2877
.

PEDESTRIAN - BICYCLE COUNT SUMMARY

CLIENT: LLG - PASADENA

PROJECT: WEST L.A. DISTRICT YARD

DATE: THURSDAY, NOVEMBER 16, 2017

PERIOD: 03:00 PM TO 06:00 PM

INTERSECTION: CENTINELA AVENUE EAST - PROJECT DRIVEWAY / OLYMPIC BOULEVARD

FILE: 3PMPED-BIKE

	PEDESTRIAN MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0300-0315	9	51	7	0
0315-0330	13	51	8	0
0330-0345	11	49	3	0
0345-0400	9	32	3	0
0400-0415	8	30	4	0
0415-0430	11	30	0	0
0430-0445	4	11	2	0
0445-0500	7	25	2	0
0500-0515	8	34	10	0
0515-0530	6	11	9	0
0530-0545	5	3	2	0
0545-0600	3	5	5	0

	BICYCLIST MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0300-0315	1	0	0	0
0315-0330	1	1	0	0
0330-0345	0	0	1	0
0345-0400	0	0	0	0
0400-0415	2	0	2	0
0415-0430	1	0	3	0
0430-0445	1	0	1	0
0445-0500	0	0	2	0
0500-0515	2	1	4	0
0515-0530	3	0	0	0
0530-0545	2	0	1	0
0545-0600	2	0	1	0

	PEDESTRIAN MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0300-0400	42	183	21	0	246
0315-0415	41	162	18	0	221
0330-0430	39	141	10	0	190
0345-0445	32	103	9	0	144
0400-0500	30	96	8	0	134
0415-0515	30	100	14	0	144
0430-0530	25	81	23	0	129
0445-0545	26	73	23	0	122
0500-0600	22	53	26	0	101

	BICYCLIST MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0300-0400	2	1	1	0	4
0315-0415	3	1	3	0	7
0330-0430	3	0	6	0	9
0345-0445	4	0	6	0	10
0400-0500	4	0	8	0	12
0415-0515	4	1	10	0	15
0430-0530	6	1	7	0	14
0445-0545	7	1	7	0	15
0500-0600	9	1	6	0	16

THE TRAFFIC SOLUTION
9 ALTA STREET UNIT E
ARCADIA, CALIFORNIA 91006
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trafsolutn@aol.com

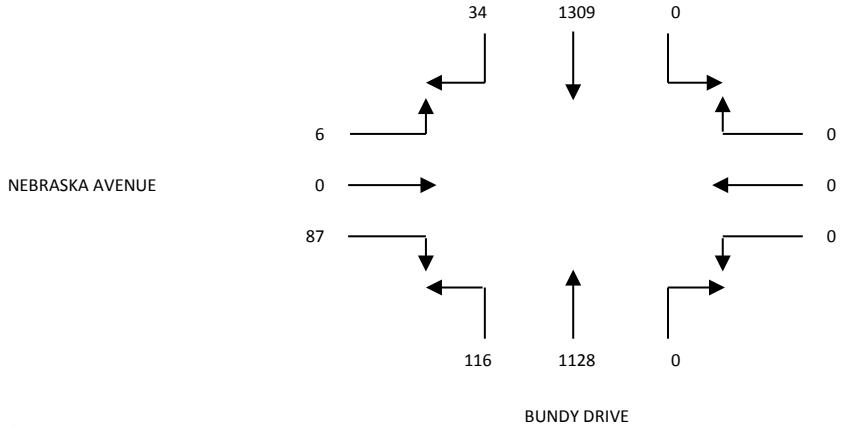
INTERSECTION TURNING MOVEMENT COUNT SUMMARY

CLIENT:		LLG - PASADENA
PROJECT:		WEST L.A. DISTRICT YARD
DATE:		THURSDAY, NOVEMBER 16, 2017
PERIOD:		07:00 AM TO 10:00 AM
INTERSECTION:	N/S	BUNDY DRIVE
	E/W	NEBRASKA AVENUE
FILE NUMBER:		4-AM

15 MINUTE	1	2	3	4	5	6	7	8	9	10	11	12
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT
0700-0715	6	120	0	0	0	0	0	208	18	3	0	0
0715-0730	4	140	0	0	0	0	0	286	17	8	0	2
0730-0745	4	185	0	0	0	0	0	327	20	10	0	2
0745-0800	4	242	0	0	0	0	0	319	20	15	0	1
0800-0815	8	333	0	0	0	0	0	283	33	25	0	3
0815-0830	8	325	0	0	0	0	0	276	35	24	0	1
0830-0845	8	334	0	0	0	0	0	288	23	20	0	2
0845-0900	10	317	0	0	0	0	0	281	25	18	0	0
0900-0915	16	326	0	0	0	0	0	269	39	14	0	0
0915-0930	16	297	0	0	0	0	0	270	47	18	0	2
0930-0945	19	277	0	0	0	0	0	249	42	21	0	1
0945-1000	15	251	0	0	0	0	0	230	54	19	0	3

1 HOUR	1	2	3	4	5	6	7	8	9	10	11	12	
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT	TOTALS
0700-0800	18	687	0	0	0	0	0	1140	75	36	0	5	1961
0715-0815	20	900	0	0	0	0	0	1215	90	58	0	8	2291
0730-0830	24	1085	0	0	0	0	0	1205	108	74	0	7	2503
0745-0845	28	1234	0	0	0	0	0	1166	111	84	0	7	2630
0800-0900	34	1309	0	0	0	0	0	1128	116	87	0	6	2680
0815-0915	42	1302	0	0	0	0	0	1114	122	76	0	3	2659
0830-0930	50	1274	0	0	0	0	0	1108	134	70	0	4	2640
0845-0945	61	1217	0	0	0	0	0	1069	153	71	0	3	2574
0900-1000	66	1151	0	0	0	0	0	1018	182	72	0	6	2495

A.M. PEAK HOUR
0800-0900



DATA PROVIDED BY:

THE TRAFFIC SOLUTION
329 DIAMOND STREET
ARCADIA, CALIFORNIA 91005
PH: 626-446-7978
FAX: 626-446-2877
.

PEDESTRIAN - BICYCLE COUNT SUMMARY

CLIENT: LLG - PASADENA

PROJECT: WEST L.A. DISTRICT YARD

DATE: THURSDAY, NOVEMBER 16, 2017

PERIOD: 07:00 AM TO 10:00 AM

INTERSECTION: BUNDY DRIVE / NEBRASKA AVENUE

FILE: 4AMPED-BIKE

	PEDESTRIAN MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0700-0715	0	0	0	4
0715-0730	0	0	0	1
0730-0745	0	0	0	3
0745-0800	0	0	0	5
0800-0815	0	0	0	1
0815-0830	0	0	0	3
0830-0845	0	0	0	3
0845-0900	0	0	0	1
0900-0915	0	0	0	4
0915-0930	0	0	0	4
0930-0945	0	0	0	4
0945-1000	0	0	0	5

	BICYCLIST MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0700-0715	0	0	0	1
0715-0730	0	0	0	0
0730-0745	0	0	0	2
0745-0800	0	0	0	2
0800-0815	0	0	0	1
0815-0830	0	0	0	2
0830-0845	0	0	0	2
0845-0900	0	0	0	1
0900-0915	0	0	0	3
0915-0930	0	0	0	1
0930-0945	0	0	0	1
0945-1000	0	0	0	1

	PEDESTRIAN MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0700-0800	0	0	0	13	13
0715-0815	0	0	0	10	10
0730-0830	0	0	0	12	12
0745-0845	0	0	0	12	12
0800-0900	0	0	0	8	8
0815-0915	0	0	0	11	11
0830-0930	0	0	0	12	12
0845-0945	0	0	0	13	13
0900-1000	0	0	0	17	17

	BICYCLIST MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0700-0800	0	0	0	5	5
0715-0815	0	0	0	5	5
0730-0830	0	0	0	7	7
0745-0845	0	0	0	7	7
0800-0900	0	0	0	6	6
0815-0915	0	0	0	8	8
0830-0930	0	0	0	7	7
0845-0945	0	0	0	6	6
0900-1000	0	0	0	6	6

THE TRAFFIC SOLUTION
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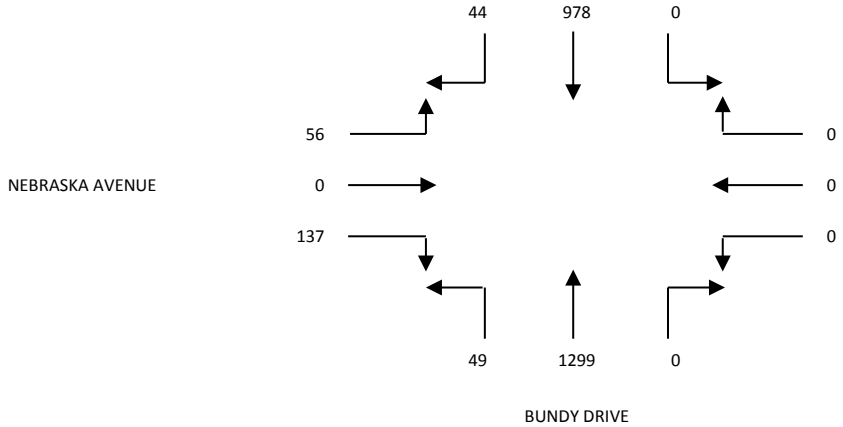
INTERSECTION TURNING MOVEMENT COUNT SUMMARY

CLIENT:		LLG - PASADENA
PROJECT:		WEST L.A. DISTRICT YARD
DATE:		THURSDAY, NOVEMBER 16, 2017
PERIOD:		03:00 PM TO 06:00 PM
INTERSECTION:	N/S	BUNDY DRIVE
	E/W	NEBRASKA AVENUE
FILE NUMBER:		4-PM

15 MINUTE	1	2	3	4	5	6	7	8	9	10	11	12
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT
0300-0315	17	324	0	0	0	0	0	290	17	42	0	5
0315-0330	16	310	0	0	0	0	0	283	10	33	0	9
0330-0345	11	204	0	0	0	0	0	278	10	26	0	8
0345-0400	13	245	0	0	0	0	0	300	15	39	0	12
0400-0415	13	297	0	0	0	0	0	356	10	40	0	10
0415-0430	11	225	0	0	0	0	0	304	13	30	0	11
0430-0445	10	236	0	0	0	0	0	299	12	33	0	17
0445-0500	10	220	0	0	0	0	0	340	14	34	0	18
0500-0515	6	210	0	0	0	0	0	294	9	39	0	11
0515-0530	8	224	0	0	0	0	0	316	10	31	0	16
0530-0545	7	217	0	0	0	0	0	325	14	30	0	19
0545-0600	8	202	0	0	0	0	0	291	11	28	0	18

1 HOUR	1	2	3	4	5	6	7	8	9	10	11	12	
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT	TOTALS
0300-0400	57	1083	0	0	0	0	0	1151	52	140	0	34	2517
0315-0415	53	1056	0	0	0	0	0	1217	45	138	0	39	2548
0330-0430	48	971	0	0	0	0	0	1238	48	135	0	41	2481
0345-0445	47	1003	0	0	0	0	0	1259	50	142	0	50	2551
0400-0500	44	978	0	0	0	0	0	1299	49	137	0	56	2563
0415-0515	37	891	0	0	0	0	0	1237	48	136	0	57	2406
0430-0530	34	890	0	0	0	0	0	1249	45	137	0	62	2417
0445-0545	31	871	0	0	0	0	0	1275	47	134	0	64	2422
0500-0600	29	853	0	0	0	0	0	1226	44	128	0	64	2344

P.M. PEAK HOUR
0400-0500



DATA PROVIDED BY:

THE TRAFFIC SOLUTION
329 DIAMOND STREET
ARCADIA, CALIFORNIA 91005
PH: 626-446-7978
FAX: 626-446-2877
.

PEDESTRIAN - BICYCLE COUNT SUMMARY

CLIENT: LLG - PASADENA

PROJECT: WEST L.A. DISTRICT YARD

DATE: THURSDAY, NOVEMBER 16, 2017

PERIOD: 03:00 PM TO 06:00 PM

INTERSECTION: BUNDY DRIVE / NEBRASKA AVENUE

FILE: 4PMPED-BIKE

	PEDESTRIAN MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0300-0315	0	0	0	8
0315-0330	0	0	0	10
0330-0345	0	0	0	7
0345-0400	0	0	0	7
0400-0415	0	0	0	3
0415-0430	0	0	0	10
0430-0445	0	0	0	5
0445-0500	0	0	0	4
0500-0515	0	0	0	3
0515-0530	0	0	0	3
0530-0545	0	0	0	5
0545-0600	0	0	0	5

	BICYCLIST MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0300-0315	0	0	0	1
0315-0330	0	0	0	1
0330-0345	0	0	0	2
0345-0400	0	0	0	1
0400-0415	0	0	0	2
0415-0430	0	0	0	3
0430-0445	0	0	0	4
0445-0500	0	0	0	3
0500-0515	0	0	0	3
0515-0530	0	0	0	2
0530-0545	0	0	0	1
0545-0600	0	0	0	1

	PEDESTRIAN MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0300-0400	0	0	0	32	32
0315-0415	0	0	0	27	27
0330-0430	0	0	0	27	27
0345-0445	0	0	0	25	25
0400-0500	0	0	0	22	22
0415-0515	0	0	0	22	22
0430-0530	0	0	0	15	15
0445-0545	0	0	0	15	15
0500-0600	0	0	0	16	16

	BICYCLIST MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0300-0400	0	0	0	5	5
0315-0415	0	0	0	6	6
0330-0430	0	0	0	8	8
0345-0445	0	0	0	10	10
0400-0500	0	0	0	12	12
0415-0515	0	0	0	13	13
0430-0530	0	0	0	12	12
0445-0545	0	0	0	9	9
0500-0600	0	0	0	7	7

THE TRAFFIC SOLUTION
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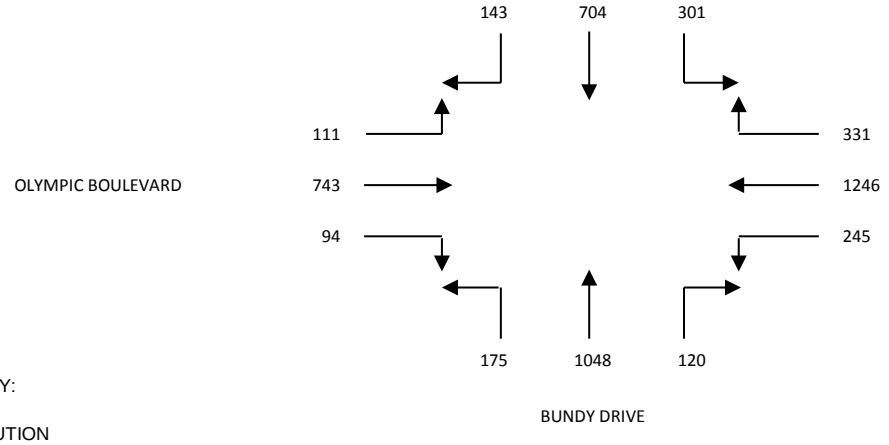
INTERSECTION TURNING MOVEMENT COUNT SUMMARY

CLIENT:		LLG - PASADENA
PROJECT:		WEST L.A. DISTRICT YARD
DATE:		THURSDAY, NOVEMBER 16, 2017
PERIOD:		07:00 AM TO 10:00 AM
INTERSECTION:	N/S	BUNDY DRIVE
	E/W	OLYMPIC BOULEVARD
FILE NUMBER:		5-AM

15 MINUTE	1	2	3	4	5	6	7	8	9	10	11	12
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT
0700-0715	22	103	20	60	168	43	24	255	32	7	63	12
0715-0730	31	136	29	83	202	31	30	278	34	15	85	8
0730-0745	31	158	49	84	283	34	33	261	34	20	109	14
0745-0800	30	166	54	70	337	46	28	243	38	25	153	15
0800-0815	34	190	83	91	297	58	37	278	41	21	195	20
0815-0830	45	160	71	88	290	70	31	259	46	28	195	33
0830-0845	34	183	87	77	313	69	24	251	33	20	162	20
0845-0900	30	171	60	75	346	48	28	260	55	25	191	38
0900-0915	36	167	64	84	288	51	31	238	42	20	153	28
0915-0930	45	161	53	81	277	50	27	231	50	36	171	29
0930-0945	35	149	59	66	280	46	39	217	64	27	160	26
0945-1000	39	142	51	77	304	44	47	224	63	34	188	21

1 HOUR	1	2	3	4	5	6	7	8	9	10	11	12	
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT	TOTALS
0700-0800	114	563	152	297	990	154	115	1037	138	67	410	49	4086
0715-0815	126	650	215	328	1119	169	128	1060	147	81	542	57	4622
0730-0830	140	674	257	333	1207	208	129	1041	159	94	652	82	4976
0745-0845	143	699	295	326	1237	243	120	1031	158	94	705	88	5139
0800-0900	143	704	301	331	1246	245	120	1048	175	94	743	111	5261
0815-0915	145	681	282	324	1237	238	114	1008	176	93	701	119	5118
0830-0930	145	682	264	317	1224	218	110	980	180	101	677	115	5013
0845-0945	146	648	236	306	1191	195	125	946	211	108	675	121	4908
0900-1000	155	619	227	308	1149	191	144	910	219	117	672	104	4815

A.M. PEAK HOUR
0800-0900



DATA PROVIDED BY:

THE TRAFFIC SOLUTION
329 DIAMOND STREET
ARCADIA, CALIFORNIA 91005
PH: 626-446-7978
FAX: 626-446-2877
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PEDESTRIAN - BICYCLE COUNT SUMMARY

CLIENT: LLG - PASADENA

PROJECT: WEST L.A. DISTRICT YARD

DATE: THURSDAY, NOVEMBER 16, 2017

PERIOD: 07:00 AM TO 10:00 AM

INTERSECTION: BUNDY DRIVE / OLYMPIC BOULEVARD

FILE: 5AMPED-BIKE

	PEDESTRIAN MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0700-0715	6	31	6	13
0715-0730	3	19	4	5
0730-0745	4	45	14	6
0745-0800	9	21	5	8
0800-0815	9	36	14	15
0815-0830	10	66	8	19
0830-0845	17	44	18	14
0845-0900	10	14	11	39
0900-0915	25	34	11	18
0915-0930	10	34	21	16
0930-0945	10	25	28	15
0945-1000	6	41	20	16

	BICYCLIST MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0700-0715	0	5	0	0
0715-0730	0	3	1	0
0730-0745	1	3	0	1
0745-0800	2	4	0	2
0800-0815	1	6	1	4
0815-0830	2	9	0	1
0830-0845	1	3	0	2
0845-0900	1	3	1	4
0900-0915	1	3	1	1
0915-0930	0	4	0	0
0930-0945	4	8	1	1
0945-1000	1	10	3	5

	PEDESTRIAN MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0700-0800	22	116	29	32	199
0715-0815	25	121	37	34	217
0730-0830	32	168	41	48	289
0745-0845	45	167	45	56	313
0800-0900	46	160	51	87	344
0815-0915	62	158	48	90	358
0830-0930	62	126	61	87	336
0845-0945	55	107	71	88	321
0900-1000	51	134	80	65	330

	BICYCLIST MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0700-0800	3	15	1	3	22
0715-0815	4	16	2	7	29
0730-0830	6	22	1	8	37
0745-0845	6	22	1	9	38
0800-0900	5	21	2	11	39
0815-0915	5	18	2	8	33
0830-0930	3	13	2	7	25
0845-0945	6	18	3	6	33
0900-1000	6	25	5	7	43

THE TRAFFIC SOLUTION
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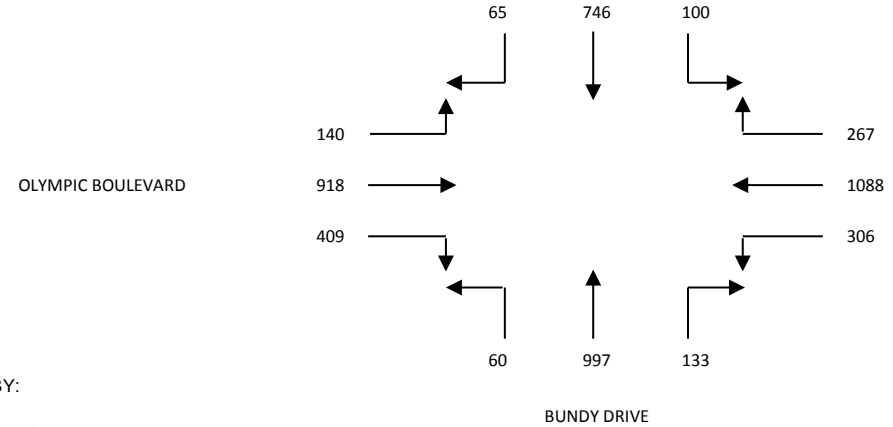
INTERSECTION TURNING MOVEMENT COUNT SUMMARY

CLIENT:		LLG - PASADENA
PROJECT:		WEST L.A. DISTRICT YARD
DATE:		THURSDAY, NOVEMBER 16, 2017
PERIOD:		03:00 PM TO 06:00 PM
INTERSECTION:	N/S	BUNDY DRIVE
	E/W	OLYMPIC BOULEVARD
FILE NUMBER:		5-PM

15 MINUTE	1	2	3	4	5	6	7	8	9	10	11	12
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT
0300-0315	22	235	47	52	236	58	76	215	16	73	208	24
0315-0330	28	228	40	75	228	64	54	222	17	82	229	28
0330-0345	22	225	35	79	215	65	50	230	19	84	224	30
0345-0400	26	227	29	72	240	51	31	240	17	88	233	37
0400-0415	18	201	34	69	264	63	45	269	10	91	251	38
0415-0430	17	207	20	55	255	75	32	257	12	86	225	37
0430-0445	19	182	29	59	274	72	30	254	12	95	217	32
0445-0500	10	164	26	66	257	79	40	266	18	101	241	34
0500-0515	14	187	23	60	290	78	33	236	17	103	225	34
0515-0530	22	213	22	82	267	77	30	241	13	110	235	40
0530-0545	16	176	18	76	243	76	31	238	8	105	190	36
0545-0600	11	170	13	86	220	71	23	240	11	103	184	45

1 HOUR	1	2	3	4	5	6	7	8	9	10	11	12	
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT	TOTALS
0300-0400	98	915	151	278	919	238	211	907	69	327	894	119	5126
0315-0415	94	881	138	295	947	243	180	961	63	345	937	133	5217
0330-0430	83	860	118	275	974	254	158	996	58	349	933	142	5200
0345-0445	80	817	112	255	1033	261	138	1020	51	360	926	144	5197
0400-0500	64	754	109	249	1050	289	147	1046	52	373	934	141	5208
0415-0515	60	740	98	240	1076	304	135	1013	59	385	908	137	5155
0430-0530	65	746	100	267	1088	306	133	997	60	409	918	140	5229
0445-0545	62	740	89	284	1057	310	134	981	56	419	891	144	5167
0500-0600	63	746	76	304	1020	302	117	955	49	421	834	155	5042

P.M. PEAK HOUR
0430-0530



DATA PROVIDED BY:

THE TRAFFIC SOLUTION
329 DIAMOND STREET
ARCADIA, CALIFORNIA 91005
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.

PEDESTRIAN - BICYCLE COUNT SUMMARY

CLIENT: LLG - PASADENA

PROJECT: WEST L.A. DISTRICT YARD

DATE: THURSDAY, NOVEMBER 16, 2017

PERIOD: 03:00 PM TO 06:00 PM

INTERSECTION: BUNDY DRIVE / OLYMPIC BOULEVARD

FILE: 5PMPED-BIKE

	PEDESTRIAN MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0300-0315	14	17	6	16
0315-0330	15	18	7	16
0330-0345	10	89	16	27
0345-0400	16	52	7	24
0400-0415	27	43	2	27
0415-0430	18	57	6	27
0430-0445	13	40	15	16
0445-0500	19	19	5	16
0500-0515	18	41	3	28
0515-0530	13	36	4	10
0530-0545	10	44	4	20
0545-0600	13	35	8	27

	BICYCLIST MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0300-0315	0	2	0	2
0315-0330	0	5	1	1
0330-0345	1	2	0	0
0345-0400	0	7	1	1
0400-0415	0	6	1	5
0415-0430	3	0	0	2
0430-0445	0	3	1	1
0445-0500	1	6	0	0
0500-0515	1	6	2	2
0515-0530	0	3	2	2
0530-0545	0	5	1	1
0545-0600	0	2	1	1

	PEDESTRIAN MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0300-0400	55	176	36	83	350
0315-0415	68	202	32	94	396
0330-0430	71	241	31	105	448
0345-0445	74	192	30	94	390
0400-0500	77	159	28	86	350
0415-0515	68	157	29	87	341
0430-0530	63	136	27	70	296
0445-0545	60	140	16	74	290
0500-0600	54	156	19	85	314

	BICYCLIST MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0300-0400	1	16	2	4	23
0315-0415	1	20	3	7	31
0330-0430	4	15	2	8	29
0345-0445	3	16	3	9	31
0400-0500	4	15	2	8	29
0415-0515	5	15	3	5	28
0430-0530	2	18	5	5	30
0445-0545	2	20	5	5	32
0500-0600	1	16	6	6	29

THE TRAFFIC SOLUTION
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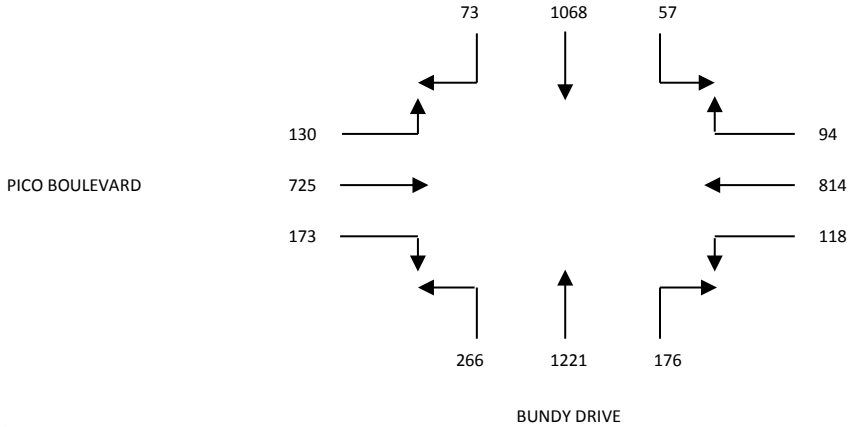
INTERSECTION TURNING MOVEMENT COUNT SUMMARY

CLIENT:		LLG - PASADENA
PROJECT:		WEST L.A. DISTRICT YARD
DATE:		THURSDAY, NOVEMBER 16, 2017
PERIOD:		07:00 AM TO 10:00 AM
INTERSECTION:	N/S	BUNDY DRIVE
	E/W	PICO BOULEVARD
FILE NUMBER:		6-AM

15 MINUTE	1	2	3	4	5	6	7	8	9	10	11	12
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT
0700-0715	15	168	3	17	128	16	35	324	28	12	69	24
0715-0730	22	155	8	13	185	24	33	308	44	15	73	27
0730-0745	22	177	15	15	217	20	44	314	65	20	118	29
0745-0800	23	238	13	21	185	26	47	322	75	33	127	39
0800-0815	22	252	15	26	238	39	49	325	67	30	175	31
0815-0830	17	289	13	21	200	32	46	312	62	39	199	40
0830-0845	16	277	19	20	197	21	46	298	53	57	179	35
0845-0900	18	250	10	27	179	26	35	286	84	47	172	24
0900-0915	21	206	13	27	196	24	40	305	78	38	192	22
0915-0930	22	221	10	22	170	21	36	270	71	48	185	39
0930-0945	17	217	18	19	174	24	39	296	67	38	173	43
0945-1000	18	210	16	14	160	20	37	275	70	49	187	47

1 HOUR	1	2	3	4	5	6	7	8	9	10	11	12	
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT	TOTALS
0700-0800	82	738	39	66	715	86	159	1268	212	80	387	119	3951
0715-0815	89	822	51	75	825	109	173	1269	251	98	493	126	4381
0730-0830	84	956	56	83	840	117	186	1273	269	122	619	139	4744
0745-0845	78	1056	60	88	820	118	188	1257	257	159	680	145	4906
0800-0900	73	1068	57	94	814	118	176	1221	266	173	725	130	4915
0815-0915	72	1022	55	95	772	103	167	1201	277	181	742	121	4808
0830-0930	77	954	52	96	742	92	157	1159	286	190	728	120	4653
0845-0945	78	894	51	95	719	95	150	1157	300	171	722	128	4560
0900-1000	78	854	57	82	700	89	152	1146	286	173	737	151	4505

A.M. PEAK HOUR
0800-0900



DATA PROVIDED BY:

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329 DIAMOND STREET
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.

PEDESTRIAN - BICYCLE COUNT SUMMARY

CLIENT: LLG - PASADENA

PROJECT: WEST L.A. DISTRICT YARD

DATE: THURSDAY, NOVEMBER 16, 2017

PERIOD: 07:00 AM TO 10:00 AM

INTERSECTION: BUNDY DRIVE / PICO BOULEVARD

FILE: 6AMPED-BIKE

	PEDESTRIAN MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0700-0715	12	4	0	5
0715-0730	10	0	4	6
0730-0745	22	6	1	4
0745-0800	11	5	4	2
0800-0815	11	5	5	7
0815-0830	8	3	3	4
0830-0845	4	5	3	6
0845-0900	19	2	4	8
0900-0915	13	4	3	6
0915-0930	9	3	2	7
0930-0945	8	0	3	13
0945-1000	5	1	2	10

	BICYCLIST MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0700-0715	0	0	0	0
0715-0730	1	0	0	1
0730-0745	1	0	1	1
0745-0800	0	1	0	1
0800-0815	0	1	0	0
0815-0830	1	2	0	2
0830-0845	2	2	1	1
0845-0900	2	2	1	1
0900-0915	1	2	0	0
0915-0930	3	2	1	0
0930-0945	2	0	1	2
0945-1000	1	1	0	1

	PEDESTRIAN MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0700-0800	55	15	9	17	96
0715-0815	54	16	14	19	103
0730-0830	52	19	13	17	101
0745-0845	34	18	15	19	86
0800-0900	42	15	15	25	97
0815-0915	44	14	13	24	95
0830-0930	45	14	12	27	98
0845-0945	49	9	12	34	104
0900-1000	35	8	10	36	89

	BICYCLIST MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0700-0800	2	1	1	3	7
0715-0815	2	2	1	3	8
0730-0830	2	4	1	4	11
0745-0845	3	6	1	4	14
0800-0900	5	7	2	4	18
0815-0915	6	8	2	4	20
0830-0930	8	8	3	2	21
0845-0945	8	6	3	3	20
0900-1000	7	5	2	3	17

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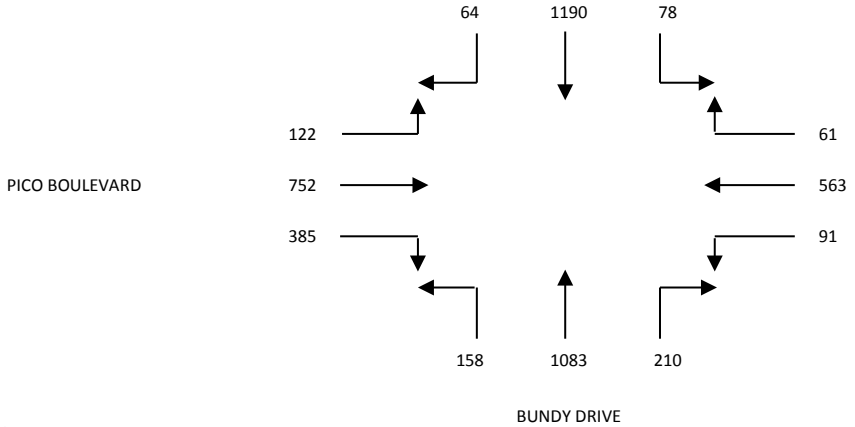
INTERSECTION TURNING MOVEMENT COUNT SUMMARY

CLIENT:		LLG - PASADENA
PROJECT:		WEST L.A. DISTRICT YARD
DATE:		THURSDAY, NOVEMBER 16, 2017
PERIOD:		03:00 PM TO 06:00 PM
INTERSECTION:	N/S	BUNDY DRIVE
	E/W	PICO BOULEVARD
FILE NUMBER:		6-PM

15 MINUTE	1	2	3	4	5	6	7	8	9	10	11	12
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT
0300-0315	19	280	16	19	146	40	51	237	35	50	156	30
0315-0330	22	307	21	15	181	34	58	242	45	52	198	35
0330-0345	19	300	16	17	147	35	70	292	51	72	180	30
0345-0400	13	277	26	15	117	21	51	289	38	67	171	27
0400-0415	13	298	21	15	144	24	52	290	58	66	179	38
0415-0430	14	306	19	16	149	20	44	267	40	71	196	36
0430-0445	16	294	23	19	128	16	40	262	38	80	200	27
0445-0500	19	283	22	17	128	22	55	287	35	97	194	27
0500-0515	11	302	14	15	144	28	55	280	44	91	187	30
0515-0530	18	304	19	13	143	20	51	266	36	98	190	39
0530-0545	16	301	23	16	148	21	49	250	43	99	181	26
0545-0600	10	308	15	14	151	20	30	228	38	111	156	28

1 HOUR	1	2	3	4	5	6	7	8	9	10	11	12	
TOTALS	SBRT	SBTH	SBLT	WBRT	WBTH	WBLT	NBRT	NBTH	NBLT	EBRT	EBTH	EBLT	TOTALS
0300-0400	73	1164	79	66	591	130	230	1060	169	241	705	122	4630
0315-0415	67	1182	84	62	589	114	231	1113	192	257	728	130	4749
0330-0430	59	1181	82	63	557	100	217	1138	187	276	726	131	4717
0345-0445	56	1175	89	65	538	81	187	1108	174	284	746	128	4631
0400-0500	62	1181	85	67	549	82	191	1106	171	314	769	128	4705
0415-0515	60	1185	78	67	549	86	194	1096	157	339	777	120	4708
0430-0530	64	1183	78	64	543	86	201	1095	153	366	771	123	4727
0445-0545	64	1190	78	61	563	91	210	1083	158	385	752	122	4757
0500-0600	55	1215	71	58	586	89	185	1024	161	399	714	123	4680

P.M. PEAK HOUR
0445-0545



DATA PROVIDED BY:

THE TRAFFIC SOLUTION
329 DIAMOND STREET
ARCADIA, CALIFORNIA 91005
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.

PEDESTRIAN - BICYCLE COUNT SUMMARY

CLIENT: LLG - PASADENA

PROJECT: WEST L.A. DISTRICT YARD

DATE: THURSDAY, NOVEMBER 16, 2017

PERIOD: 03:00 PM TO 06:00 PM

INTERSECTION: BUNDY DRIVE / PICO BOULEVARD

FILE: 6PMPED-BIKE

	PEDESTRIAN MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0300-0315	4	14	10	6
0315-0330	5	16	10	8
0330-0345	9	24	7	6
0345-0400	11	10	15	3
0400-0415	8	14	22	7
0415-0430	5	17	17	6
0430-0445	8	13	12	4
0445-0500	5	17	15	4
0500-0515	6	23	16	4
0515-0530	8	16	16	2
0530-0545	6	23	8	8
0545-0600	3	18	12	3

	BICYCLIST MOVEMENTS			
15-MINUTE PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D
0300-0315	0	3	1	2
0315-0330	1	0	0	0
0330-0345	2	1	1	0
0345-0400	3	1	0	2
0400-0415	1	1	1	2
0415-0430	2	1	1	2
0430-0445	1	0	1	4
0445-0500	2	0	4	0
0500-0515	2	0	1	1
0515-0530	0	2	2	0
0530-0545	1	1	2	1
0545-0600	1	2	0	1

	PEDESTRIAN MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0300-0400	29	64	42	23	158
0315-0415	33	64	54	24	175
0330-0430	33	65	61	22	181
0345-0445	32	54	66	20	172
0400-0500	26	61	66	21	174
0415-0515	24	70	60	18	172
0430-0530	27	69	59	14	169
0445-0545	25	79	55	18	177
0500-0600	23	80	52	17	172

	BICYCLIST MOVEMENTS				
1-HOUR PERIOD	NORTH LEG A	EAST LEG B	SOUTH LEG C	WEST LEG D	TOTALS
0300-0400	6	5	2	4	17
0315-0415	7	3	2	4	16
0330-0430	8	4	3	6	21
0345-0445	7	3	3	10	23
0400-0500	6	2	7	8	23
0415-0515	7	1	7	7	22
0430-0530	5	2	8	5	20
0445-0545	5	3	9	2	19
0500-0600	4	5	5	3	17

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APPENDIX C

EXISTING SITE TRIP GENERATION DATA

Appendix Table C
EMPIRICAL TRIP RATES [1]

Wednesday, October 4, 2017 [2]															
		DAILY TRIP ENDS	AM PEAK HOUR VOLUMES [6]			PM PEAK HOUR VOLUMES [6]			DAILY TRIP	AM PEAK HOUR TRIP RATES [7]			PM PEAK HOUR TRIP RATES [7]		
LAND USE	SIZE	VOLUMES [5]	IN	OUT	TOTAL	IN	OUT	TOTAL	RATE [7]	IN	OUT	TOTAL	IN	OUT	TOTAL
Existing WLA District Yard	120 Employees	535	25	18	43	20	44	64	4.458	0.208	0.150	0.358	0.167	0.367	0.534
Distribution Split		50% In/50% Out	58%	42%	100%	31%	69%	100%	50% In/50% Out	58%	42%	100%	31%	69%	100%

Thursday, October 5, 2017 [3]															
		DAILY TRIP ENDS	AM PEAK HOUR VOLUMES [6]			PM PEAK HOUR VOLUMES [6]			DAILY TRIP	AM PEAK HOUR TRIP RATES [7]			PM PEAK HOUR TRIP RATES [7]		
LAND USE	SIZE	VOLUMES [5]	IN	OUT	TOTAL	IN	OUT	TOTAL	RATE [7]	IN	OUT	TOTAL	IN	OUT	TOTAL
Existing WLA District Yard	120 Employees	565	10	39	49	18	46	64	4.708	0.083	0.325	0.408	0.150	0.383	0.533
Distribution Split		50% In/50% Out	20%	80%	100%	28%	72%	100%	50% In/50% Out	20%	80%	100%	28%	72%	100%

Two-Day Average [4]															
		DAILY TRIP ENDS	AM PEAK HOUR VOLUMES [6]			PM PEAK HOUR VOLUMES [6]			DAILY TRIP	AM PEAK HOUR TRIP RATES [7]			PM PEAK HOUR TRIP RATES [7]		
LAND USE	SIZE	VOLUMES [5]	IN	OUT	TOTAL	IN	OUT	TOTAL	RATE [7]	IN	OUT	TOTAL	IN	OUT	TOTAL
Existing WLA District Yard	120 Employees	550	17.5	28.5	46	19	45	64	4.583	0.146	0.238	0.384	0.158	0.375	0.533
Distribution Split		50% In/50% Out	38%	62%	100%	30%	70%	100%	50% In/50% Out	38%	62%	100%	30%	70%	100%

[1] Trips are one-way traffic movements, entering or leaving.
[2] Based on actual site observations on Wednesday, October 4, 2017, the AM peak hour occurred from 6:45 AM to 7:45 AM, and the PM peak hour occurred from 6:15 PM to 7:15 PM.
[3] Based on actual site observations on Thursday, October 5, 2017, the AM peak hour occurred from 7:15 AM to 8:15 AM, and the PM peak hour occurred from 3:15 PM to 4:15 PM.
[4] The two-day average was determined by averaging the individual peak hour trips identified on October 4, 2017 and October 5, 2017, for the AM and PM peak hours.
[5] Daily trip ends were estimated based on the assumption that the average peak hour trips (i.e., the average of the AM and PM peak hour trips) represent ten percent (10%) of the total daily trip ends.
[6] Actual site driveway counts and on-street parking observations were conducted during the morning (6:00 to 10:00 AM) and evening peak periods (3:00 to 7:30 PM) at the existing West Los Angeles District Yard in order to determine the site's actual operating peak hours and empirical peak hour trip rates. The volumes shown represent the peak hour generation (i.e., the peak sum of inbound outbound trips).
[7] Trip rates per employee.

DRIVEWAY COUNT SUMMARY - RESULTS

CLIENT: LLG - PASADENA
PROJECT: WEST L.A. DISTRICT YARD
DATE: WEDNESDAY, OCTOBER 04, 2017
PERIOD: 06:00 AM TO 10:00 AM

15-MIN	NEBRASKA AVENUE DRIVEWAY		CENTINELA AVENUE DRIVEWAY		OLYMPIC BOULEVARD DRIVEWAY		CENTINELA AVENUE / ON-STREET PARKING				TOTAL SITE				
	TOTAL		TOTAL		TOTAL		TO DWP		FROM DWP		VOLUMES			PERCENTAGES	
PERIOD:	ENTRANCE	EXIT	ENTRANCE	EXIT	ENTRANCE	EXIT	EAST SIDE	WEST SIDE	EAST SIDE	WEST SIDE	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND
0600-0615	2	0	0	0	4	0	0	0	0	0	6	0	6	100%	0%
0615-0630	4	0	0	0	2	1	0	0	0	0	6	1	7	86%	14%
0630-0645	3	1	0	0	0	0	0	0	0	0	3	1	4	75%	25%
0645-0700	6	1	4	0	0	3	0	0	0	0	10	4	14	71%	29%
0700-0715	7	2	4	0	1	0	0	0	0	0	12	2	14	86%	14%
0715-0730	1	2	2	0	0	4	0	0	0	0	3	6	9	33%	67%
0730-0745	0	0	0	0	0	6	0	0	0	0	0	6	6	0%	100%
0745-0800	0	2	1	0	0	8	0	0	0	0	1	10	11	9%	91%
0800-0815	0	1	0	0	0	6	0	0	0	0	0	7	7	0%	100%
0815-0830	0	0	0	2	0	6	0	0	0	0	0	8	8	0%	100%
0830-0845	0	0	1	1	0	4	1	0	0	0	2	5	7	29%	71%
0845-0900	0	0	0	0	0	4	0	0	0	0	0	4	4	0%	100%
0900-0915	1	0	0	0	0	4	0	0	0	0	1	4	5	20%	80%
0915-0930	0	0	0	0	0	1	0	0	0	0	0	1	1	0%	100%
0930-0945	0	0	0	0	0	5	0	0	0	0	0	5	5	0%	100%
0945-1000	0	0	0	0	0	1	0	0	0	0	0	1	1	0%	100%

1-HOUR	NEBRASKA AVENUE DRIVEWAY		CENTINELA AVENUE DRIVEWAY		OLYMPIC BOULEVARD DRIVEWAY		CENTINELA AVENUE / ON-STREET PARKING				TOTAL SITE				
	TOTAL		TOTAL		TOTAL		TO DWP		FROM DWP		VOLUMES			PERCENTAGES	
PERIOD	ENTRANCE	EXIT	ENTRANCE	EXIT	ENTRANCE	EXIT	EAST SIDE	WEST SIDE	EAST SIDE	WEST SIDE	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND
0600-0700	15	2	4	0	6	4	0	0	0	0	25	6	31	81%	19%
0615-0715	20	4	8	0	3	4	0	0	0	0	31	8	39	79%	21%
0630-0730	17	6	10	0	1	7	0	0	0	0	28	13	41	68%	32%
0645-0745	***14***	***5***	***10***	***0***	***1***	***13***	***0***	***0***	***0***	***0***	***25***	***18***	***43***	***58%***	***42%***
0700-0800	8	6	7	0	1	18	0	0	0	0	16	24	40	40%	60%
0715-0815	1	5	3	0	0	24	0	0	0	0	4	29	33	12%	88%
0730-0830	0	3	1	2	0	26	0	0	0	0	1	31	32	3%	97%
0745-0845	0	3	2	3	0	24	1	0	0	0	3	30	33	9%	91%
0800-0900	0	1	1	3	0	20	1	0	0	0	2	24	26	8%	92%
0815-0915	1	0	1	3	0	18	1	0	0	0	3	21	24	13%	88%
0830-0930	1	0	1	1	0	13	1	0	0	0	3	14	17	18%	82%
0845-0945	1	0	0	0	0	14	0	0	0	0	1	14	15	7%	93%
0900-1000	1	0	0	0	0	11	0	0	0	0	1	11	12	8%	92%

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DRIVEWAY COUNT SUMMARY - RESULTS

CLIENT: LLG - PASADENA
PROJECT: WEST L.A. DISTRICT YARD
DATE: WEDNESDAY, OCTOBER 04, 2017
PERIOD: 03:00 PM TO 07:30 PM

15-MIN	NEBRASKA AVENUE DRIVEWAY		CENTINELA AVENUE DRIVEWAY		OLYMPIC BOULEVARD DRIVEWAY		CENTINELA AVENUE / ON-STREET PARKING				TOTAL SITE				
	TOTAL		TOTAL		TOTAL		TO DWP		FROM DWP		VOLUMES			PERCENTAGES	
PERIOD:	ENTRANCE	EXIT	ENTRANCE	EXIT	ENTRANCE	EXIT	EAST SIDE	WEST SIDE	EAST SIDE	WEST SIDE	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND
0300-0315	1	1	0	1	2	2	0	0	0	0	3	4	7	43%	57%
0315-0330	1	0	0	0	4	5	0	0	0	0	5	5	10	50%	50%
0330-0345	2	1	0	1	2	10	0	0	0	0	4	12	16	25%	75%
0345-0400	0	2	0	0	0	12	0	0	0	0	0	14	14	0%	100%
0400-0415	0	0	0	0	0	15	0	0	0	0	0	15	15	0%	100%
0415-0430	0	0	0	0	0	6	0	0	0	0	0	6	6	0%	100%
0430-0445	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%
0445-0500	0	0	0	0	2	0	0	0	0	0	2	0	2	100%	0%
0500-0515	2	1	0	0	0	3	0	0	0	0	2	4	6	33%	67%
0515-0530	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%
0530-0545	1	0	0	0	1	0	0	0	0	0	2	0	2	100%	0%
0545-0600	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%
0600-0615	4	0	0	0	2	0	0	0	0	0	6	0	6	100%	0%
0615-0630	6	0	0	0	7	0	0	0	0	0	13	0	13	100%	0%
0630-0645	2	1	0	0	3	3	0	0	0	0	5	4	9	56%	44%
0645-0700	1	1	0	0	0	25	0	0	0	0	1	26	27	4%	96%
0700-0715	0	0	0	0	1	14	0	0	0	0	1	14	15	7%	93%
0715-0730	0	0	0	0	1	1	0	0	0	0	1	1	2	50%	50%

1-HOUR	NEBRASKA AVENUE DRIVEWAY		CENTINELA AVENUE DRIVEWAY		OLYMPIC BOULEVARD DRIVEWAY		CENTINELA AVENUE / ON-STREET PARKING				TOTAL SITE				
	TOTAL		TOTAL		TOTAL		TO DWP		FROM DWP		VOLUMES			PERCENTAGES	
PERIOD	ENTRANCE	EXIT	ENTRANCE	EXIT	ENTRANCE	EXIT	EAST SIDE	WEST SIDE	EAST SIDE	WEST SIDE	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND
0300-0400	4	4	0	2	8	29	0	0	0	0	12	35	47	26%	74%
0315-0415	3	3	0	1	6	42	0	0	0	0	9	46	55	16%	84%
0330-0430	2	3	0	1	2	43	0	0	0	0	4	47	51	8%	92%
0345-0445	0	2	0	0	0	33	0	0	0	0	0	35	35	0%	100%
0400-0500	0	0	0	0	2	21	0	0	0	0	2	21	23	9%	91%
0415-0515	2	1	0	0	2	9	0	0	0	0	4	10	14	29%	71%
0430-0530	2	1	0	0	2	3	0	0	0	0	4	4	8	50%	50%
0445-0545	3	1	0	0	3	3	0	0	0	0	6	4	10	60%	40%
0500-0600	3	1	0	0	1	3	0	0	0	0	4	4	8	50%	50%
0515-0615	5	0	0	0	3	0	0	0	0	0	8	0	8	100%	0%
0530-0630	11	0	0	0	10	0	0	0	0	0	21	0	21	100%	0%
0545-0645	12	1	0	0	12	3	0	0	0	0	24	4	28	86%	14%
0600-0700	13	2	0	0	12	28	0	0	0	0	25	30	55	45%	55%
0615-0715	***9***	***2***	***0***	***0***	***11***	***42***	***0***	***0***	***0***	***0***	***20***	***44***	***64***	***31%***	***69%***
0630-0730	3	2	0	0	5	43	0	0	0	0	8	45	53	15%	85%

NOTE: NO DWP ON-STREET PARKING OBSERVED

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DRIVEWAY COUNT SUMMARY - RESULTS

CLIENT: LLG - PASADENA
PROJECT: WEST L.A. DISTRICT YARD
DATE: THURSDAY, OCTOBER 05, 2017
PERIOD: 06:00 AM TO 10:00 AM

15-MIN	NEBRASKA AVENUE DRIVEWAY		CENTINELA AVENUE DRIVEWAY		OLYMPIC BOULEVARD DRIVEWAY		CENTINELA AVENUE / ON-STREET PARKING				TOTAL SITE				
	TOTAL		TOTAL		TOTAL		TO DWP		FROM DWP		VOLUMES			PERCENTAGES	
PERIOD:	ENTRANCE	EXIT	ENTRANCE	EXIT	ENTRANCE	EXIT	EAST SIDE	WEST SIDE	EAST SIDE	WEST SIDE	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND
0600-0615	2	0	0	0	5	0	0	0	0	0	7	0	7	100%	0%
0615-0630	2	0	0	0	3	1	0	0	0	0	5	1	6	83%	17%
0630-0645	1	0	0	0	2	0	0	0	0	0	3	0	3	100%	0%
0645-0700	0	0	1	0	0	0	0	0	0	0	1	0	1	100%	0%
0700-0715	0	1	0	0	1	2	0	0	0	0	1	3	4	25%	75%
0715-0730	0	1	1	1	0	7	0	0	0	0	1	9	10	10%	90%
0730-0745	0	0	1	0	2	16	0	0	0	0	3	16	19	16%	84%
0745-0800	1	1	0	0	0	8	0	0	0	0	1	9	10	10%	90%
0800-0815	4	2	1	0	0	3	0	0	0	0	5	5	10	50%	50%
0815-0830	0	0	0	0	0	8	0	0	0	0	0	8	8	0%	100%
0830-0845	1	1	0	0	0	2	0	0	0	0	1	3	4	25%	75%
0845-0900	0	2	0	0	0	3	0	0	0	0	0	5	5	0%	100%
0900-0915	0	1	0	0	0	1	0	0	0	0	0	2	2	0%	100%
0915-0930	1	1	0	0	2	1	0	0	0	0	3	2	5	60%	40%
0930-0945	1	0	0	0	1	2	0	0	0	0	2	2	4	50%	50%
0945-1000	0	0	0	0	1	2	0	0	0	0	1	2	3	33%	67%

1-HOUR	NEBRASKA AVENUE DRIVEWAY		CENTINELA AVENUE DRIVEWAY		OLYMPIC BOULEVARD DRIVEWAY		CENTINELA AVENUE / ON-STREET PARKING				TOTAL SITE				
	TOTAL		TOTAL		TOTAL		TO DWP		FROM DWP		VOLUMES			PERCENTAGES	
PERIOD	ENTRANCE	EXIT	ENTRANCE	EXIT	ENTRANCE	EXIT	EAST SIDE	WEST SIDE	EAST SIDE	WEST SIDE	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND
0600-0700	5	0	1	0	10	1	0	0	0	0	16	1	17	94%	6%
0615-0715	3	1	1	0	6	3	0	0	0	0	10	4	14	71%	29%
0630-0730	1	2	2	1	3	9	0	0	0	0	6	12	18	33%	67%
0645-0745	0	2	3	1	3	25	0	0	0	0	6	28	34	18%	82%
0700-0800	1	3	2	1	3	33	0	0	0	0	6	37	43	14%	86%
0715-0815	***5***	***4***	***3***	***1***	***2***	***34***	***0***	***0***	***0***	***0***	***10***	***39***	***49***	***20%***	***80%***
0730-0830	5	3	2	0	2	35	0	0	0	0	9	38	47	19%	81%
0745-0845	6	4	1	0	0	21	0	0	0	0	7	25	32	22%	78%
0800-0900	5	5	1	0	0	16	0	0	0	0	6	21	27	22%	78%
0815-0915	1	4	0	0	0	14	0	0	0	0	1	18	19	5%	95%
0830-0930	2	5	0	0	2	7	0	0	0	0	4	12	16	25%	75%
0845-0945	2	4	0	0	3	7	0	0	0	0	5	11	16	31%	69%
0900-1000	2	2	0	0	4	6	0	0	0	0	6	8	14	43%	57%

NOTE: NO DWP ON-STREET PARKING OBSERVED

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DRIVEWAY COUNT SUMMARY - RESULTS

CLIENT: LLG - PASADENA
PROJECT: WEST L.A. DISTRICT YARD
DATE: THURSDAY, OCTOBER 05, 2017
PERIOD: 03:00 PM TO 07:30 PM

15-MIN	NEBRASKA AVENUE DRIVEWAY		CENTINELA AVENUE DRIVEWAY		OLYMPIC BOULEVARD DRIVEWAY		CENTINELA AVENUE / ON-STREET PARKING				TOTAL SITE				
	TOTAL		TOTAL		TOTAL		TO DWP		FROM DWP		VOLUMES			PERCENTAGES	
PERIOD:	ENTRANCE	EXIT	ENTRANCE	EXIT	ENTRANCE	EXIT	EAST SIDE	WEST SIDE	EAST SIDE	WEST SIDE	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND
0300-0315	3	1	0	1	5	7	0	0	0	0	8	9	17	47%	53%
0315-0330	5	2	0	0	7	1	0	0	0	0	12	3	15	80%	20%
0330-0345	1	0	0	0	2	5	0	0	0	0	3	5	8	38%	63%
0345-0400	0	2	0	0	3	15	0	0	0	0	3	17	20	15%	85%
0400-0415	0	3	0	0	0	18	0	0	0	0	0	21	21	0%	100%
0415-0430	0	0	0	0	0	8	0	0	0	0	0	8	8	0%	100%
0430-0445	0	0	0	0	0	2	0	0	0	0	0	2	2	0%	100%
0445-0500	0	0	0	0	1	0	0	0	0	0	1	0	1	100%	0%
0500-0515	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%
0515-0530	0	1	0	0	0	0	0	0	0	0	0	1	1	0%	100%
0530-0545	1	1	0	0	0	0	0	0	0	0	1	1	2	50%	50%
0545-0600	3	0	0	0	1	0	0	0	0	0	4	0	4	100%	0%
0600-0615	1	0	0	0	4	1	0	0	0	0	5	1	6	83%	17%
0615-0630	3	1	0	0	8	0	0	0	0	0	11	1	12	92%	8%
0630-0645	3	0	0	0	3	0	0	0	0	0	6	0	6	100%	0%
0645-0700	0	0	0	0	1	18	0	0	0	0	1	18	19	5%	95%
0700-0715	0	0	0	0	0	18	0	0	0	0	0	18	18	0%	100%
0715-0730	0	0	0	0	1	10	0	0	0	0	1	10	11	9%	91%

1-HOUR	NEBRASKA AVENUE DRIVEWAY		CENTINELA AVENUE DRIVEWAY		OLYMPIC BOULEVARD DRIVEWAY		CENTINELA AVENUE / ON-STREET PARKING				TOTAL SITE				
	TOTAL		TOTAL		TOTAL		TO DWP		FROM DWP		VOLUMES			PERCENTAGES	
PERIOD	ENTRANCE	EXIT	ENTRANCE	EXIT	ENTRANCE	EXIT	EAST SIDE	WEST SIDE	EAST SIDE	WEST SIDE	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND
0300-0400	9	5	0	1	17	28	0	0	0	0	26	34	60	43%	57%
0315-0415	***6***	***7***	***0***	***0***	***12***	***39***	***0***	***0***	***0***	***0***	***18***	***46***	***64***	***28%***	***72%***
0330-0430	1	5	0	0	5	46	0	0	0	0	6	51	57	11%	89%
0345-0445	0	5	0	0	3	43	0	0	0	0	3	48	51	6%	94%
0400-0500	0	3	0	0	1	28	0	0	0	0	1	31	32	3%	97%
0415-0515	0	0	0	0	1	10	0	0	0	0	1	10	11	9%	91%
0430-0530	0	1	0	0	1	2	0	0	0	0	1	3	4	25%	75%
0445-0545	1	2	0	0	1	0	0	0	0	0	2	2	4	50%	50%
0500-0600	4	2	0	0	1	0	0	0	0	0	5	2	7	71%	29%
0515-0615	5	2	0	0	5	1	0	0	0	0	10	3	13	77%	23%
0530-0630	8	2	0	0	13	1	0	0	0	0	21	3	24	88%	13%
0545-0645	10	1	0	0	16	1	0	0	0	0	26	2	28	93%	7%
0600-0700	7	1	0	0	16	19	0	0	0	0	23	20	43	53%	47%
0615-0715	6	1	0	0	12	36	0	0	0	0	18	37	55	33%	67%
0630-0730	3	0	0	0	5	46	0	0	0	0	8	46	54	15%	85%

NOTE: NO DWP ON-STREET PARKING OBSERVED

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APPENDIX D

CMA AND LEVELS OF SERVICE EXPLANATION
CMA DATA WORKSHEETS – WEEKDAY AM AND PM PEAK HOURS

CRITICAL MOVEMENT ANALYSIS (CMA) DESCRIPTION

Level of Service is a term used to describe prevailing conditions and their effect on traffic. Broadly interpreted, the Level of Service concept denotes any one of a number of differing combinations of operating conditions which may take place as a roadway is accommodating various traffic volumes. Level of Service is a qualitative measure of the effect of such factors as travel speed, travel time, interruptions, freedom to maneuver, safety, driving comfort and convenience.

Six Levels of Service, A through F, have been defined in the 1965 *Highway Capacity Manual*. Level of Service A describes a condition of free flow, with low traffic volumes and relatively high speeds, while Level of Service F describes forced traffic flow at low speeds with jammed conditions and queues which cannot clear during the green phases.

Critical Movement Analysis (CMA) is a procedure which provides a capacity and level of service geometry and traffic signal operation and results in a level of service determination for the intersection as a whole operating unit.

The per lane volume for each movement in the intersection is determined and the per lane intersection capacity based on the Transportation Research Board (TRB) Report 212 (*Interim Materials on Highway Capacity*). The resulting CMA represents the ratio of the intersection's cumulative volume over its respective capacity (V/C ratio). Critical Movement Analysis takes into account lane widths, bus and truck operations, pedestrian activity and parking activity, as well as number of lanes and geometrics.

The Level of Service (abbreviated from the *Highway Capacity Manual*) are listed here with their corresponding CMA and Load Factor equivalents. Load Factor is that proportion of the signal cycles during the peak hour which are fully loaded; i.e. when all of the vehicles waiting at the beginning of green are not able to clear on that green phase.

Critical Movement Analysis Characteristics

Level of Service	Load Factor	Equivalent CMA
A (free flow)	0.0	0.00 - 0.60
B (rural design)	0.0 - 0.1	0.61 - 0.70
C (urban design)	0.1 - 0.3	0.71 - 0.80
D (maximum urban design)	0.3 - 0.7	0.81 - 0.90
E (capacity)	0.7 - 1.0	0.91 - 1.00
F (force flow)	Not Applicable	Not Applicable

SERVICE LEVEL A
There are no loaded cycles and few are even close to loaded at this service level. No approach phase is fully utilized by traffic and no vehicle waits longer than one red indication.

SERVICE LEVEL B
This level represents stable operation where an occasional approach phase is fully utilized and a substantial number are approaching full use. Many drivers begin to feel restricted within platoons of vehicles.

SERVICE LEVEL C
At this level stable operation continues. Loading is still intermittent but more frequent than at Level B. Occasionally drivers may have to wait through more one red signal indication and backups may develop behind turning vehicles. Most drivers feel somewhat restricted, but not objectionably so.

SERVICE LEVEL D
This level encompasses a zone of increasing restriction approaching instability at the intersection. Delays to approaching vehicles may be substantial during short peaks within the peak hour, but enough cycles with lower demand occur to permit periodic clearance of queues, thus preventing excessive backups. Drivers frequently have to wait through more than one red signal. This level is the lower limit of acceptable operation to most drivers.

SERVICE LEVEL E
This represents near capacity and capacity operation. At capacity (CMA = 1.0) it represents the most vehicles that the particular intersection can accommodate. However, full utilization of every signal cycle is seldom attained no matter how great the demand. At this level all drivers wait through more than one red signal, and frequently through several.

SERVICE LEVEL F
Jammed conditions. Traffic backed up from a downstream location on one of the street restricts or prevents movement of traffic through the intersection under consideration.

Level of Service Worksheet
(Circular 212 Method)

I/S #:	North-South Street:	Centinela Avenue	Year of Count:	2017	Ambient Growth (%):	1.0	Conducted by:	LLG Engineers	Date:	2/8/2018
1	East-West Street:	Nebraska Avenue	Projection Year:	2028	Peak Hour:	AM	Reviewed by:		Project:	LADWP West LA District Yard De

No. of Phases				2				2				2				2				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0				0				0				0				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0
	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB--	0
ATSAC-1 or ATSAC+ATCS-2?				2				2				2				2				2			2
Override Capacity				0				0				0				0				0			0

MOVEMENT		EXISTING CONDITION			EXISTING PLUS PROJECT			FUTURE CONDITION W/O PROJECT				FUTURE CONDITION W/ PROJECT				FUTURE W/ PROJECT W/ MITIGATION			
		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	252	1	252	0	252	252	35	316	1	316	0	316	1	316	0	316	1	316
	Left-Through		0							0				0				0	
	Through	774	0	**848**	2	776	**850**	60	924	0	**1007**	2	926	0	**1009**	0	926	0	**1009**
	Through-Right		1							1				1				1	
	Right	74	0	0	0	74	0	0	83	0	0	0	83	0	0	0	83	0	0
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
SOUTHBOUND	Left	30	1	**30**	1	31	**31**	0	33	1	**33**	1	34	1	**34**	0	34	1	**34**
	Left-Through		0							0				0				0	
	Through	474	0	515	1	475	516	78	607	0	665	1	608	0	666	0	608	0	666
	Through-Right		1							1				1				1	
	Right	41	0	0	0	41	0	12	58	0	0	0	58	0	0	0	58	0	0
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
EASTBOUND	Left	30	0	30	0	30	30	9	42	0	42	0	42	0	42	0	42	0	42
	Left-Through		0							0				0				0	
	Through	36	0	**155**	1	37	**156**	9	49	0	**216**	1	50	0	**217**	0	50	0	**217**
	Through-Right		0							0				0				0	
	Right	89	0	0	0	89	0	26	125	0	0	0	125	0	0	0	125	0	0
	Left-Through-Right		1							1				1				1	
	Left-Right		0							0				0				0	
WESTBOUND	Left	15	0	**15**	0	15	**15**	0	17	0	**17**	0	17	0	**17**	0	17	0	**17**
	Left-Through		0							0				0				0	
	Through	46	0	82	0	46	83	12	63	0	103	0	63	0	104	0	63	0	104
	Through-Right		0							0				0				0	
	Right	21	0	0	1	22	0	0	23	0	0	1	24	0	0	0	24	0	0
	Left-Through-Right		1							1				1				1	
	Left-Right		0							0				0				0	
CRITICAL VOLUMES		*North-South:*		878	*North-South:*		881	*North-South:*			1040	*North-South:*			1043	*North-South:*			1043
		East-West:		170	*East-West:*		171	*East-West:*			233	*East-West:*			234	*East-West:*			234
		SUM:		1048	*SUM:*		1052	*SUM:*			1273	*SUM:*			1277	*SUM:*			1277
VOLUME/CAPACITY *(V/C)* RATIO:				0.699			0.701				0.849				0.851				0.851
V/C LESS ATSAC/ATCS ADJUSTMENT:				**0.599**			**0.601**				**0.749**				**0.751**				**0.751**
LEVEL OF SERVICE (LOS):				**A**			**B**				**C**				**C**				**C**

REMARKS:

Version: 1i Beta; 8/4/2011

PROJECT IMPACT

Change in *v/c* due to project:	0.002	Δ*v/c* after mitigation:	0.002
Significant impacted?	NO	Fully mitigated?	N/A

Level of Service Worksheet
(Circular 212 Method)

I/S #:	North-South Street:	Centinela Avenue	Year of Count:	2017	Ambient Growth (%):	1.0	Conducted by:	LLG Engineers	Date:	2/8/2018
1	East-West Street:	Nebraska Avenue	Projection Year:	2028	Peak Hour:	PM	Reviewed by:		Project:	LADWP West LA District Yard De

No. of Phases				2				2				2				2				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0				0				0				0				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB-- 0
	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB-- 0
ATSAC-1 or ATSAC+ATCS-2?				2				2				2				2				2			2
Override Capacity				0				0				0				0				0			0

MOVEMENT		EXISTING CONDITION			EXISTING PLUS PROJECT			FUTURE CONDITION W/O PROJECT				FUTURE CONDITION W/ PROJECT				FUTURE W/ PROJECT W/ MITIGATION			
		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	47	1	47	0	47	47	29	81	1	**81**	0	81	1	**81**	0	81	1	**81**
	Left-Through		0							0				0				0	
	Through	643	0	**688**	3	646	**691**	89	806	0	856	3	809	0	859	0	809	0	859
	Through-Right		1							1				1				1	
	Right	45	0	0	0	45	0	0	50	0	0	0	50	0	0	0	50	0	0
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
SOUTHBOUND	Left	24	1	**24**	1	25	**25**	0	27	1	27	1	28	1	28	0	28	1	28
	Left-Through		0							0				0				0	
	Through	629	0	644	1	630	645	81	783	0	**810**	1	784	0	**811**	0	784	0	**811**
	Through-Right		1							1				1				1	
	Right	15	0	0	0	15	0	10	27	0	0	0	27	0	0	0	27	0	0
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
EASTBOUND	Left	61	0	61	0	61	61	13	81	0	81	0	81	0	81	0	81	0	81
	Left-Through		0							0				0				0	
	Through	138	0	**452**	1	139	**453**	13	167	0	**570**	1	168	0	**571**	0	168	0	**571**
	Through-Right		0							0				0				0	
	Right	253	0	0	0	253	0	40	322	0	0	0	322	0	0	0	322	0	0
	Left-Through-Right		1							1				1				1	
	Left-Right		0							0				0				0	
WESTBOUND	Left	76	0	**76**	0	76	**76**	0	85	0	**85**	0	85	0	**85**	0	85	0	**85**
	Left-Through		0							0				0				0	
	Through	36	0	138	0	36	140	10	50	0	164	0	50	0	166	0	50	0	166
	Through-Right		0							0				0				0	
	Right	26	0	0	2	28	0	0	29	0	0	2	31	0	0	0	31	0	0
	Left-Through-Right		1							1				1				1	
	Left-Right		0							0				0				0	
CRITICAL VOLUMES		*North-South:*		712	*North-South:*		716	*North-South:*			891	*North-South:*			892	*North-South:*			892
		East-West:		528	*East-West:*		529	*East-West:*			655	*East-West:*			656	*East-West:*			656
		SUM:		1240	*SUM:*		1245	*SUM:*			1546	*SUM:*			1548	*SUM:*			1548
VOLUME/CAPACITY (V/C) RATIO:				0.827			0.830				1.031				1.032				1.032
V/C LESS ATSAC/ATCS ADJUSTMENT:				**0.727**			**0.730**				**0.931**				**0.932**				**0.932**
LEVEL OF SERVICE (LOS):				**C**			**C**				**E**				**E**				**E**

REMARKS:

Version: 1i Beta; 8/4/2011

PROJECT IMPACT

Change in *v/c* due to project:	0.001	Δ*v/c* after mitigation:	0.001
Significant impacted?	NO	Fully mitigated?	N/A

Level of Service Worksheet
(Circular 212 Method)

I/S #:	North-South Street:	Centinela Avenue (West)	Year of Count:	2017	Ambient Growth (%):	1.0	Conducted by:	LLG Engineers	Date:	2/8/2018
2	East-West Street:	Olympic Boulevard	Projection Year:	2028	Peak Hour:	AM	Reviewed by:		Project:	LADWP West LA District Yard De

No. of Phases				2				2				2				2				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0				0				0				0				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB-- 0
	EB--	0	WB--	3	EB--	0	WB--	3	EB--	0	WB--	3	EB--	0	WB--	3	EB--	0	WB--	3	EB--	0	WB-- 3
ATSAC-1 or ATSAC+ATCS-2?				2				2				2				2				2			2
Override Capacity				0				0				0				0				0			0

MOVEMENT		EXISTING CONDITION			EXISTING PLUS PROJECT			FUTURE CONDITION W/O PROJECT				FUTURE CONDITION W/ PROJECT				FUTURE W/ PROJECT W/ MITIGATION			
		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Left-Through		0							0				0				0	
	Through	0	0	**0**	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**
	Through-Right		0							0				0				0	
	Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Left-Through-Right		1							1				1				1	
	Left-Right		0							0				0				0	
SOUTHBOUND	Left	527	2	**290**	0	527	**290**	67	655	2	**360**	0	655	2	**360**	0	655	2	**360**
	Left-Through		0							0				0				0	
	Through	2	0	0	0	2	0	0	2	0	0	0	2	0	0	0	2	0	0
	Through-Right		0							0				0				0	
	Right	46	1	23	0	46	22	37	88	1	45	0	88	1	45	0	88	1	45
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
EASTBOUND	Left	47	1	**47**	1	48	**48**	34	86	1	**86**	1	87	1	**87**	0	87	1	**87**
	Left-Through		0							0				0				0	
	Through	686	1	349	1	687	349	377	1142	1	577	1	1143	1	578	0	1143	1	578
	Through-Right		1							1				1				1	
	Right	11	0	11	0	11	11	0	12	0	12	0	12	0	12	0	12	0	12
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
WESTBOUND	Left	7	1	7	0	7	7	0	8	1	8	0	8	1	8	0	8	1	8
	Left-Through		0							0				0				0	
	Through	1080	2	540	4	1084	542	419	1624	2	812	4	1628	2	814	0	1628	2	814
	Through-Right		0							0				0				0	
	Right	1062	1	**772**	2	1064	**774**	61	1246	1	**886**	2	1248	1	**888**	0	1248	1	**888**
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
CRITICAL VOLUMES		*North-South:*		290	*North-South:*		290	*North-South:*			360	*North-South:*			360	*North-South:*			360
		East-West:		819	*East-West:*		822	*East-West:*			972	*East-West:*			975	*East-West:*			975
		SUM:		1109	*SUM:*		1112	*SUM:*			1332	*SUM:*			1335	*SUM:*			1335
VOLUME/CAPACITY *(V/C)* RATIO:				0.739			0.741				0.888				0.890				0.890
V/C LESS ATSAC/ATCS ADJUSTMENT:				**0.639**			**0.641**				**0.788**				**0.790**				**0.790**
LEVEL OF SERVICE (LOS):				**B**			**B**				**C**				**C**				**C**

REMARKS:

Version: 1i Beta; 8/4/2011

PROJECT IMPACT

Change in *v/c* due to project:	0.002	Δ*v/c* after mitigation:	0.002
Significant impacted?	NO	Fully mitigated?	N/A

Level of Service Worksheet
(Circular 212 Method)

I/S #:	North-South Street:	Centinela Avenue (West)	Year of Count:	2017	Ambient Growth (%):	1.0	Conducted by:	LLG Engineers	Date:	2/8/2018
2	East-West Street:	Olympic Boulevard	Projection Year:	2028	Peak Hour:	PM	Reviewed by:		Project:	LADWP West LA District Yard De

No. of Phases				2				2				2				2				2		2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0				0				0				0				0		0
Right Turns: FREE-1, NRTOR-2 or OLA-3?	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0
	EB--	0	WB--	3	EB--	0	WB--	3	EB--	0	WB--	3	EB--	0	WB--	3	EB--	0	WB--	3	EB--	0
ATSAC-1 or ATSAC+ATCS-2?				2				2				2				2				2		2
Override Capacity				0				0				0				0				0		0

MOVEMENT		EXISTING CONDITION			EXISTING PLUS PROJECT			FUTURE CONDITION W/O PROJECT				FUTURE CONDITION W/ PROJECT				FUTURE W/ PROJECT W/ MITIGATION			
		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Left-Through		0							0				0				0	
	Through	0	0	**0**	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**
	Through-Right		0							0				0				0	
	Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Left-Through-Right		1							1				1				1	
	Left-Right		0							0				0				0	
SOUTHBOUND	Left	914	2	**503**	0	914	**503**	75	1095	2	**602**	0	1095	2	**602**	0	1095	2	**602**
	Left-Through		0							0				0				0	
	Through	1	0	0	0	1	0	0	1	0	0	0	1	0	0	0	1	0	0
	Through-Right		0							0				0				0	
	Right	80	1	56	0	80	55	46	135	1	86	0	135	1	86	0	135	1	86
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
EASTBOUND	Left	49	1	49	1	50	50	43	98	1	98	1	99	1	99	0	99	1	99
	Left-Through		0							0				0				0	
	Through	1095	1	**549**	1	1096	**549**	482	1704	1	**853**	1	1705	1	**854**	0	1705	1	**854**
	Through-Right		1							1				1				1	
	Right	2	0	2	0	2	2	0	2	0	2	0	2	0	2	0	2	0	2
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
WESTBOUND	Left	2	1	**2**	0	2	**2**	0	2	1	**2**	0	2	1	**2**	0	2	1	**2**
	Left-Through		0							0				0				0	
	Through	846	2	423	6	852	426	506	1450	2	725	6	1456	2	728	0	1456	2	728
	Through-Right		0							0				0				0	
	Right	662	1	159	3	665	162	75	814	1	212	3	817	1	215	0	817	1	215
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
CRITICAL VOLUMES		*North-South:*		503	*North-South:*		503	*North-South:*			602	*North-South:*			602	*North-South:*			602
		East-West:		551	*East-West:*		551	*East-West:*			855	*East-West:*			856	*East-West:*			856
		SUM:		1054	*SUM:*		1054	*SUM:*			1457	*SUM:*			1458	*SUM:*			1458
VOLUME/CAPACITY (V/C) RATIO:				0.703			0.703				0.971				0.972				0.972
V/C LESS ATSAC/ATCS ADJUSTMENT:				**0.603**			**0.603**				**0.871**				**0.872**				**0.872**
LEVEL OF SERVICE (LOS):				**B**			**B**				**D**				**D**				**D**

REMARKS:

Version: 1i Beta; 8/4/2011

PROJECT IMPACT

Change in *v/c* due to project:	0.001	Δ*v/c* after mitigation:	0.001
Significant impacted?	NO	Fully mitigated?	N/A

Level of Service Worksheet
(Circular 212 Method)

I/S #:	North-South Street:	Centinela Avenue (East)	Year of Count:	2017	Ambient Growth (%):	1.0	Conducted by:	LLG Engineers	Date:	2/8/2018
3	East-West Street:	Olympic Boulevard	Projection Year:	2028	Peak Hour:	AM	Reviewed by:		Project:	LADWP West LA District Yard De

No. of Phases				3				3				3				3				3			3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				1				1				1				1				1			1
Right Turns: FREE-1, NRTOR-2 or OLA-3?	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB-- 0
	EB--	3	WB--	0	EB--	3	WB--	0	EB--	3	WB--	0	EB--	3	WB--	0	EB--	3	WB--	0	EB--	3	WB-- 0
ATSAC-1 or ATSAC+ATCS-2?				2				2				2				2				2			2
Override Capacity				0				0				0				0				0			0

MOVEMENT		EXISTING CONDITION			EXISTING PLUS PROJECT			FUTURE CONDITION W/O PROJECT				FUTURE CONDITION W/ PROJECT				FUTURE W/ PROJECT W/ MITIGATION			
		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	789	1	**444**	0	789	**445**	162	1042	1	**593**	0	1042	1	**594**	0	1042	1	**594**
	Left-Through		0							0				0				0	
	Through	3	0	444	2	5	445	0	3	0	593	2	5	0	594	0	5	0	594
	Through-Right		0							0				0				0	
	Right	96	0	0	0	96	0	34	141	0	0	0	141	0	0	0	141	0	0
	Left-Through-Right		1							1				1				1	
	Left-Right		0							0				0				0	
SOUTHBOUND	Left	11	0	11	2	13	13	0	12	0	12	2	14	0	14	0	14	0	14
	Left-Through		0							0				0				0	
	Through	3	0	**17**	8	11	**33**	0	3	0	**18**	8	11	0	**34**	0	11	0	**34**
	Through-Right		0							0				0				0	
	Right	3	0	0	6	9	0	0	3	0	0	6	9	0	0	0	9	0	0
	Left-Through-Right		1							1				1				1	
	Left-Right		0							0				0				0	
EASTBOUND	Left	5	1	5	1	6	6	0	6	1	6	1	7	1	7	0	7	1	7
	Left-Through		0							0				0				0	
	Through	824	3	**275**	0	824	**275**	279	1198	3	**399**	0	1198	3	**399**	0	1198	3	**399**
	Through-Right		0							0				0				0	
	Right	381	1	0	0	381	0	165	590	1	0	0	590	1	0	0	590	1	0
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
WESTBOUND	Left	218	1	**218**	0	218	**218**	32	275	1	**275**	0	275	1	**275**	0	275	1	**275**
	Left-Through		0							0				0				0	
	Through	1370	2	459	0	1370	459	317	1845	2	618	0	1845	2	618	0	1845	2	618
	Through-Right		1							1				1				1	
	Right	7	0	7	1	8	8	0	8	0	8	1	9	0	9	0	9	0	9
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
CRITICAL VOLUMES		*North-South:*		461	*North-South:*		478	*North-South:*			611	*North-South:*			628	*North-South:*			628
		East-West:		493	*East-West:*		493	*East-West:*			674	*East-West:*			674	*East-West:*			674
		SUM:		954	*SUM:*		971	*SUM:*			1285	*SUM:*			1302	*SUM:*			1302
VOLUME/CAPACITY *(V/C)* RATIO:				0.669			0.681				0.902				0.914				0.914
V/C LESS ATSAC/ATCS ADJUSTMENT:				**0.569**			**0.581**				**0.802**				**0.814**				**0.814**
LEVEL OF SERVICE (LOS):				**A**			**A**				**D**				**D**				**D**

REMARKS:

Version: 1i Beta; 8/4/2011

PROJECT IMPACT

Change in *v/c* due to project:	0.012	Δ*v/c* after mitigation:	0.012
Significant impacted?	NO	Fully mitigated?	N/A

Level of Service Worksheet
(Circular 212 Method)

I/S #:	North-South Street:	Centinela Avenue (East)	Year of Count:	2017	Ambient Growth (%):	1.0	Conducted by:	LLG Engineers	Date:	2/8/2018
3	East-West Street:	Olympic Boulevard	Projection Year:	2028	Peak Hour:	PM	Reviewed by:		Project:	LADWP West LA District Yard De

No. of Phases				3				3				3				3				3			3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				1				1				1				1				1			1
Right Turns: FREE-1, NRTOR-2 or OLA-3?	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB-- 0
	EB--	3	WB--	0	EB--	3	WB--	0	EB--	3	WB--	0	EB--	3	WB--	0	EB--	3	WB--	0	EB--	3	WB-- 0
ATSAC-1 or ATSAC+ATCS-2?				2				2				2				2				2			2
Override Capacity				0				0				0				0				0			0

MOVEMENT		EXISTING CONDITION			EXISTING PLUS PROJECT			FUTURE CONDITION W/O PROJECT				FUTURE CONDITION W/ PROJECT				FUTURE W/ PROJECT W/ MITIGATION			
		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	451	1	**264**	0	451	**265**	216	719	1	**420**	0	719	1	**422**	0	719	1	**422**
	Left-Through		0							0				0				0	
	Through	0	0	264	3	3	265	0	0	0	420	3	3	0	422	0	3	0	422
	Through-Right		0							0				0				0	
	Right	76	0	0	0	76	0	36	121	0	0	0	121	0	0	0	121	0	0
	Left-Through-Right		1							1				1				1	
	Left-Right		0							0				0				0	
SOUTHBOUND	Left	3	0	3	3	6	6	0	3	0	3	3	6	0	6	0	6	0	6
	Left-Through		0							0				0				0	
	Through	26	0	**34**	12	38	**58**	0	29	0	**38**	12	41	0	**62**	0	41	0	**62**
	Through-Right		0							0				0				0	
	Right	5	0	0	9	14	0	0	6	0	0	9	15	0	0	0	15	0	0
	Left-Through-Right		1							1				1				1	
	Left-Right		0							0				0				0	
EASTBOUND	Left	24	1	24	1	25	25	0	27	1	27	1	28	1	28	0	28	1	28
	Left-Through		0							0				0				0	
	Through	1272	3	424	0	1272	424	365	1784	3	595	0	1784	3	595	0	1784	3	595
	Through-Right		0							0				0				0	
	Right	804	1	**540**	0	804	**539**	191	1088	1	**668**	0	1088	1	**666**	0	1088	1	**666**
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
WESTBOUND	Left	102	1	**102**	0	102	**102**	34	148	1	**148**	0	148	1	**148**	0	148	1	**148**
	Left-Through		0							0				0				0	
	Through	996	2	335	0	996	335	365	1476	2	495	0	1476	2	496	0	1476	2	496
	Through-Right		1							1				1				1	
	Right	9	0	9	1	10	10	0	10	0	10	1	11	0	11	0	11	0	11
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
CRITICAL VOLUMES		*North-South:*		298	*North-South:*		323	*North-South:*			458	*North-South:*			484	*North-South:*			484
		East-West:		642	*East-West:*		641	*East-West:*			816	*East-West:*			814	*East-West:*			814
		SUM:		940	*SUM:*		964	*SUM:*			1274	*SUM:*			1298	*SUM:*			1298
VOLUME/CAPACITY (V/C) RATIO:				0.660			0.676				0.894				0.911				0.911
V/C LESS ATSAC/ATCS ADJUSTMENT:				**0.560**			**0.576**				**0.794**				**0.811**				**0.811**
LEVEL OF SERVICE (LOS):				**A**			**A**				**C**				**D**				**D**

REMARKS:

Version: 1i Beta; 8/4/2011

PROJECT IMPACT

Change in *v/c* due to project:	0.017	Δ*v/c* after mitigation:	0.017
Significant impacted?	NO	Fully mitigated?	N/A

Level of Service Worksheet
(Circular 212 Method)

I/S #:	North-South Street:	Bundy Drive	Year of Count:	2017	Ambient Growth (%):	1.0	Conducted by:	LLG Engineers	Date:	2/8/2018
4	East-West Street:	Nebraska Avenue	Projection Year:	2028	Peak Hour:	AM	Reviewed by:		Project:	LADWP West LA District Yard De

No. of Phases				0				0				0				0				0			0
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0				0				0				0				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0
	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB--	0
ATSAC-1 or ATSAC+ATCS-2?				0				0				0				0				0				0
Override Capacity				1200				1200				1200				1200				1200				1200

MOVEMENT		EXISTING CONDITION			EXISTING PLUS PROJECT			FUTURE CONDITION W/O PROJECT				FUTURE CONDITION W/ PROJECT				FUTURE W/ PROJECT W/ MITIGATION			
		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	116	1	**116**	3	119	**119**	0	129	1	**129**	3	132	1	**132**	0	132	1	**132**
	Left-Through		0							0				0				0	
	Through	1128	2	564	0	1128	564	108	1366	2	683	0	1366	2	683	0	1366	2	683
	Through-Right		0							0				0				0	
	Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
SOUTHBOUND	Left	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0
	Left-Through		0							0				0				0	
	Through	1309	1	**672**	0	1309	**672**	157	1617	1	**834**	0	1617	1	**834**	0	1617	1	**834**
	Through-Right		1							1				1				1	
	Right	34	0	34	1	35	35	12	50	0	50	1	51	0	51	0	51	0	51
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
EASTBOUND	Left	6	0	6	2	8	8	9	16	0	16	2	18	0	18	0	18	0	18
	Left-Through		0							0				0				0	
	Through	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Through-Right		0							0				0				0	
	Right	87	0	**93**	1	88	**96**	0	97	0	**113**	1	98	0	**116**	0	98	0	**116**
	Left-Through-Right		0							0				0				0	
	Left-Right		1							1				1				1	
WESTBOUND	Left	0	0	**0**	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**
	Left-Through		0							0				0				0	
	Through	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Through-Right		0							0				0				0	
	Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
CRITICAL VOLUMES		North-South:		788	North-South:		791	North-South:			963	North-South:			966	North-South:			966
		East-West:		93	East-West:		96	East-West:			113	East-West:			116	East-West:			116
		SUM:		881	SUM:		887	SUM:			1076	SUM:			1082	SUM:			1082
VOLUME/CAPACITY (V/C) RATIO:				0.734			0.739				0.897				0.902				0.902
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.734			0.739				0.897				0.902				0.902
LEVEL OF SERVICE (LOS):				C			C				D				E				E

REMARKS:

Version: 1i Beta; 8/4/2011

PROJECT IMPACT

Change in *v/c* due to project:	0.005	Δ*v/c* after mitigation:	0.005
Significant impacted?	NO	Fully mitigated?	N/A

Level of Service Worksheet
(Circular 212 Method)

I/S #:	North-South Street:	Bundy Drive	Year of Count:	2017	Ambient Growth (%):	1.0	Conducted by:	LLG Engineers	Date:	2/8/2018
4	East-West Street:	Nebraska Avenue	Projection Year:	2028	Peak Hour:	PM	Reviewed by:		Project:	LADWP West LA District Yard De

No. of Phases				0				0				0				0				0			
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0				0				0				0				0			
Right Turns: FREE-1, NRTOR-2 or OLA-3?	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0	NB--	0	SB--	0
	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB--	0
ATSAC-1 or ATSAC+ATCS-2?				0				0				0				0				0			
Override Capacity				1200				1200				1200				1200				1200			

MOVEMENT		EXISTING CONDITION			EXISTING PLUS PROJECT			FUTURE CONDITION W/O PROJECT				FUTURE CONDITION W/ PROJECT				FUTURE W/ PROJECT W/ MITIGATION			
		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	49	1	49	3	52	52	0	55	1	55	3	58	1	58	0	58	1	58
	Left-Through		0							0				0				0	
	Through	1299	2	**650**	0	1299	**650**	176	1625	2	**813**	0	1625	2	**813**	0	1625	2	**813**
	Through-Right		0							0				0				0	
	Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
SOUTHBOUND	Left	0	1	**0**	0	0	**0**	0	0	1	**0**	0	0	1	**0**	0	0	1	**0**
	Left-Through		0							0				0				0	
	Through	978	1	511	0	978	512	152	1243	1	651	0	1243	1	652	0	1243	1	652
	Through-Right		1							1				1				1	
	Right	44	0	44	1	45	45	10	59	0	59	1	60	0	60	0	60	0	60
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
EASTBOUND	Left	56	0	56	3	59	59	13	75	0	75	3	78	0	78	0	78	0	78
	Left-Through		0							0				0				0	
	Through	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Through-Right		0							0				0				0	
	Right	137	0	**193**	2	139	**198**	0	153	0	**228**	2	155	0	**233**	0	155	0	**233**
	Left-Through-Right		0							0				0				0	
	Left-Right		1							1				1				1	
WESTBOUND	Left	0	0	**0**	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**
	Left-Through		0							0				0				0	
	Through	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Through-Right		0							0				0				0	
	Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
CRITICAL VOLUMES		*North-South:*		650	*North-South:*		650	*North-South:*			813	*North-South:*			813	*North-South:*			813
		East-West:		193	*East-West:*		198	*East-West:*			228	*East-West:*			233	*East-West:*			233
		SUM:		843	*SUM:*		848	*SUM:*			1041	*SUM:*			1046	*SUM:*			1046
VOLUME/CAPACITY (V/C) RATIO:				0.703			0.707				0.868				0.872				0.872
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.703			0.707				0.868				0.872				0.872
LEVEL OF SERVICE (LOS):				C			C				D				D				D

REMARKS:

Version: 1i Beta; 8/4/2011

PROJECT IMPACT

Change in *v/c* due to project:	0.004	Δ*v/c* after mitigation:	0.004
Significant impacted?	NO	Fully mitigated?	N/A

Level of Service Worksheet
(Circular 212 Method)

I/S #:	North-South Street:	Bundy Drive	Year of Count:	2017	Ambient Growth (%):	1.0	Conducted by:	LLG Engineers	Date:	2/8/2018
5	East-West Street:	Olympic Boulevard	Projection Year:	2028	Peak Hour:	AM	Reviewed by:		Project:	LADWP West LA District Yard De

No. of Phases				4				4				4				4				4			4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0				0				0				0				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?	NB--	3	SB--	0	NB--	3	SB--	0	NB--	3	SB--	0	NB--	3	SB--	0	NB--	3	SB--	0	NB--	3	SB-- 0
	EB--	3	WB--	3	EB--	3	WB--	3	EB--	3	WB--	3	EB--	3	WB--	3	EB--	3	WB--	3	EB--	3	WB-- 3
ATSAC-1 or ATSAC+ATCS-2?				2				2				2				2				2			2
Override Capacity				0				0				0				0				0			0

	MOVEMENT	EXISTING CONDITION			EXISTING PLUS PROJECT			FUTURE CONDITION W/O PROJECT				FUTURE CONDITION W/ PROJECT				FUTURE W/ PROJECT W/ MITIGATION			
		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	175	1	175	1	176	176	71	266	1	266	1	267	1	267	0	267	1	267
	Left-Through		0							0				0				0	
	Through	1048	2	**524**	2	1050	**525**	51	1220	2	**610**	2	1222	2	**611**	0	1222	2	**611**
	Through-Right		0							0				0				0	
	Right	120	1	0	0	120	0	1	135	1	0	0	135	1	0	0	135	1	0
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
SOUTHBOUND	Left	301	1	**301**	1	302	**302**	10	346	1	**346**	1	347	1	**347**	0	347	1	**347**
	Left-Through		0							0				0				0	
	Through	704	2	352	0	704	352	96	881	2	441	0	881	2	441	0	881	2	441
	Through-Right		0							0				0				0	
	Right	143	1	88	0	143	88	41	201	1	122	0	201	1	122	0	201	1	122
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
EASTBOUND	Left	111	1	**111**	0	111	**111**	35	159	1	**159**	0	159	1	**159**	0	159	1	**159**
	Left-Through		0							0				0				0	
	Through	743	3	248	2	745	248	175	1004	3	335	2	1006	3	335	0	1006	3	335
	Through-Right		0							0				0				0	
	Right	94	1	0	0	94	0	66	171	1	0	0	171	1	0	0	171	1	0
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
WESTBOUND	Left	245	2	135	0	245	135	8	281	2	155	0	281	2	155	0	281	2	155
	Left-Through		0							0				0				0	
	Through	1246	3	**415**	1	1247	**416**	209	1599	3	**533**	1	1600	3	**533**	0	1600	3	**533**
	Through-Right		0							0				0				0	
	Right	331	1	30	1	332	30	14	383	1	37	1	384	1	37	0	384	1	37
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
CRITICAL VOLUMES		North-South:		825	North-South:		827	North-South:			956	North-South:			958	North-South:			958
		East-West:		526	East-West:		527	East-West:			692	East-West:			692	East-West:			692
		SUM:		1351	SUM:		1354	SUM:			1648	SUM:			1650	SUM:			1650
VOLUME/CAPACITY (V/C) RATIO:				0.983			0.985				1.199				1.200				1.200
V/C LESS ATSAC/ATCS ADJUSTMENT:				**0.883**			**0.885**				**1.099**				**1.100**				**1.100**
LEVEL OF SERVICE (LOS):				**D**			**D**				**F**				**F**				**F**

REMARKS:

Version: 1i Beta; 8/4/2011

PROJECT IMPACT

Change in *v/c* due to project:	0.001	Δ*v/c* after mitigation:	0.001
Significant impacted?	NO	Fully mitigated?	N/A

Level of Service Worksheet
(Circular 212 Method)

I/S #:	North-South Street:	Bundy Drive	Year of Count:	2017	Ambient Growth (%):	1.0	Conducted by:	LLG Engineers	Date:	2/8/2018
5	East-West Street:	Olympic Boulevard	Projection Year:	2028	Peak Hour:	PM	Reviewed by:		Project:	LADWP West LA District Yard De

	EXISTING CONDITION	EXISTING PLUS PROJECT	FUTURE CONDITION W/O PROJECT	FUTURE CONDITION W/ PROJECT	FUTURE W/ PROJECT W/ MITIGATION
No. of Phases	4	4	4	4	4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?	0	0	0	0	0
Right Turns: FREE-1, NRTOR-2 or OLA-3?	NB-- 3 SB-- 0 EB-- 3 WB-- 3	NB-- 3 SB-- 0 EB-- 3 WB-- 3	NB-- 3 SB-- 0 EB-- 3 WB-- 3	NB-- 3 SB-- 0 EB-- 3 WB-- 3	NB-- 3 SB-- 0 EB-- 3 WB-- 3
ATSAC-1 or ATSAC+ATCS-2?	2	2	2	2	2
Override Capacity	0	0	0	0	0

	MOVEMENT	EXISTING CONDITION Volume	No. of Lanes	Lane Volume	EXISTING PLUS PROJECT Project Traffic	Total Volume	Lane Volume	FUTURE CONDITION W/O PROJECT Added Volume	Total Volume	No. of Lanes	Lane Volume	FUTURE CONDITION W/ PROJECT Added Volume	Total Volume	No. of Lanes	Lane Volume	FUTURE W/ PROJECT W/ MITIGATION Added Volume	Total Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	60	1	60	1	61	61	82	149	1	149	1	150	1	150	0	150	1	150
	Left-Through		0							0				0				0	
	Through	997	2	**499**	2	999	**500**	106	1218	2	**609**	2	1220	2	**610**	0	1220	2	**610**
	Through-Right		0							0				0				0	
	Right	133	1	0	0	133	0	11	159	1	0	0	159	1	0	0	159	1	0
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
SOUTHBOUND	Left	100	1	**100**	2	102	**102**	21	133	1	**133**	2	135	1	**135**	0	135	1	**135**
	Left-Through		0							0				0				0	
	Through	746	2	373	0	746	373	71	903	2	452	0	903	2	452	0	903	2	452
	Through-Right		0							0				0				0	
	Right	65	1	0	0	65	0	48	121	1	20	0	121	1	20	0	121	1	20
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
EASTBOUND	Left	140	1	140	0	140	140	47	203	1	**203**	0	203	1	**203**	0	203	1	**203**
	Left-Through		0							0				0				0	
	Through	918	3	306	3	921	307	238	1262	3	421	3	1265	3	422	0	1265	3	422
	Through-Right		0							0				0				0	
	Right	409	1	**349**	0	409	**348**	77	533	1	384	0	533	1	383	0	533	1	383
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
WESTBOUND	Left	306	2	**168**	0	306	**168**	2	343	2	189	0	343	2	189	0	343	2	189
	Left-Through		0							0				0				0	
	Through	1088	3	363	1	1089	363	239	1453	3	**484**	1	1454	3	**485**	0	1454	3	**485**
	Through-Right		0							0				0				0	
	Right	267	1	167	1	268	166	18	316	1	183	1	317	1	182	0	317	1	182
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
CRITICAL VOLUMES		North-South:		599	North-South:		602	North-South:			742	North-South:			745	North-South:			745
		East-West:		517	East-West:		516	East-West:			687	East-West:			688	East-West:			688
		SUM:		1116	SUM:		1118	SUM:			1429	SUM:			1433	SUM:			1433
VOLUME/CAPACITY (V/C) RATIO:				0.812			0.813				1.039				1.042				1.042
V/C LESS ATSAC/ATCS ADJUSTMENT:				**0.712**			**0.713**				**0.939**				**0.942**				**0.942**
LEVEL OF SERVICE (LOS):				**C**			**C**				**E**				**E**				**E**

REMARKS:

Version: 1i Beta; 8/4/2011

PROJECT IMPACT

Change in *v/c* due to project:	0.003	Δ*v/c* after mitigation:	0.003
Significant impacted?	NO	Fully mitigated?	N/A

Level of Service Worksheet
(Circular 212 Method)

I/S #:	North-South Street:	Bundy Drive	Year of Count:	2017	Ambient Growth (%):	1.0	Conducted by:	LLG Engineers	Date:	2/8/2018
6	East-West Street:	Pico Boulevard	Projection Year:	2028	Peak Hour:	AM	Reviewed by:		Project:	LADWP West LA District Yard De

No. of Phases				4				4				4				4				4			4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0				0				0				0				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?	NB--	0	SB--	3	NB--	0	SB--	3	NB--	0	SB--	3	NB--	0	SB--	3	NB--	0	SB--	3	NB--	0	SB-- 3
	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB-- 0
ATSAC-1 or ATSAC+ATCS-2?				2				2				2				2				2			2
Override Capacity				0				0				0				0				0			0

MOVEMENT		EXISTING CONDITION			EXISTING PLUS PROJECT			FUTURE CONDITION W/O PROJECT				FUTURE CONDITION W/ PROJECT				FUTURE W/ PROJECT W/ MITIGATION			
		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	266	1	**266**	0	266	**266**	0	297	1	**297**	0	297	1	**297**	0	297	1	**297**
	Left-Through		0							0				0				0	
	Through	1221	2	466	2	1223	466	94	1456	2	552	2	1458	2	552	0	1458	2	552
	Through-Right		1							1				1				1	
	Right	176	0	176	0	176	176	3	199	0	199	0	199	0	199	0	199	0	199
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
SOUTHBOUND	Left	57	1	57	0	57	57	25	89	1	89	0	89	1	89	0	89	1	89
	Left-Through		0							0				0				0	
	Through	1068	2	**534**	0	1068	**534**	112	1304	2	**652**	0	1304	2	**652**	0	1304	2	**652**
	Through-Right		0							0				0				0	
	Right	73	1	0	0	73	0	11	92	1	0	0	92	1	0	0	92	1	0
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
EASTBOUND	Left	130	1	**130**	0	130	**130**	11	156	1	**156**	0	156	1	**156**	0	156	1	**156**
	Left-Through		0							0				0				0	
	Through	725	1	449	1	726	450	56	865	1	529	1	866	1	530	0	866	1	530
	Through-Right		1							1				1				1	
	Right	173	0	173	1	174	174	0	193	0	193	1	194	0	194	0	194	0	194
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
WESTBOUND	Left	118	1	118	0	118	118	13	145	1	145	0	145	1	145	0	145	1	145
	Left-Through		0							0				0				0	
	Through	814	1	**454**	1	815	**455**	75	983	1	**556**	1	984	1	**557**	0	984	1	**557**
	Through-Right		1							1				1				1	
	Right	94	0	94	0	94	94	24	129	0	129	0	129	0	129	0	129	0	129
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
CRITICAL VOLUMES		*North-South:*		800	*North-South:*		800	*North-South:*			949	*North-South:*			949	*North-South:*			949
		East-West:		584	*East-West:*		585	*East-West:*			712	*East-West:*			713	*East-West:*			713
		SUM:		1384	*SUM:*		1385	*SUM:*			1661	*SUM:*			1662	*SUM:*			1662
VOLUME/CAPACITY *(V/C)* RATIO:				1.007			1.007				1.208				1.209				1.209
V/C LESS ATSAC/ATCS ADJUSTMENT:				**0.907**			**0.907**				**1.108**				**1.109**				**1.109**
LEVEL OF SERVICE (LOS):				**E**			**E**				**F**				**F**				**F**

REMARKS:

Version: 1i Beta; 8/4/2011

PROJECT IMPACT

Change in *v/c* due to project:	0.001	Δ*v/c* after mitigation:	0.001
Significant impacted?	NO	Fully mitigated?	N/A

Level of Service Worksheet
(Circular 212 Method)

I/S #:	North-South Street:	Bundy Drive	Year of Count:	2017	Ambient Growth (%):	1.0	Conducted by:	LLG Engineers	Date:	2/8/2018
6	East-West Street:	Pico Boulevard	Projection Year:	2028	Peak Hour:	PM	Reviewed by:		Project:	LADWP West LA District Yard De

No. of Phases				4				4				4				4				4			4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0				0				0				0				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?	NB--	0	SB--	3	NB--	0	SB--	3	NB--	0	SB--	3	NB--	0	SB--	3	NB--	0	SB--	3	NB--	0	SB-- 3
	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB--	0	EB--	0	WB-- 0
ATSAC-1 or ATSAC+ATCS-2?				2				2				2				2				2			2
Override Capacity				0				0				0				0				0			0

MOVEMENT		EXISTING CONDITION			EXISTING PLUS PROJECT			FUTURE CONDITION W/O PROJECT				FUTURE CONDITION W/ PROJECT				FUTURE W/ PROJECT W/ MITIGATION			
		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	158	1	**158**	0	158	**158**	0	176	1	**176**	0	176	1	**176**	0	176	1	**176**
	Left-Through		0							0				0				0	
	Through	1083	2	431	3	1086	432	129	1337	2	529	3	1340	2	530	0	1340	2	530
	Through-Right		1							1				1				1	
	Right	210	0	210	0	210	210	17	251	0	251	0	251	0	251	0	251	0	251
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
SOUTHBOUND	Left	78	1	78	0	78	78	25	112	1	112	0	112	1	112	0	112	1	112
	Left-Through		0							0				0				0	
	Through	1190	2	**595**	0	1190	**595**	120	1448	2	**724**	0	1448	2	**724**	0	1448	2	**724**
	Through-Right		0							0				0				0	
	Right	64	1	0	0	64	0	11	82	1	0	0	82	1	0	0	82	1	0
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
EASTBOUND	Left	122	1	122	0	122	122	12	148	1	148	0	148	1	148	0	148	1	148
	Left-Through		0							0				0				0	
	Through	752	1	**569**	2	754	**571**	91	930	1	**680**	2	932	1	**682**	0	932	1	**682**
	Through-Right		1							1				1				1	
	Right	385	0	385	2	387	387	0	430	0	430	2	432	0	432	0	432	0	432
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
WESTBOUND	Left	91	1	**91**	0	91	**91**	10	112	1	**112**	0	112	1	**112**	0	112	1	**112**
	Left-Through		0							0				0				0	
	Through	563	1	312	1	564	313	77	705	1	401	1	706	1	401	0	706	1	401
	Through-Right		1							1				1				1	
	Right	61	0	61	0	61	61	28	96	0	96	0	96	0	96	0	96	0	96
	Left-Through-Right		0							0				0				0	
	Left-Right		0							0				0				0	
CRITICAL VOLUMES		*North-South:*		753	*North-South:*		753	*North-South:*			900	*North-South:*			900	*North-South:*			900
		East-West:		660	*East-West:*		662	*East-West:*			792	*East-West:*			794	*East-West:*			794
		SUM:		1413	*SUM:*		1415	*SUM:*			1692	*SUM:*			1694	*SUM:*			1694
VOLUME/CAPACITY (V/C) RATIO:				1.028			1.029				1.231				1.232				1.232
V/C LESS ATSAC/ATCS ADJUSTMENT:				**0.928**			**0.929**				**1.131**				**1.132**				**1.132**
LEVEL OF SERVICE (LOS):				**E**			**E**				**F**				**F**				**F**

REMARKS:

Version: 1i Beta; 8/4/2011

PROJECT IMPACT

Change in *v/c* due to project:	0.001	Δ*v/c* after mitigation:	0.001
Significant impacted?	NO	Fully mitigated?	N/A

APPENDIX E

TRAFFIC SIGNAL WARRANT DATA

SR#

Traffic Signal Warrants Worksheet

DATE 12/14/17 PREPARER GT REVIEWER _____

MAJOR ST: BUNDY DRIVE

MINOR ST: NEBRASKA AVENUE

Critical Approach Speed MPH _____ or Speed Limit MPH 35

Speed limit or critical speed on major street traffic > 40 mph..... ☐ or

In built up area of isolated community of < 10,000 population..... ☐

RURAL (R) ☒ URBAN (U)

Eight-Hour Vehicular Volume

WARRANT 1

SATISFIED N/A ☐ YES ☐ NO ☒

☆ The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal ☆

a. Condition A or Condition B or combination of 80% of both parts A and B must be satisfied.
b. A 6-hour Manual Count may be used in a determination that this warrant is not met. However, supplement manual counts should be taken during separate hours for a determination that this warrant is met.
c. In applying each condition, the major street and minor street volumes shall be for the same hours. On the minor street, the higher volume does not need to be the same approach during each of the hours.
d. The study should consider the effects of the right-turn vehicles from the minor-street approaches. Engineering judgment should be used to determine what, if any, portion of the right-turn traffic is subtracted from the minor-street traffic count.
e. Figure 4C-103(CA) should be used for new intersections, significantly reconstructed intersections, where near-term land development will result in increased volumes, or where it is not reasonable to use current traffic volumes.
f. Engineering judgment should also be used in applying various traffic signal warrants to cases where approaches consist of one lane plus one left-turn or right-turn lane. This site-specific traffic characteristics should dictate whether an approach is considered as one lane or two lanes. For example, for an approach with one lane for through and right-turning traffic plus a left-turn lane, if engineering judgment indicates that it should be considered a one-lane approach because the traffic using the left turn lane is minor, the total traffic volume approaching the intersection should be applied against the signal warrants as a one-lane approach. The approach should be considered two lanes if approximately half of the traffic on the approach turns left and the left-turn lane is of sufficient length to accommodate all left-turn vehicles. Similar engineering judgment and rationale should be applied to a street approach with one through/left-turn lane plus a right-turn lane. In this case, the degree of conflict of minor-street right-turn traffic with traffic on the major street should be considered. Thus, right-turn traffic should not be included in the minor-street volume if the movement enters the major street with minimal conflict. The approach should be evaluated as a one-lane approach with only the traffic volume in the through/left-turn lane considered.
g. At an intersection with a high volume of left-turn traffic from the major street, the signal warrant analysis may be performed in a manner that considers the higher volume of the major-street left-turn volumes plus the higher volume minor-street approach as the “minor street” volume and both approaches of the major street minus the higher of the major-street left-turn volume as “major street” volume. In these cases, engineering judgment should be used to determine if left-turn phasing is necessary to accommodate the high volume of left-turn traffic.

Eight-Hour Vehicular Volume (continued)

★ The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal ★

Condition A

Minimum Vehicle Volume

SATISFIED	YES	NO
100%	☐	☒
80%	☐	☒

RIGHT TURN REDUCTION APPLICATION *MINOR STREET* (If Yes, fill in percentage) ☐ ☒ ____%

	MINIMUM REQUIREMENTS (80% SHOW IN BRACKETS)				Hours							
	U	R	U	R								
APPROACH LANES	1		2 or More		07:00	08:00	09:00	15:00	16:00	17:00		
Both Approach Major Street	500 (400)	350 (280)	600 (480)	420 (336)	2424	3167	2978	2956	2986	2743		
Highest Approach Minor Street	150 (120)	105 (84)	200 (160)	140 (112)	58	116	99	212	233	232		

Condition B

Interruption of Continuous Traffic

SATISFIED	YES	NO
100%	☐	☒
80%	☐	☒

RIGHT TURN REDUCTION APPLICATION *MINOR STREET* (If Yes, fill in percentage) ☐ ☒ ____%

	MINIMUM REQUIREMENTS (80% SHOW IN BRACKETS)				Hours							
	U	R	U	R								
APPROACH LANES	1		2 or More		07:00	08:00	09:00	15:00	16:00	17:00		
Both Approach Major Street	750 (600)	525 (420)	900 (720)	630 (504)	2424	3167	2978	2956	2986	2743		
Highest Approach Minor Street	75 (60)	53 (42)	100 (80)	70 (56)	58	116	99	212	233	232		

COMBINATION OF A & B

SATISFIED	YES	NO
	☐	☒

REQUIREMENT	CONDITION	✓	FULFILLED YES	FULFILLED NO
TWO CONDITIONS SATISFIED 80%	A. MINIMUM VEHICULAR VOLUME		☐	☒
	AND			
	B. INTERRUPTION OF CONTINUOUS TRAFFIC			
AND				
AN ADEQUATE TRIAL OF OTHER ALTERNATIVES THAT COULD CAUSE LESS DELAY AND INCOVENIENCE TO TRAFFIC HAS FAILED TO SOLVE THE TRAFFIC PROBLEMS			☐	☒

Four-Hour Vehicular Volume

WARRANT 2

SATISFIED N/A ☐ YES ☒ NO ☐

☆ The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal ☆

a. Record hourly vehicle volumes for the highest four hours of an average day.
b. In applying each condition, the major street and minor street volumes shall be for the same hours. On the minor street, the higher volume does not need to be the same approach during each of the hours.
c. The study should consider the effects of the right-turn vehicles from the minor-street approaches. Engineering judgment should be used to determine what, if any, portion of the right-turn traffic is subtracted from the minor-street traffic count.
d. Engineering judgment should also be used in applying various traffic signal warrants to cases where approaches consist of one lane plus one left-turn or right-turn lane. This site-specific traffic characteristics should dictate whether an approach is considered as one lane or two lanes. For example, for an approach with one lane for through and right-turning traffic plus a left-turn lane, if engineering judgment indicates that it should be considered a one-lane approach because the traffic using the left turn lane is minor, the total traffic volume approaching the intersection should be applied against the signal warrants as a one-lane approach. The approach should be considered two lanes if approximately half of the traffic on the approach turns left and the left-turn lane is of sufficient length to accommodate all left-turn vehicles. Similar engineering judgment and rationale should be applied to a street approach with one through/left-turn lane plus a right-turn lane. In this case, the degree of conflict of minor-street right-turn traffic with traffic on the major street should be considered. Thus, right-turn traffic should not be included in the minor-street volume if the movement enters the major street with minimal conflict. The approach should be evaluated as a one-lane approach with only the traffic volume in the through/left-turn lane considered.
e. At an intersection with a high volume of left-turn traffic from the major street, the signal warrant analysis may be performed in a manner that considers the higher volume of the major-street left-turn volumes plus the higher volume minor-street approach as the "minor street" volume and both approaches of the major street minus the higher of the major-street left-turn volume as "major street" volume. In these cases, engineering judgment should be used to determine if left-turn phasing is necessary to accommodate the high volume of left-turn traffic.

APPROACH LANES	One	2 or More	Hours 16:00	17:00	15:00	08:00
Both Approaches - Major Street		✓	*2986*	*2743*	*2956*	*3167*
Higher Approach - Minor Street	✓		*233*	*232*	*212*	*116*

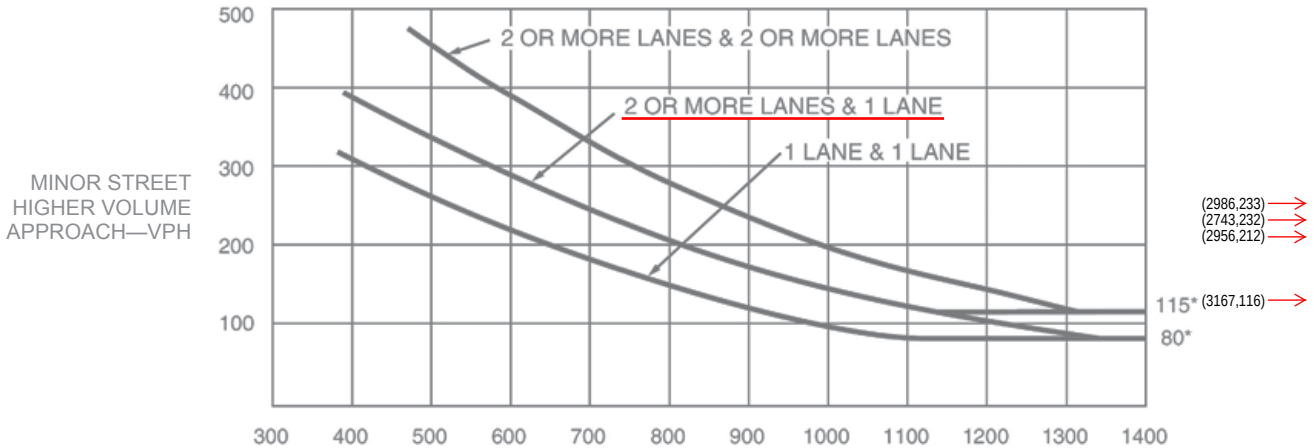
	YES	NO
RIGHT TURN REDUCTION APPLICATION *MINOR STREET*	☐	☒
(If Yes, fill in percentage) _____%		
* All plotted points fall above the applicable curve in Figure 4C-1. (URBAN AREAS)	☒	☐
OR, All plotted points fall above the applicable curve in Figure 4C-2. (RURAL AREAS)		

Four-Hour Vehicular Volume *(continued)*

✯ The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal ✯

URBAN

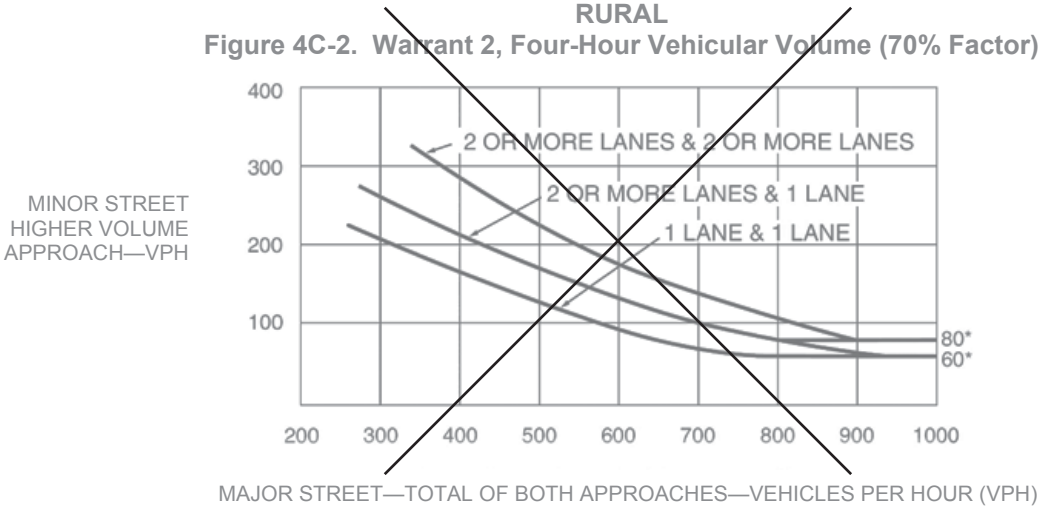
Figure 4C-1. Warrant 2, Four-Hour Vehicular Volume



**Note: 115 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 80 vph applies as the lower threshold volume for a minor-street approach with one lane.*

RURAL

Figure 4C-2. Warrant 2, Four-Hour Vehicular Volume (70% Factor)



**Note: 80 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 60 vph applies as the lower threshold volume for a minor-street approach with one lane.*

Peak Hour WARRANT 3

N/A	☐
SATISFIED YES	☒
NO	☐

☆ The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal ☆

a. Part A or Part B must be satisfied.
b. In applying each condition, the major street and minor street volumes shall be for the same hours.
c. The study should consider the effects of the right-turn vehicles from the minor-street approaches. Engineering judgment should be used to determine what, if any, portion of the right-turn traffic is subtracted from the minor-street traffic count.
d. Estimated Peak Hour Volumes may be used for new intersections, significantly reconstructed intersections, or where near-term land development will result in increased volumes.
e. Engineering judgment should also be used in applying various traffic signal warrants to cases where approaches consist of one lane plus one left-turn or right-turn lane. This site-specific traffic characteristics should dictate whether an approach is considered as one lane or two lanes. For example, for an approach with one lane for through and right-turning traffic plus a left-turn lane, if engineering judgment indicates that it should be considered a one-lane approach because the traffic using the left turn lane is minor, the total traffic volume approaching the intersection should be applied against the signal warrants as a one-lane approach. The approach should be considered two lanes if approximately half of the traffic on the approach turns left and the left-turn lane is of sufficient length to accommodate all left-turn vehicles. Similar engineering judgment and rationale should be applied to a street approach with one through/left-turn lane plus a right-turn lane. In this case, the degree of conflict of minor-street right-turn traffic with traffic on the major street should be considered. Thus, right-turn traffic should not be included in the minor-street volume if the movement enters the major street with minimal conflict. The approach should be evaluated as a one-lane approach with only the traffic volume in the through/left-turn lane considered.
f. At an intersection with a high volume of left-turn traffic from the major street, the signal warrant analysis may be performed in a manner that considers the higher volume of the major-street left-turn volumes plus the higher volume minor-street approach as the "minor street" volume and both approaches of the major street minus the higher of the major-street left-turn volume as "major street" volume. In these cases, engineering judgment should be used to determine if left-turn phasing is necessary to accommodate the high volume of left-turn traffic.

PART A

	SATISFIED	YES	NO
		☐	☐

All parts 1, 2, and 3 below must be satisfied for the same one hour, for any four consecutive 15-minute periods)

	YES	NO	N/A
1. The total delay experienced by traffic on one minor street approach (one direction only) controlled by a STOP sign equals or exceeds four vehicle-hours for a one-lane approach, or five vehicle-hours for a two-lane approach; AND	☐	☐	☒
2. The volume on the same minor street approach (one direction only) equals or exceeds 100 vph for one moving lane of traffic or 150 vph for two moving lanes; AND	☐	☐	☒
3. The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with four or more approaches or 650 vph for intersections with three approaches.	☐	☐	☒

PART B

	SATISFIED	YES	NO
		☒	☐

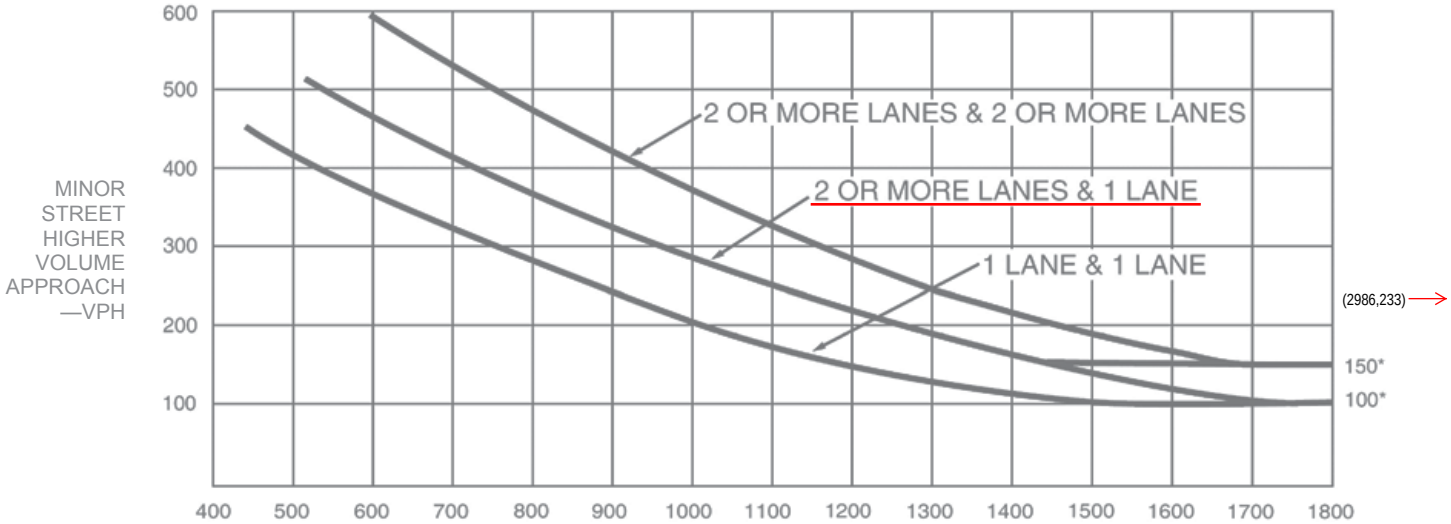
APPROACH LANES	One	2 or More	Hour: 4:00 PM
Both Approaches - Major Street		✓	*2986*
Higher Approach - Minor Street	✓		*233*

	YES	NO
The plotted point falls above the applicable curve in Figure 4C-3. (URBAN AREAS)	☒	☐
OR, The plotted point falls above the applicable curve in Figure 4C-4. (RURAL AREAS)		

Peak Hour *(continued)*

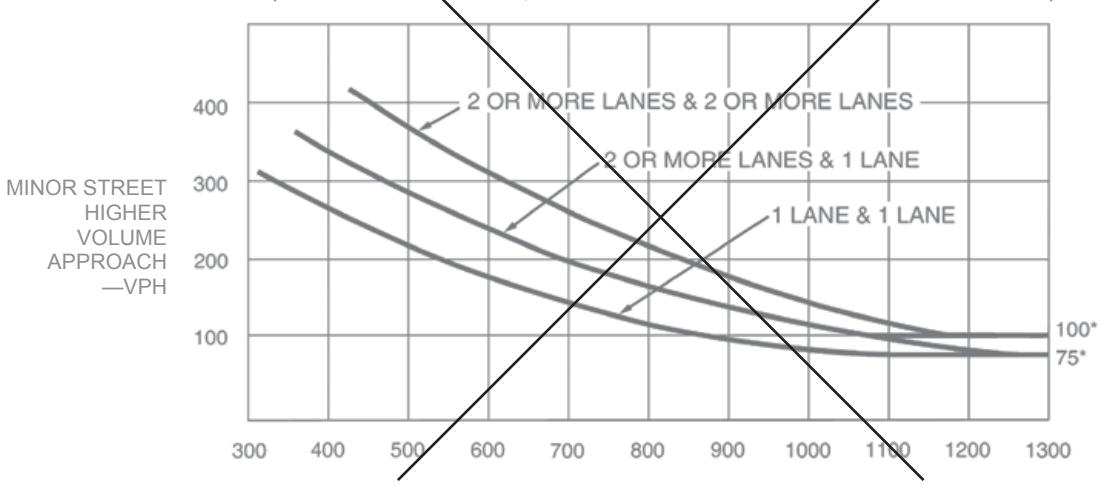
✯ The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal ✯

URBAN
Figure 4C-3. Warrant 3, Peak Hour



** Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor street approach with one lane.*

RURAL
Figure 4C-4. Warrant 3, Peak Hour (70% Factor)
(Community Less Than 10,000 Population or Above 40 MPH on Major Street)



** Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume for a minor street approach with one lane.*

Crash Experience Warrant

WARRANT 7

N/A	☐
SATISFIED YES	☐
NO	☒

☆ The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal ☆

a. All Parts must be satisfied.
b. For locations that involve other agencies, crash data from other involved jurisdictions should be obtained.

			YES	NO
Adequate trial of alternatives with satisfactory observance and enforcement has failed to reduce the crash frequency			☐	☒
REQUIREMENTS	Number of crashes reported within a 12-month period susceptible to correction by a traffic signal: *3*		☐	☒
5 OR MORE	*Indicate Date(s):* *4/26/2015; 8/15/2014; 5/22/2014*			
REQUIREMENTS	CONDITIONS	✓		
ONE CONDITION SATISFIED 80%	Warrant 1, Condition A - Minimum Vehicular Volume		☐	☒
	OR, Warrant 1, Condition B - Interruption of Continuous Traffic			
	OR, Warrant 4, Pedestrian Volume Condition - Ped Vol ≥ 80% for ped volumes per Figures 4C-5 to 4C-8			

Roadway Network

WARRANT 8

N/A	☒
SATISFIED YES	☐
NO	☐

☆ The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal ☆

a. Existing traffic volumes with an ambient growth rate of 1% (or other LADOT approved ambient growth rate) may be used if projected volumes are not available.
b. All Parts must be satisfied.

MINIMUM VOLUME REQUIREMENTS	ENTERING VOLUMES - ALL APPROACHES	✓	FULLFILLED YES	FULLFILLED NO
1000 Veh / Hr	During Typical Weekday Peak Hour _____ Veh/Hr **AND** has 5-year projected traffic volumes that meet one or more of Warrants 1,2, and 3 during an average weekday.		☐	☐
	OR During Each of Any 5 Hrs. of a Saturday or Sunday _____ Veh / Hr			

CHARACTERISTICS OF MAJOR ROUTES	MAJOR ROUTE A	MAJOR ROUTE B	YES	NO
Highway System Serving as Principal Network for Through Traffic				
Rural or Suburban Highway Outside Of, Entering, or Traversing a City				
Appears as Major Route on an Official Plan				
Any Major Route Characteristics Met, Both Streets			☐	☐

Appendix Table E
TRAFFIC SIGNAL WARRANT VOLUMES
Bundy Drive/Nebraska Avenue

HOUR	EXISTING VOLUMES [1]		AMBIENT GROWTH VOLUMES [2]		RELATED PROJECT VOLUMES [3]		PROJECT VOLUMES [3]		FUTURE WITH PROJECT VOLUMES [4]	
	Major Street (Both Approaches) Bundy Drive	**Minor Street (Higher Approach)** Nebraska Avenue	**Major Street (Both Approaches)** Bundy Drive	**Minor Street (Higher Approach)** Nebraska Avenue	**Major Street (Both Approaches)** Bundy Drive	**Minor Street (Higher Approach)** Nebraska Avenue	**Major Street (Both Approaches)** Bundy Drive	**Minor Street (Higher Approach)** Nebraska Avenue	**Major Street (Both Approaches)** Bundy Drive	**Minor Street (Higher Approach)** Nebraska Avenue
7:00 AM	1920	41	222	5	277	9	4	3	2424	58
8:00 AM	2587	93	299	11	277	9	4	3	3167	116
9:00 AM	2417	78	280	9	277	9	4	3	2978	99
3:00 PM	2343	174	271	20	338	13	4	5	2956	212
4:00 PM	2370	193	274	22	338	13	4	5	2986	233
5:00 PM	2152	192	249	22	338	13	4	5	2743	232

[1] Data worksheets for the existing six-hour manual turning movement counts utilized in this analysis are included in Appendix B.
[2] An ambient growth rate of one percent (1.0%) per year has been applied to grow the existing Year 2017 volumes to future Year 2028 volumes.
[3] Please refer to the peak hour caluclation worksheets contained in Appendix D. For the purposes of this warrant analysis, the AM and PM peak hour related projects and project volumes have been applied to each AM and PM hour, respectively.
[4] Future with project volumes obtained by summing existing, ambient growth, related projects, and project volumes.

Settings Used For Query

Parameter	Setting
Street Name	NEBRASKA *
Cross Street	BUNDY *
Starting Date	6/1/2013
Ending Date	5/31/2016
Distance from Intersection	>= 0' for non rear-end collisions
	>= 0' for rear-end collisions

City of Los Angeles
Department of Transportation
Collision Report Summary

12/12/2017

Date Range Reported: 6/1/13 - 5/31/16
Total Number of Collisions: 5

Report#	Date	Time	Location	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Dir. of Travel 1	Movement Prec. Coll. 1	Dir. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil.	Ver.
6217614	9/17/13	17:45	Bundy Drive & Nebraska Avenue (N)	0'	In Int.	Sideswipe	Other Motor Vehicle	South	Proceeding Straight	North	Making Left Turn	Unsafe Speed	1	0	
6286558	10/6/13	23:35	Bundy Drive & Nebraska Avenue (N)	140'	South	Broadside	Other Motor Vehicle	East	Making Left Turn	North	Proceeding Straight	Improper Turning	1	0	
6578156	5/22/14	23:15	Nebraska Avenue & Bundy Drive (N)	15'	East	Head-On	Parked Motor Vehicle	East	Making Right Turn	Not State	Parked	Driving Under Influence	0	0	
6647390	8/15/14	15:15	Nebraska Avenue & Bundy Drive (N)	0'	In Int.	Vehicle - Pedestrian	Pedestrian	North	Proceeding Straight	East	Making Right Turn	Unknown	1	0	
6931609	4/26/15	03:32	Bundy Drive & Nebraska Avenue (N)	20'	South	Hit Object	Fixed Object	South	Ran Off Road			Unsafe Speed	0	0	

CITY OF LOS ANGELES

INTER-DEPARTMENTAL MEMORANDUM

12300 Nebraska Av
DOT Case No. WLA18-106700

DATE: November 7, 2019

TO: Luciralia Ibarra, Senior City Planner
Department of City Planning

FROM: Robert Sanchez, Transportation Engineer
Department of Transportation

SUBJECT: **UPDATED TRAFFIC IMPACT ASSESSMENT FOR THE PROPOSED LADWP WEST LOS ANGELES YARD DEMOLITION AND CONSTRUCTION PROJECT TO BE LOCATED AT 12300 W. NEBRASKA AVE.**

The Department of Transportation (DOT) has reviewed the updated traffic impact analysis prepared by Linscott Law & Greenspan Engineers (LLG), dated September 11, 2019, for the proposed LADWP West Los Angeles Yard Demolition and Construction project at the existing facility located at 12300 West Nebraska Avenue. After a review of the pertinent data, DOT has determined that the analysis conducted adequately describes the project related impact of the proposed project.

PROJECT DESCRIPTION

LADWP will be demolishing all existing structures, and constructing new buildings in their place, at the West Los Angeles Yard. The facility, at its current capacity, does not have adequate storage for its equipment and will not be able to support the planned increase to 375 full time staff, 315 District Yard employees and 60 Service Planning Center employees. Structures planned for demolition include the district office, warehouse, break room, locker room, and fleet shop. One new building is planned to be constructed: warehouse, administration office, electric trouble office, service planning office and fleet shop totalling approximately 91,000 square feet. The new building will consolidate the functions of the demolished buildings. The existing gantry crane will be moved toward the southeast section of the District Yard, closer to the Olympic Boulevard entrance. Existing unleaded and diesel fuel tanks would remain aboveground. Parking will consist of a new 145,000 square foot one level underground parking structure, located under the new three story building, and consisting of 389 parking spaces for employees and fleet vehicles. There will also be an aboveground parking structure, directly south of the new building, with two levels, 154 spaces, and approximately 156,000 square feet to be used by a variety of LADWP fleet vehicles. Additionally, 12 public parking spaces would be provided at-grade outside the Service Planning Center office. All parking spaces would include electric vehicle charging stations.

On-site circulation would be altered to require all departmental vehicles to access via Olympic Boulevard, Centinela Avenue, and the northernmost driveway on Nebraska Avenue. Employee access would be from the new primary driveway on Nebraska Avenue; employees would be required to enter past the new security gate located at this driveway.

An expansion of the existing driveway within the off-site right-of-way along Nebraska Avenue would be required. To accommodate the driveway expansion, one existing street tree is proposed to be removed.

New trees would be added to the project site in the landscape designated areas. No off-site utility or infrastructure are required.

The project involves the demolition of all existing structures and the construction of a new three-story, 91000 square foot building on the same site as the existing West Los Angeles District Yard. During construction, approximately half of all the employees would temporarily relocate to the Palms Yard, located at 2311 South Fairfax Avenue, Los Angeles 90016, with the remaining employees temporarily relocating to a yard site in the western portion of Los Angeles World Airport (LAX). During construction, employees would have access via Nebraska Avenue while construction vehicles will be allowed to access from entrances located on Centinela Avenue and Olympic Boulevard. Equipment used for construction would include a minimum of two excavators with thumb attachments, two dozers, one or two drill rigs, two cranes, one backhoe, one forklift, one padfoot compactor, one soil compactor, one loader, one bobcat with broom attachment, one water truck, two dump trucks, and one flatbed truck. The hours or operation for construction equipment are assumed to be eight (8) hours a day. It is assumed that an average of 12 workers would be present daily during demolition activities and an average of 30 workers per day would be present during construction activities.

DISCUSSION AND FINDINGS

Trip Generation

The proposed project would increase the total number of employees on site from 191 to 375, 315 of which are District Yard employees and 60 employees that will work in the new Service Planning Center. The facility will operate during the following hours:

- Monday through Friday: 6:30AM- 4:00PM
  - District/ Service Planning personnel: 287, Security: 2, Supply Chain: 6, Fleet: 2
- Monday through Friday: 7:00PM- 3:00PM
  - Electric Trouble: 2
- Monday through Friday: 3:00PM – 11:00PM
  - Electric Trouble: 10, Security: 2, Fleet: 8
- Monday through Friday: 11:00PM – 7:00AM
  - Electric Trouble: 10, Security: 2
- Saturday and every other Sunday: 6:30AM – 4:30PM
  - Weekend staffing is on a volunteer basis. On average, there are approximately 150 employees during this shift.
- Saturday and Sunday: 7:00AM- 3:00PM, 3:00PM – 11:00PM, 11:00PM – 7:00AM
  - Electric Trouble: 10, Security: 2

Typically the ITE Trip Generation Manual is used to forecast trip rates, however, due to the unique nature of this facility, City staff agreed that it would be appropriate to forecast the trips generated by the project based on derived site-specific trip generation rates. The derived trip rates, based on weekday manual peak hour traffic counts at the five existing active driveways, were the following:

- **Weekday AM Peak Hour**: 0.055 inbound trips per employee, 0.194 outbound trips per employee, and 0.249 total trips per employee
- **Weekday PM Peak Hour**: 0.059 inbound trips per employee, 0.221 outbound trips per employee, and 0.280 total trips per employee
- **Daily Trip Rates**: estimated based on the assumption that average peak hours represent ten percent (10%) of the total daily trip ends.

The trip generation of the proposed facility, based on these site-specific rates, are the following:

- Weekday AM: 52 new trips (24 inbound/ 28 outbound)
- Weekday PM: 59 new trips (12 inbound/ 47 outbound)
- Daily: 525 new trips

(See **Attachment "A"**)

Traffic Impact

It is concluded that the proposed project is not expected to create a significant impact at any of the eight (8) study intersections under either the Existing With Project or Future With Project conditions, based on the City of Los Angeles thresholds of significance used for evaluating traffic impacts. Because there are no significant impacts, no traffic mitigation measures are required or recommended for the study intersections. In addition, because of the temporary relocation of employees to two existing off site facilities, the project will provide oversight of operations at the off-site locations. If any vehicle queuing should occur, temporary remedial measures would be recommended and implemented as necessary by the City.

Congestion Management Program (CMP)

The results of the Los Angeles CMP traffic assessment indicate that the proposed project will not adversely affect any of the CMP arterial monitoring intersections or freeway monitoring locations, therefore, no improvements are required.

Transportation Demand Management (TDM)

LADOT recommends that the project comply with the City's Trip Reduction Ordinance and generally work to decrease the number of single occupant vehicle trips and increase the use of other transportation modes such as transit, walking, bicycling and ridesharing.

Traffic Signal Warrants

Traffic signal warrants were prepared for the Bundy Drive/Nebraska Avenue intersection. Warrant No. 1 (Eight-Hour Vehicular Volume) is not satisfied under future with project conditions for the Bundy Drive/Nebraska Avenue intersection, while Warrant No. 2 (Four-Hour Vehicular Volume) and Warrant No. 3 (Peak Hour) are satisfied under future with project conditions. Warrant No. 7 (Crash Experience) is not satisfied based on a review of existing collision records. It is important to note that the satisfaction of a traffic signal warrant is not necessarily justification for the installation of a traffic signal. Delay, congestion, approach conditions, driver confusion, future land use or other evidence of the need for right-of-way assignment beyond that which could be provided by stop sign control may be demonstrated. Conversely, if a traffic signal warrant is not met, these other factors may be just cause for consideration of a traffic signal installation. The lead agency/agencies must carefully consider all aspects related to installation of traffic controls.

PROJECT REQUIREMENTS

A. Highway Dedication and Street Widening Requirements

The applicant shall consult the Bureau of Engineering (BOE) for any highway dedication or street widening requirements. These requirements must be guaranteed before the issuance of any building permit through the B-permit process of the BOE. They must be constructed and completed prior to the issuance of any certificate of occupancy to the satisfaction of DOT and BOE.

B. Construction Impacts

DOT recommends that a construction work site traffic control plan be submitted to the DOT Western District Operations Office for review and approval prior to the start of any construction work. The plan should show the location of any roadway or sidewalk closures, traffic detours, haul routes, hours of operation, protective devices, warning signs, and access to abutting properties. DOT also recommends that all construction related traffic be restricted to off-peak hours. In addition, the

C. Driveway Access and Circulation

Review of the traffic impact analysis does not constitute approval of the Project's driveway dimensions and internal circulation schemes. Those require separate review and approval and should be coordinated with DOT's West LA/Coastal Development Review Section (7166 W Manchester Ave, @ 213-485-1062). In order to minimize potential building design changes, the applicant should contact DOT for driveway width and internal circulation requirements so that such traffic flow considerations are designed and incorporated early into the building and parking layout plans.

D. Parking Requirements

The applicant should check with the Department of Building and Safety on the number of Code-required parking spaces needed for this project.

E. Pedestrian Connectivity

Applicant shall consult with the Department of City Planning for any additional requirements pertaining to pedestrian walkability and connectivity, as described in the Walkability Checklist.

F. Development Review Fees

An ordinance adding Section 19.15 to the Los Angeles Municipal Code relative to application fees paid to DOT for permit issuance activities was adopted by the Los Angeles City Council in 2009 and updated in 2014. This ordinance identifies specific fees for traffic study review, condition clearance, and permit issuance. The applicant shall comply with any applicable fees per this ordinance.

If you have any questions, please contact Pedro Ayala or me at (213) 485-1062.

RS:pa

Attachments

cc: Krista Kline, CD 11
Eddie Guerrero, Tim Fremaux, Rudy Guevara, DOT
Kevin Azarmahan, BOE
K.C. Jaeger, Linscott, Law & Greenspan, Engineers

Table 7-1
PROJECT TRIP GENERATION FORECAST

TRIP GENERATION RATES [1]									
	ITE LAND USE CODE		WEEKDAY	WEEKDAY AM PEAK HOUR			WEEKDAY PM PEAK HOUR		
ITE LAND USE CATEGORY		VARIABLE	DAILY	IN (%)	OUT (%)	TOTAL	IN (%)	OUT (%)	TOTAL
Existing West LA District Yard	[2]	Per Employee	2.644	22%	78%	0.249	21%	79%	0.280
General Office Building	710	Per Employee	3.28	83%	17%	0.37	20%	80%	0.40

PROJECT TRIP GENERATION FORECAST [3]									
	ITE LAND USE CODE		DAILY TRIP ENDS [4]	AM PEAK HOUR VOLUMES [4]			PM PEAK HOUR VOLUMES [4]		
LAND USE		SIZE	VOLUMES	IN	OUT	TOTAL	IN	OUT	TOTAL
Proposed Project									
West LA District Yard	[2]	315 Employees	833	17	61	78	18	70	88
Service Planning Center	710	60 Employees	197	18	4	22	5	19	24
Subtotal Proposed Project			***1,030***	***35***	***65***	***100***	***23***	***89***	***112***
Existing Uses									
West LA District Yard	[2]	(191) Employees	(505)	(11)	(37)	(48)	(11)	(42)	(53)
Subtotal Existing Uses			***(505)***	***(11)***	***(37)***	***(48)***	***(11)***	***(42)***	***(53)***
NET NEW PROJECT TRIPS			***525***	***24***	***28***	***52***	***12***	***47***	***59***

[1] Source: ITE "Trip Generation Manual", 10th Edition, 2017, except as noted below.
[2] The trip generation forecast for the DWP West LA yard operations is based on empirical trip rates derived from observations of the existing DWP yards. Refer to Appendix Table C for derivation of the empirical trip rates.
[3] Projected employment totals 375 employees per the LADWP project description (June 2019) which includes 315 West LA Yard employees plus 60 employees that will work in the new 8,531 square-foot Service Planning Center to be constructed on-site.
[4] Trips are one-way traffic movements, entering or leaving.