



Alvarado Commerce Center Project

Initial Study – Mitigated Negative Declaration

prepared by

City of San Leandro
Community Development Department
835 East 14th Street
San Leandro, California 94577
Contact: Anjana Mepani, Senior Planner

prepared with the assistance of

Rincon Consultants, Inc.
449 15th Street, Suite 303
Oakland, California 94612

November 2017



City of San Leandro Notice of Intent to Adopt a Mitigated Negative Declaration

Notice is hereby given that the City of San Leandro has completed an Initial Study and Mitigated Negative Declaration in accordance with the California Environmental Quality Act for the project described below.

Project Title: Alvarado Commerce Center Project

Project Description: The proposed project would involve demolition of the existing buildings on the project site and construction of a new 159,450-square-foot building designed for advanced manufacturing and/or logistics uses. Examples of uses for which the proposed building is intended include technology-intensive manufacturing, food processing, fulfillment, assembly and storage, and wholesale trade distribution. Approximately 135,450 square feet of the building would be designed to accommodate manufacturing and logistics space and up to 20,000 square feet of the building on a mezzanine level would be conditioned and could be used for office space or research and development (R&D) use.

The project is on a list compiled pursuant to Government Code section 65962.5. Please refer to Section 8 of the Draft IS-MND for additional information. The proposed project is not considered a project of statewide, regional or area wide significance. The proposed project would not affect highways or other facilities under the jurisdiction of the State Department of Transportation.

Project Location: The project site is a 6.9-acre (300,642 square feet) parcel located at 2756 Alvarado Street, at its intersection with Aladdin Avenue, in the City of San Leandro (Assessor's Parcel No. 778-880-14). The site is currently occupied by three warehouse buildings totaling 133,994 square feet used for general warehousing, outdoor storage, and retail activities. The neighborhood in which the project site is located is characterized by industrial and commercial uses.

Finding: On the basis of the Initial Study, the Community Development Department of the City of San Leandro has determined that with the incorporation of the mitigation measures identified in the Initial Study, the proposed project would not have a significant adverse effect on the environment.

Public Hearing: The proposed project and the IS-MND will be considered by the City of San Leandro Board of Zoning Adjustments on Thursday, December 7, 2017 at 7:00 p.m. in the City Council Chambers at San Leandro City Hall (835 East 14th Street, San Leandro). Any interested party or agent may appear and be heard. Comments regarding the proposed project or IS-MND may be forwarded to the City of San Leandro at or prior

to the Public Hearing. Anyone instituting a legal challenge to the Public Hearing item noted above may be limited to addressing only those issues raised at the Public Hearing described in this Notice, or in written correspondence delivered to the City of San Leandro at or prior to the Public Hearing.

Public Comment Period: The Initial Study - Mitigated Negative Declaration (IS-MND) is available for public review and comment. The public review period for this project continues from the date of this Notice until the public hearing to be held on **Thursday, December 7, 2017**. Your comments on the IS-MND are welcome. If you wish to comment on the IS-MND, please send written comments with your name and/or the name of your agency contact person (if applicable) to the following address or email address by the public hearing to be held on Thursday, December 7, 2017:

Anjana Mepani, Senior Planner
City of San Leandro
835 East 14th Street
San Leandro, CA 94577
Email: AMepani@sanleandro.org

Document Availability: A copy of the IS-MND can be reviewed at the City of San Leandro's Permit Center during regular business hours, located at 835 East 14th Street, San Leandro, CA 94577 and online at <http://sanleandro.org/depts/cd/plan/polplanstudiesceqa/default.asp>.



Anjana Mepani, Senior Planner

Date of Notice: November 16, 2017

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Initial Study

1. Project Title

Alvarado Commerce Center Project

2. Lead Agency Name, Address and Contact

City of San Leandro
Community Development Department
835 East 14th Street
San Leandro, California 94577
Contact: Anjana Mepani, Senior Planner, (510) 577-3348

3. Project Sponsor's Name and Address

Paceline Investors, LLC
595 Market Street, Suite 2525
San Francisco, CA 94105
Contact: Mark English, (510) 499-9013

4. Project Location

The project site is a 6.9-acre (300,642 square feet) parcel located at 2756 Alvarado Street, at its intersection with Aladdin Avenue, in the City of San Leandro (Assessor's Parcel No. 778-880-14). The site is currently occupied by three warehouse buildings totaling 133,994 square feet used for general warehousing, outdoor storage, and retail activities. Figure 1 shows the regional location and Figure 2 shows an aerial view of the project site and immediate surroundings.

5. General Plan Designation

Light Industrial

6. Zoning

Industrial General District (IG)

Figure 1 Regional Location



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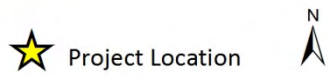


Fig 1 Regional Location

Figure 2 Project Site Location



Imagery provided by Google and its licensors © 2017.

Fig2 Project Site Location

7. Project Site Background and Existing Setting

The project site is located at the southwest corner of Alvarado Street and Aladdin Avenue in a neighborhood characterized by industrial and commercial uses. The project site is currently developed with three connected warehouse buildings totaling 133,994 square feet; parking and loading areas; landscaping, including approximately 20 street trees, shrubbery, and grasses; and vehicle and equipment storage areas. The warehouse buildings are generally oriented on the southern portion of the project site. Parking areas are primarily located along Alvarado and Aladdin streets on the northern and western boundaries of the site. Along the eastern boundary of the site is an unpaved area that includes trailers, vehicle, and equipment storage. The three existing buildings are configured to accommodate six tenants. Only one of the tenant spaces is currently occupied. The eastern-most warehouse building is occupied by Mr. Plastics, a plastics retail, distribution, design, and fabrication company. Previously, the other tenant spaces included general warehousing, outdoor storage, and retail activities. The project site is generally flat, although the parking area adjacent to Alvarado Street is at a lower grade than the adjacent onsite building. Photos of the project site are shown in Figure 3 and Figure 4.

Surrounding development primarily consists of one- to two-story commercial and industrial buildings. North of the project site is the San Leandro Door Company, a door supplier located at 2690 Alvarado Street, and Transcon Lines, a freight shipping facility located at 601 Aladdin Avenue with an associated storage yard located at 661 Aladdin Avenue. South of the project site is a railroad right-of-way, and beyond that Georgia Pacific, a paper product manufacturer located at 2800 Alvarado Street. East of the project site are recycling and office facilities used by Alameda County Industries (ACI). West of the project site is George Oren Tires and Services, a tire shop located at 2823 Alvarado Street, and Douglas Electronics, Inc., an electronic parts supplier located at 2777 Alvarado Street.

The project site was originally developed by Sherwin Williams in 1957 on vacant, undeveloped land. Sherwin Williams operated as a metal can manufacturing facility from 1957 to 1983, when the facility was sold to U.S. Can Company who continued to operate as a metal can manufacturing facility (WSP - Parsons Brinckerhoff [WSP] 2017). Previous operations conducted by Sherwin Williams and U.S. Can Company included lithographing, solvent cleaning, painting, assembly, lead soldering, drum mixing and storage. In 1989, the U.S. Can Company discontinued can manufacturing operations onsite. However, the company continued to use the building for warehouse operations until 1994. From 1994 to present, the site has been used by various tenants for warehouse, retail, and storage activities.

Figure 3 Site Photos – Photos 1 and 2



Photo 1: View of western frontage of existing vacant warehouse building (formally New World Class Furniture store) from Alvarado Street parking lot.

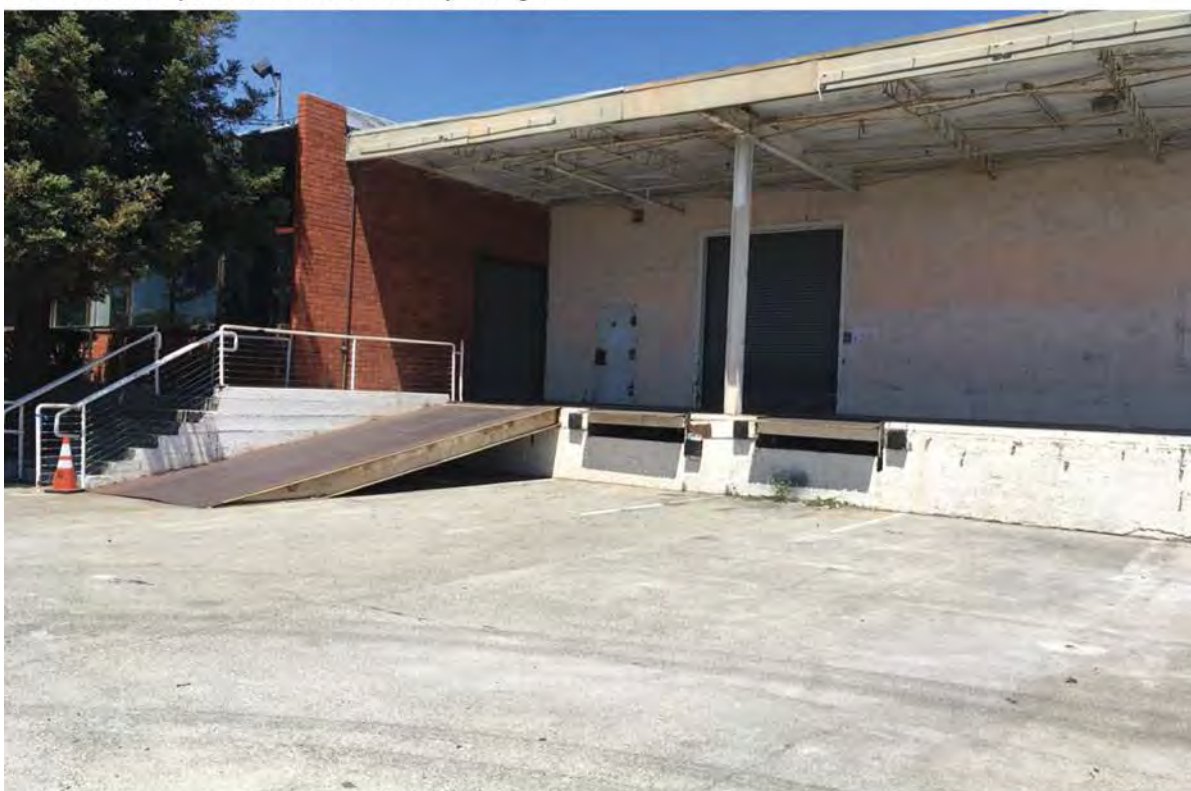


Photo 2: View of existing unused loading dock on the southwestern corner of the project site from Alvarado Street parking lot.

Figure 4 Site Photos – Photos 3 and 4



Photo 3: View of existing warehouse building and bulky storage area (for the Oriental Vase and Furniture store which is now closed) from Aladdin Avenue parking lot.



Photo 4: View of existing onsite loading dock and warehouse building (Mr. Plastics) from Aladdin Avenue.

8. Description of Project

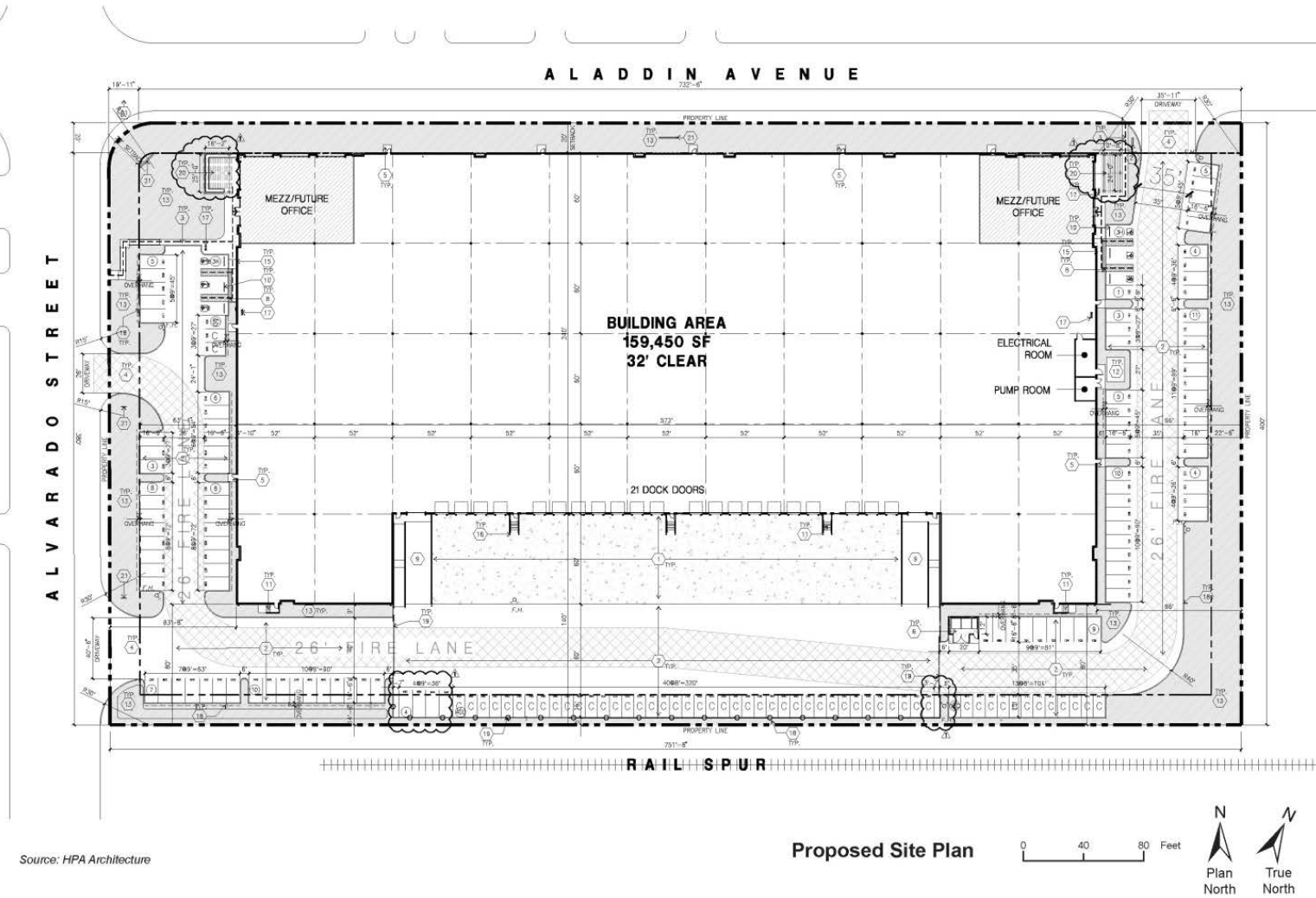
The project would involve demolition of the existing buildings on the project site and construction of a new 159,450-square-foot building designed for advanced manufacturing and/or logistics uses. Examples of uses for which the proposed building is intended include technology-intensive manufacturing, food processing, fulfillment, assembly and storage, and wholesale trade distribution. Approximately 135,450 square feet of the building would be designed to accommodate manufacturing and logistics space and up to 20,000 square feet of the building on a mezzanine level would be conditioned and could be used for office space or research and development (R&D) use.

The proposed new building would be single-story with a maximum height of 40 feet. The proposed site plan is shown in Figure 5. Table 1 summarizes the characteristics of the project.

Table 1 Project Summary

Building Area	
Office	20,000 square feet (sf)
Warehouse/Manufacturing	139,450 sf
Total	159,450 sf (53% site coverage)
Parking Stalls	
Standard (9'x18.5')	103 stalls
Compact (8'x15')	56 stalls
Accessible (9'x18)	4 stalls
Van Accessible (12'X18')	2 stalls
Total	165 stalls 24,883 sf (8.3% site coverage)
Bicycle Parking	
Interior Stalls	17 stalls
Landscaping	
Trees (64)	2,560 sf
Foundation Planting	6,848 sf
Streetscape Shrub Area	5,208 sf
Parking Lot Shrub Area	15,179 sf
Project Accent Shrub Area	5,098 sf
Native Grass Bioswale Area	12,353 sf
Total	47,246 sf (15.7% site coverage)

Figure 5 Proposed Site Plan



Source: HPA Architecture

Access and Parking

Vehicular access would be provided from three driveways, two on Alvarado Street on the western portion of the site and one on Aladdin Avenue on the northern portion of the site. The project would include a total of 165 onsite parking spaces, of which six would be compliant with the Americans with Disabilities Act (ADA). Seventeen bicycle parking spaces would also be provided. The rear of the building would include a loading dock with 21 truck trailer parking positions.

Landscaping

Landscaping would be provided throughout the project site. The project would have landscape coverage of approximately 47,246 square feet (approximately 15.7 percent of the site). All but two existing trees located on the sidewalk right-of-way would remain. Approximately 20 trees on the project site would be removed. The project would involve planting 64 new California native trees onsite around the building perimeter and in the parking areas. Bioswales would be located on the northwestern corner of the site and along the eastern and southern boundaries of the site. The bioswales would provide stormwater retention and would be planted with native grasses. Irrigation would meet the requirements for water efficiency in accordance with Article 19 of the San Leandro Zoning Code (SLZC).

Building Architecture and Design

The project would incorporate contemporary architectural features along the frontage of Alvarado Street and Aladdin Avenue. This would include glazing, parapet articulation, varied color and material finishes, and clearstory glazing along street frontages.

Utilities

San Leandro provides electric, natural gas, refuse, recycled water, and wastewater collection, treatment and disposal to the site. Water supply to the site is provided by the East Bay Municipal Utility District (EBMUD). The storm drain system for the project site is maintained by the Alameda County Public Works Agency. Police services would be provided by the City of San Leandro and fire protection would be provided by the Alameda County Fire Department.

Green Building Features

The project would incorporate green building features including the following:

- Above standard skylight count to provide natural lighting inside the building and minimize daytime energy requirements
- Solar-ready roof
- Water efficient landscaping

Construction and Grading

Construction of the project would occur over approximately 36 weeks, or nine months. The approximate construction schedule includes:

- Mobilization – two weeks
- Demolition – six weeks
- Rough grading – four weeks
- Structure construction – 16 weeks

- Site completion – four weeks
- Finishes – four weeks

Grading would be balanced onsite. Therefore, no import or export of soil from the site would be required.

9. Other Public Agencies Whose Approval is Required

The City of San Leandro is the lead agency with responsibility for approving the project. No other public agency's approval is required.

Environmental Factors Potentially Affected

This project would potentially affect the environmental factors checked below, involving at least one impact that is “Potentially Significant” or “Potentially Significant Unless Mitigation Incorporated” as indicated by the checklist on the following pages.

- | | | |
|--|---|--|
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Agriculture and Forestry Resources | <input type="checkbox"/> Air Quality |
| <input checked="" type="checkbox"/> Biological Resources | <input checked="" type="checkbox"/> Cultural Resources | <input checked="" type="checkbox"/> Geology and Soils |
| <input checked="" type="checkbox"/> Greenhouse Gas Emissions | <input checked="" type="checkbox"/> Hazards and Hazardous Materials | <input type="checkbox"/> Hydrology and Water Quality |
| <input type="checkbox"/> Land Use and Planning | <input type="checkbox"/> Mineral Resources | <input type="checkbox"/> Noise |
| <input type="checkbox"/> Population and Housing | <input type="checkbox"/> Public Services | <input type="checkbox"/> Recreation |
| <input type="checkbox"/> Transportation/Traffic | <input checked="" type="checkbox"/> Tribal Cultural Resources | <input type="checkbox"/> Utilities and Service Systems |
| <input checked="" type="checkbox"/> Mandatory Findings of Significance | | |

Determination

Based on 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 to 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 potential significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

A. Mevani

Signature
Anjana Mevani

Printed Name

November 17, 2017

Date
Senior Planner

Title

Environmental Checklist

1 Aesthetics

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Substantially damage scenic resources, including but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Create a new source of substantial light or glare that would adversely affect daytime or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Setting

The project site is located at the corner of Alvarado Street and Aladdin Avenue in an urbanized, industrial area of San Leandro. The site is surrounded by other industrial and commercial facilities, including a freight shipping facility, a paper product manufacturer, and a door supplier. Surrounding development consists primarily of one- to two-story commercial and industrial buildings. Views of the project site from surrounding areas are limited as the project site is almost entirely surrounded by other industrial and commercial buildings. No scenic views are available through the project site. Views toward the hills are distant and are generally blocked by existing buildings from street-level viewpoints. The project site is not visible from the closest residences, which are approximately 1,500 feet away to the northeast, nor is the site visible from Interstate 880 (I-880) approximately 2,000 feet to the southwest. Public views are limited to those from Aladdin Avenue and Alvarado Street, both adjacent to the project site. The project site currently is developed with warehouse buildings, parking areas, and landscaping. Photographs of existing site conditions are provided in figures 3 and 4.

Impact Analysis

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

The City's 2035 General Plan Historic Preservation and Community Design Element (adopted September 2016) (Figure 8-2) identifies community design features such as significant views, major gateways, and key gateway streets. However, none of the significant view areas or major or key gateways are located on or near the project site. In addition, there are no scenic views or views of such features as the East Bay hills available from or through the site, due to the distance from such features and the intervening buildings. The project would not block significant views or other scenic vistas.

The project involves the construction of a new 159,450 square-foot, single-story building, parking, and landscape improvements next to existing warehouses and industrial facilities. The new structure would be 40 feet in height, an increase of approximately 19 feet compared to the existing onsite warehouse building adjacent to Alvarado Street and an increase of approximately 10 feet compared to the two existing onsite warehouse buildings along Aladdin Avenue (Table 2). However, as the project is not in an area of significant views or gateways and it would not block views of scenic resources or scenic vistas, there would be no impact.

NO IMPACT

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

The closest designated state scenic highway is a portion of Interstate 580 (I-580) at the northern edge of the city (Department of Transportation 2011). The project site is not visible from I-580. Although there are trees on the project site, they are typical non-native landscaping trees lacking the size or other significance to be considered scenic resources. In addition, the project includes landscaping that would increase the overall number of trees on the site. There are no other scenic resources, such as rock outcroppings, on the project site. In addition, as discussed in Section 5, *Cultural Resources*, the existing onsite buildings are not historic resources for the purpose of the California Environmental Quality Act (CEQA) compliance. The project would not damage scenic resources and would not be visible from a scenic highway. No impact would occur.

NO IMPACT

c. Would the project substantially degrade the existing visual character or quality of the site and its surroundings?

The project is located in a developed, industrially zoned part of San Leandro. The project site is currently developed with three warehouse buildings set back from the adjacent streets, parking areas, equipment and materials storage areas, loading docks, and scattered landscaping throughout. The existing buildings have generally low visual quality.

The project would change the visual quality of the site by demolishing existing buildings, removing trees, and constructing a new 159,450 square-foot, single-story building that would front Aladdin Avenue. The new structure would be 40 feet in height. The height of the new building would be 10 feet higher than the two existing onsite warehouse buildings along Aladdin Avenue and approximately 19 feet taller than the existing onsite warehouse building adjacent to Alvarado Street. The project would be constructed at a similar height to buildings adjacent to the project site, as shown in Table 2.

Table 2 Approximate Heights of Adjacent Buildings to Project Site

Building Address	Building Orientation to Project Site	Approximate Height of Building* (in feet)	Difference in Height to Project (in feet)
Proposed Project	n/a	40	n/a
2690 Alvarado St	North	25	-15
610 Aladdin Ave	East	48	+8
2777 Alvarado St	West	25	-15
2823 Alvarado St	West	21	-19
2800 Alvarado St	South	36	-4

Note: Building heights were approximated by using Google Earth.

Therefore, although the project would increase the height of onsite structures compared to current conditions, it would be consistent with heights of surrounding uses.

The project would also improve the visual quality of the project site. The project would involve replacing a vacant, dilapidated warehouse building with a visually modern office and advanced manufacturing development. The project would also increase onsite landscaping coverage by planting an additional 64 accent trees, ornamental grasses, foundation-screening planting, and streetscape landscaping throughout the site. The corner of the project site at the intersection of Alvarado Street and Aladdin Avenue would include a landscaped bioswale featuring native grasses. Currently, the existing buildings have loading docks on the southwest corner of the site on Alvarado Street (Figure 3) and on Aladdin Avenue. The project would include loading docks on the rear (southern) portion of the site, thus screening them from view. Although the project would change the surrounding visual character of the project site it would not degrade the visual character or quality of the site and its surroundings. Impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

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

The project site is in an urbanized area with relatively high levels of existing lighting. The adjacent commercial, industrial, and roadway uses generate light and glare along all sides of the property. Primary sources of light adjacent to the project site include lighting associated with the existing commercial and industrial buildings, including building mounted lighting and headlights from vehicles on nearby streets, and street lights. The primary source of glare adjacent to the project site is the sun’s reflection from metallic, glass and light-colored surfaces on buildings and on vehicles parked on adjacent streets and in adjacent parking areas.

The project would introduce new sources of lighting in the form of building-mounted lighting and parking lot lighting. Light could also be visible from the building’s proposed skylights. However, these sources of light would be similar to existing sources of lighting on the site and its surroundings and would be consistent with other uses in the area. In addition, the building-mounted lighting and parking lot lighting would be equipped with light-emitting diode (LED) lighting and all electrical designs would be compliant with California Green Building Standards (CalGreen) and Title 24 Codes. CalGreen Section 5.106.8 regulates light pollution by establishing maximum Backlight, Uplight, and Glare (BUG) ratings for light fixtures. According to the project’s photometric plan (Turtle & Hughes 2017), the lighting orientation and use of LED lighting would minimize light spillover such that

spillover would not occur past approximately 40 feet outside of the project site. There are no adjacent or nearby light-sensitive receptors that would be directly affected by lighting at the site and light would not substantially affect nighttime views. Lighting impacts would be less than significant.

Potential sources of glare associated with the project involve building materials and vehicles parked in the parking areas on the western, southern, and eastern portions of the project site. However, these sources of glare would be similar to existing sources of glare on the site and its surroundings and would be consistent with other uses in the area. Further, the project would be required to adhere to the glare standards in the City's Zoning Code Section 4-1670.D, which requires highly reflective glass not cover more than 20 percent of a building's surface visible from a street. Therefore, impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

2 Agriculture and Forestry Resources

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
--	--------------------------------	--	------------------------------	-----------

Would the project:

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a. Convert Prime Farmland, Unique Farmland, Farmland of Statewide Importance (Farmland), as shown on maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. Conflict with existing zoning for agricultural use or a Williamson Act contract? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 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))? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d. Result in the loss of forest land or conversion of forest land to non-forest use? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 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? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

-
- a. *Would the project convert Prime Farmland, Unique Farmland, 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. *Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract?*
- 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))?*
- d. *Would the project result in the loss of forest land or conversion of forest land to non-forest use?*

- 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?*

The San Leandro General Plan, General Plan land use map, and zoning maps do not identify any agriculture or forestry resources in the city (San Leandro 2016). Per the Farmland Mapping and Monitoring Program of the California Resources Agency, there are no identified prime or unique farmlands, forestry resources, or forestland in the city (California Resources Agency 2012). The project site is currently developed with three warehouse buildings and parking lots, and the project would have no impact on agriculture, forestland, or forestry resources.

NO IMPACT

3 Air Quality

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. 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 (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Setting

The project site is in the San Francisco Bay Area Air Basin (the Basin), which is under the jurisdiction of the Bay Area Air quality Management District (BAAQMD). The local air quality management agency is required to monitor air pollution levels to ensure that applicable air quality standards are met and, if they are not met, to develop strategies to meet the standards.

The Basin is in nonattainment for the federal and state standards for ozone, as well as state standards for particulate matter (PM_{2.5} and PM₁₀) and the federal standard for 24-hour PM_{2.5} (BAAQMD 2017a). As a result, local jurisdictions in the Basin are required to implement strategies to reduce pollutant levels to recognized acceptable standards or avoid or mitigate new development projects that would contribute to air pollution.

The health effects associated with criteria pollutants for which the Basin is in non-attainment are described in Table 3.

Table 3 Health Effects Associated with Non-Attainment Criteria Pollutants

Pollutant	Adverse Effects
Ozone	(1) Short-term exposures: (a) pulmonary function decrements and localized lung edema in humans and animals and (b) risk to public health implied by alterations in pulmonary morphology and host defense in animals; (2) long-term exposures: risk to public health implied by altered connective tissue metabolism and altered pulmonary morphology in animals after long-term exposures and pulmonary function decrements in chronically exposed humans; (3) vegetation damage; and (4) property damage.
Suspended particulate matter (PM ₁₀)	(1) Excess deaths from short-term and long-term exposures; (2) excess seasonal declines in pulmonary function, especially in children; (3) asthma exacerbation and possibly induction; (4) adverse birth outcomes including low birth weight; (5) increased infant mortality; (6) increased respiratory symptoms in children such as cough and bronchitis; and (7) increased hospitalization for both cardiovascular and respiratory disease (including asthma). ^a
Suspended particulate matter (PM _{2.5})	(1) Excess deaths from short- and long-term exposures; (2) excess seasonal declines in pulmonary function, especially in children; (3) asthma exacerbation and possibly induction; (4) adverse birth outcomes, including low birth weight; (5) increased infant mortality; (6) increased respiratory symptoms in children, such as cough and bronchitis; and (7) increased hospitalization for both cardiovascular and respiratory disease, including asthma. ^a

^a More detailed discussions on the health effects associated with exposure to suspended particulate matter can be found in the following documents: EPA, Air Quality Criteria for Particulate Matter, October 2004. Source: U.S. EPA, <https://www.epa.gov/criteria-air-pollutants/>

The 2017 Clean Air Plan is the most recently approved regional air quality management plan, adopted in April 2017 by the BAAQMD. This plan provides an integrated, multi-pollutant strategy to improve air quality, protect public health, and protect the climate. It is designed to provide a control strategy to reduce ozone, particulate matter, air toxics, and greenhouse gases (GHG) in a single, integrated plan. The Clean Air Plan relies on population and employment forecasts from the Association of Bay Area Governments (ABAG) to inform its management strategies. The Clean Air Plan includes Transportation Control Measures that reflect new regional investment, policies, and public input, particularly the Metropolitan Transportation Commission’s regional transportation plan (RTP), *Transportation 2035: Change in Motion*. In addition, San Leandro has a Climate Action Plan (CAP) that discusses goals for reduction of air quality pollutants and promotion of sustainable growth (San Leandro 2009).

Air Emissions Thresholds

BAAQMD recommends that lead agencies determine appropriate air quality and GHG thresholds of significance based on substantial evidence in the record. This Initial Study, with the City of San Leandro Planning Department serving as the lead agency, utilizes the BAAQMD’s significance thresholds for project operations from the May 2017 CEQA Guidelines to determine air quality impacts of the project.

Table 4 presents the BAAQMD’s May 2017 significance thresholds for construction- and operational-related criteria air pollutants and precursor emissions. These represent levels at which a project’s individual emissions of criteria air pollutants or precursors would result in a cumulatively considerable contribution to the Basin’s existing air quality conditions. For the purposes of this analysis, the project would result in a significant impact if operational emissions would exceed any of the thresholds shown in Table 4.

Table 4 BAAQMD Significance Thresholds

Pollutant/ Precursor	Construction-Related Thresholds		Operational-Related Thresholds	
	Average Daily Emissions (pounds per day)	Maximum Annual Emissions (tons per year)	Average Daily Emissions (pounds per day)	
ROG	54	10	54	
NO _x	54	10	54	
PM ₁₀	82 (Exhaust)	15	82	
PM _{2.5}	54 (Exhaust)	10	54	

Notes: ROG = reactive organic gases, NO_x = oxides of nitrogen, PM_{2.5} = fine particulate matter with an aerodynamic resistance diameter of 2.5 micrometers or less, PM₁₀ = respirable particulate matter with an aerodynamic resistance diameter of 10 micrometers or less.

Source: Table 2-1, BAAQMD 2017b

The BAAQMD recommends CO “hotspot” analysis for a project if the addition of project traffic would increase traffic volumes at affected intersections to more than 44,000 vehicles per hour. According to the Traffic Impact Study (Appendix D), no intersections would handle more than 44,000 vehicles per hour due to project-related traffic. Therefore, the project would not result in a CO “hotspot” and no intersection-specific CO modeling is required.

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

The BAAQMD has adopted several air quality policies to reduce air emissions in the Basin. In April 2017, the BAAQMD adopted its final 2017 Clean Air Plan (BAAQMD 2017a). A project would conflict with or obstruct implementation of the 2017 Clean Air Plan if it would result in substantial new regional emissions not foreseen in the air quality planning process. The 2017 Clean Air Plan assumes that development associated with general plans, specific plans, residential projects, and public facilities will be constructed in accordance with population growth projects identified by the BAAQMD. In effect, if a project is proposed in a city with a general plan that is consistent with the Clean Air Plan (i.e., it does not require a general plan amendment) then the project would be consistent with the Clean Air Plan.

The project does not involve residential uses and would not directly increase population. The project is consistent with the site’s existing industrial land use and would not require a general plan amendment. The project would not result in a substantial intensification the underlying mobile emissions assumptions contained in the 2017 Clean Air Plan. Additionally, due to its relatively modest net increase in size compared to the existing uses of the site, the project would not result in a substantial unplanned increase in employment, regional growth in vehicle miles traveled, or emissions. The current onsite developments do not have any stationary industrial sources that require BAAQMD permits. The project would not add any stationary sources subject to BAAQMD permit approval. Therefore, the project would not conflict with or obstruct implementation of the 2017 Clean Air Plan. Impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

- b. *Would the project violate any air quality standard or contribute substantially to an existing or projected air quality violation?*
- c. *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 (including releasing emissions that exceed quantitative thresholds for ozone precursors)?*
- d. *Would the project expose sensitive receptors to substantial pollutant concentrations?*

The demolition of the existing onsite development and the construction of the project would result in temporary construction emissions and long-term operational emissions. Construction and demolition activities such as the operation of construction vehicles and equipment over unpaved areas, grading, trenching, and disturbance of stockpiled soils have the potential to generate fugitive dust (PM₁₀) through the exposure of soil to wind erosion and dust entrainment. In addition, exhaust emissions associated with heavy construction equipment would potentially degrade regional air quality. Construction emissions could exceed BAAQMD significance thresholds and could expose nearby sensitive receptors to pollution.

Long-term emissions associated with operational impacts would include emissions from vehicle trips (mobile sources); natural gas and electricity use (energy sources); and landscape maintenance equipment, consumer products, and architectural coating associated with onsite development (area sources). Operational emissions could exceed BAAQMD significance thresholds and could expose nearby sensitive receptors to pollution.

The BAAQMD has developed screening criteria to provide lead agencies and project applicants with a conservative indication of whether a project could result in potentially significant air quality impacts. If all of the screening criteria are met by a project, then the lead agency or applicant would not need to perform a detailed air quality assessment of their project's air pollutant emissions. These screening levels are generally representative of new development on greenfield sites without any form of mitigation measures taken into consideration. For projects that are infill, such as the project, emissions would be less than the greenfield-type project on which the screening criteria are based (BAAQMD 2017b).

The BAAQMD's construction-related screening levels for general light industrial operations are 259,000 square feet of new buildings, an 11-acre construction footprint, or 540 new employees. For operational emissions, the minimum screening levels are 541,000 square feet of new buildings, a 72-acre construction footprint, or 1,249 new employees (BAAQMD 2017b). The BAAQMD construction-related screening level for warehouse uses is 259,000 square feet and 864,000 square feet for operational uses. For manufacturing uses, the construction screening level is 259,000 square feet and 992,000 square feet for operation. The proposed new building would be 159,450 square feet in size on a 6.9-acre parcel and would involve fewer than 540 employees (Section 13, *Population and Housing*). Therefore, the project would be below the construction and operational screening level criteria for light industry, warehouse, or manufacturing uses. According to BAAQMD, if all of the screening criteria are met by a project, then the lead agency or applicant would not need to perform a detailed air quality assessment of their project's air pollutant emissions. Since the screening criteria are met, then the project would not exceed any BAAQMD air pollutant thresholds. The project would not violate an air quality standard or contribute to an existing or projected air quality violation (question b).

As noted above, the Basin is currently nonattainment for the federal and state standards for ozone, as well as state standards for particulate matter (PM_{2.5} and PM₁₀) and the federal standard for 24-

hour PM_{2.5}. According to BAAQMD, if a project meets the screening criteria, the project would result in a less-than-significant cumulative impact to air quality from criteria air pollutant and precursor emissions. Since the project is below the operational screening level thresholds, impacts with respect to question (c) would be less than significant. The BAAQMD considers a sensitive receptor to be any facility or land use that includes members of the population who are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. If a project is likely to be a place where people live, play, or convalesce, it should be considered a receptor. It should also be considered a receptor if sensitive individuals are likely to spend a significant amount of time there. Examples of sensitive receptors include residences, schools and school yards, parks and play grounds, daycare centers, nursing homes, and medical facilities (BAAQMD 2017a).

The sensitive receptor nearest to the project site is Lincoln High School, approximately 1,300 feet (approximately 0.25 mile) to the east. As described above, the project would not generate emissions that exceed BAAQMD significance thresholds therefore nearby receptors would not be exposed to substantial pollutant concentrations. Impacts associated with question (d) would be less than significant.

If any future use would involve stationary equipment, BAAQMD permits would be required as well as compliance with all BAAQMD regulations to reduce emissions. Impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

e. Would the project create objectionable odors affecting a substantial number of people?

BAAQMD's thresholds for odors are qualitative based on BAAQMD's Regulation 7, Odorous Substances. This rule places general limitations on odorous substances and specific emission limitations on certain odorous compounds. Odors are also regulated under BAAQMD Regulation 1, Rule 1-301, Public Nuisance, which states that no person shall discharge from any source whatsoever such quantities of air contaminants or other material that cause injury, detriment, nuisance or annoyance to any considerable number of persons or the public; endanger the comfort, repose, health, or safety of any such persons or the public; or cause or have a natural tendency to cause injury or damage to business or property. Under BAAQMD's Rule 1-301, a facility that receives three or more violation notices within a 30-day period can be declared a public nuisance (San Leandro 2016f). According to BAAQMD, odors are generally regarded as an annoyance rather than a health hazard. Manifestations of a person's reaction to odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory and respiratory effects, nausea, vomiting, and headache) (BAAQMD 2017b).

Table 3-3 in the BAAQMD's 2017 CEQA Guidelines provides odor screening distances for land uses that have the potential to generate substantial odor complaints. The uses in the table include wastewater treatment plants, landfills or transfer stations, refineries, composting facilities, confined animal facilities, food manufacturing, smelting plants, and chemical plants (San Leandro 2016f). Except for food processing, none of the uses identified in the table would occur with the project. The project could involve food processing or manufacturing uses. For food processing facilities, the project screening distance is one mile. As stated previously, the closest sensitive receptor to the project site is Lincoln High School, approximately 1,300 feet to the east. Residences are also located 1,500 feet to the northeast. Therefore, there are odor sensitive receptors within one mile of the project site. Nonetheless, potential food processing activities would be enclosed inside the proposed building. Most odors would generally dissipate before reaching residences 1,300 feet away. In addition, potential future food processing activities, should they occur, would be required

to comply with BAAQMD's Regulation 7, Odorous Substances and Regulation 1, Rule 1-301, Public Nuisance. With compliance with these regulations, odors produced by the project would not affect a substantial number of people. Impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

4 Biological Resources

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Existing Setting

The project site is located in a developed industrial area in incorporated San Leandro. Almost the entire project site is covered with impervious surfaces (approximately 257,500 square feet). Ornamental landscaping and landscaping trees are present along the frontage of both Alvarado Street and Aladdin Avenue, and a small area with grasses that is used for equipment and vehicle storage is located on the eastern portion of the project site. Other landscaping trees are present along the north and west side of the warehouse located on the corner of Alvarado and Aladdin. The site experiences human disturbance during operating hours. The site also is surrounded by developed industrial uses with little to no natural vegetation or species habitat.

Impact Analysis

- a. *Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as candidate, sensitive, or special status in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service?*

The project site does not contain habitat for any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies or regulations and would not adversely affect any species, either directly or through habitat modifications (San Leandro 2016a). Mature landscaping trees are present onsite and street trees are located along Alvarado Street and Aladdin Avenue. All but two existing trees located on the sidewalk right-of-way would remain. Approximately 20 trees on the project site would be removed. These trees could contain bird nests and birds that are protected under the Migratory Bird Treaty Act (MBTA). Birds protected under the MBTA include common songbirds, waterfowl, shorebirds, hawks, owls, eagles, ravens, crows, native doves and pigeons, swifts, martins, swallows, and others, including their body parts (feathers, plumes etc.), nests, and eggs. Trees would be removed during construction. Therefore, nests could be disrupted. In addition, the street trees that would remain during construction could contain nests that are disrupted during construction. Therefore, impacts would be potentially significant without mitigation. The following mitigation measure is required to protect nesting birds.

Mitigation Measures

The following mitigation measures would be required to avoid or reduce the project's potentially significant impacts to nesting birds and special-status wildlife.

- BIO-1 Nesting Bird Surveys and Avoidance.** Construction of the project and any other site disturbing activities that would involve vegetation or tree removal, shall be prohibited during the general avian nesting season (February 1 to August 31), if feasible. If nesting season avoidance is not feasible, the applicant shall retain a qualified biologist, as approved by the City of San Leandro, to conduct a preconstruction nesting bird survey to determine the presence/absence, location, and activity status of any active nests on or adjacent to the project site. The extent of the survey buffer area surrounding the site shall be established by the qualified biologist to ensure that direct and indirect effects to nesting birds are avoided. To avoid the destruction of active nests and to protect the reproductive success of birds protected by the MBTA and California Fish and Game Code, nesting bird surveys shall be performed not more than 14 days prior to scheduled vegetation clearance and structure demolition. In the event that active nests are discovered, a suitable buffer (typically a minimum buffer of 50 feet for passerines and a

minimum buffer of 250 feet for raptors) shall be established around such active nests and no construction shall be allowed in the buffer areas until a qualified biologist has determined that the nest is no longer active (i.e., the nestlings have fledged and are no longer reliant on the nest). No ground-disturbing activities shall occur in this buffer until the qualified biologist has confirmed that breeding/nesting is completed and the young have fledged the nest. Nesting bird surveys are not required for construction activities occurring between August 31 and February 1.

Implementation of Mitigation Measure BIO-1 would ensure protection of nesting birds that may be present on the site during construction activities. These measures would reduce the potentially significant impact to special-status species to a less than significant level.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

- 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, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?*

The project site does not contain riparian habitat or sensitive natural communities as identified by the California Department of Fish and Wildlife or the United States Fish and Wildlife Service (San Leandro 2016a). There would be no impact.

NO IMPACT

- c. *Would the project have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?*

The project site does not contain federally protected wetlands as defined by Section 404 of the Clean Water Act (CWA), and would not result in the direct removal, filling, or hydrological interruption of any wetlands (U.S. Fish and Wildlife Service 2016). There would be no impact.

NO IMPACT

- 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?*

The project site does not contain hydrologically connected waters that would support native resident or migratory fish. In addition, the project site is not located in a migratory wildlife corridor (San Leandro 2016a). As the project site does not include sensitive biological resources or movement corridors, its implementation would not interfere with the movement of 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. There would be no impact.

NO IMPACT

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

Article 19, 4-1906 of the City's Zoning Code outlines the requirements for the preservation or replacement of trees on development sites. Plans submitted for approval are required to "identify all existing trees with a trunk diameter equal or greater than six (6) inches in diameter as measured

four and one-half (4 1/2) feet above existing grade.” Submitted plans must also include the species and dripline of all trees, and which trees are proposed for removal. A tree may be found to be “significant” due to size, age, or its landscape or habitat value. Significant trees may require preservation or replacement. The project would involve the removal of approximately 20 onsite trees as well as three street trees. However, these trees are non-native, ornamental landscaping trees and are not considered “significant” trees. The project would involve planting an additional 64 trees onsite. Therefore, the project would increase the number of trees compared to existing conditions. Impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

- 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?*

The project site is not located in an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan (San Leandro 2016f). Therefore, the project would not conflict with any such plan and there would be no impact.

NO IMPACT

5 Cultural Resources

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Cause a substantial adverse change in the significance of an archaeological resource as defined in §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Directly or indirectly destroy a unique paleontological resource or site or unique geological feature?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Existing Setting

Cultural resources are defined as buildings, sites, structures, or objects, each of which may have historic, architectural, archaeological, cultural, or scientific importance. Under CEQA, public agencies must consider the effects of their actions on “historical resources.” CEQA defines a “historical resource” as any resource listed in or determined to be eligible for listing in the California Register of Historical Resources (CRHR). The CRHR includes resources listed in or formally determined eligible for listing in the National Register of Historic Places (NRHP). Pursuant to Public Resources Code, Section 21084.1, a “project that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment.” Demolition, replacement, substantial alteration, and relocation of historic properties are actions that would change the significance of an historic resource (California Code of Regulations, Title 14, 15064.5).

The buildings on the project site were originally constructed in 1957 on vacant, undeveloped land. The site is currently occupied by three warehouses totaling 133,994 square feet used for general warehousing, outdoor storage, and retail activities.

a. Would the project cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?

According to the City of San Leandro’s Documented Historic Resources list, City of San Leandro Historic Resources map, and Historic Preservation and Community Design Element in the City’s General Plan, the project site and adjacent properties do not contain historic resources defined under the California Public Resources Code § 15064.5 (San Leandro 2016b). No evidence of historic

buildings, sites, structures, or objects is present on the project site or in the project vicinity. Existing onsite buildings are typical industrial and warehouse buildings with no special or unique architectural interest or known historical associations. No historic resources are present on the project site. The project would not have an impact on or result in a change in historical resources. There would be no impact.

NO IMPACT

- b. Would the project cause a substantial adverse change in the significance of an archaeological resource as defined in §15064.5?*
- c. Would the project directly or indirectly destroy a unique paleontological resource or site or unique geological feature?*

The project site is in a highly urbanized area. The site is currently developed with structures and parking areas. Although unlikely due to previous site grading and the relatively low depth of proposed excavation, during earthwork the subsurface materials would be uncovered and there is the possibility that archaeological and paleontological resources located in the soil could be unearthed. Excavation and ground-disturbing activities could potentially expose, damage, or destroy these previously undiscovered archaeological or paleontological resources. Therefore, mitigation is required.

Mitigation Measures

The following mitigation measures shall be implemented prior to and during ground-disturbing activities associated with construction onsite:

- CR-1 Archaeological Resources.** In the event that archaeological resources are discovered during construction, operations shall stop within 50 feet of the find and a qualified archaeologist shall be consulted to determine whether the resource requires further study. The project applicant shall include a standard inadvertent discovery clause in every construction contract to inform contractors of this requirement. The archaeologist shall make recommendations concerning appropriate measures that will be implemented to protect the resources, which may include, but be not limited to, excavation and evaluation of the finds in accordance with Section 15064.5 of the CEQA Guidelines. Cultural resources could consist of, but are not limited to, stone, bone, wood, or shell artifacts or features, including hearths. Any previously undiscovered resources found during construction in the project area should be recorded on appropriate Department of Parks and Recreation (DPR) 523 forms and evaluated for significance in terms of CEQA criteria.
- CR-2 Paleontological Resources.** In the event a fossil is discovered during construction of the project, excavations within 50 feet of the find shall be temporarily halted or delayed until the discovery is examined by a qualified paleontologist in accordance with Society of Vertebrate Paleontology standards. The project applicant shall include a standard inadvertent discovery clause in every construction contract to inform contractors of this requirement. If the find is determined to be significant and if avoidance is not feasible, the paleontologist shall design and carry out a data recovery plan consistent with the Society of Vertebrate Paleontology standards.

With the implementation of mitigation measures CR-1 and CR-2, any potentially significant impacts caused by the project to archaeological, paleontological, and cultural resources would be reduced to a less than significant level.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

d. Disturb any human remains, including those interred outside of formal cemeteries?

Based on the prior disturbance of the site associated with construction of the existing warehouse buildings, no interred human remains are expected to be located on the site. However, the possibility exists that human remains are located under the project site and that excavation and ground-disturbing activities could potentially uncover, damage, or destroy previously undiscovered human remains. Based on the potential to disrupt and uncover human remains, impacts are potentially significant without mitigation.

Mitigation Measure

The following mitigation measure shall be implemented during ground-disturbing construction activities on the project site:

CR-3 Human Remains. In the event of the accidental discovery or recognition of any human remains, CEQA Guidelines §15064.5, Health and Safety Code §7050.5, and Public Resources Code §5097.94 and §5097.98 shall be followed. If during the course of project development human remains are accidentally discovered or recognized, the following steps shall be taken:

- a. There shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent human remains until the County Coroner is contacted to determine if the remains are Native American and if an investigation of the cause of death is required. If the coroner determines the remains to be Native American, the coroner shall contact the Native American Heritage Commission (NAHC) within 24 hours, and the NAHC shall identify the person or persons it believes to be the “most likely descendant” (MLD) of the deceased Native American. The MLD may make recommendations to the landowner or the person responsible for the excavation work within 48 hours, for means of treating or disposing of, with appropriate dignity, the human remains and any associated grave goods as provided in PRC Section 5097.98.
- b. Where the following conditions occur, the landowner or his authorized representative shall rebury the Native American human remains and associated grave goods with appropriate dignity either in accordance with the recommendations of the most likely descendant or on the project site in a location not subject to further subsurface disturbance:
 - The NAHC is unable to identify a most likely descendent or the most likely descendent failed to make a recommendation within 48 hours after being notified by the commission.
 - The descendant identified fails to make a recommendation.
 - The landowner or his authorized representative rejects the recommendation of the descendant, and mediation by the NAHC fails to provide measures acceptable to the landowner.

With the implementation of mitigation measure CR-3, any potentially significant impacts caused by the project to human remains would be reduced to a less than significant level.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

6 Geology and Soils

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Expose people or structures to potentially substantial adverse effects, including the risk of loss, injury, or death involving:				
1. 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Strong seismic ground shaking?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Be located on a geologic unit or soil that is made unstable as a result of the project, and potentially result in on or offsite landslide, lateral spreading, subsidence, liquefaction, or collapse?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Be located on expansive soil, as defined in Table 1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Existing Setting

Geology

San Leandro is located in the United States Geological Survey's (USGS) San Leandro and Hayward Quadrangle 7.5-minute topographic map areas (USGS 1993, 2012). The area is typified by low topographic relief, with gentle slopes to the southwest in the direction of San Francisco Bay. By contrast, the San Leandro Hills that lie directly northeast of the city have more pronounced relief with elevations that approach 1,000 feet above mean sea level.

The shallow geology underlying some of San Leandro consists of Holocene alluvium with fluvial deposits associated with distributary streams such as San Leandro and San Lorenzo Creeks (USGS 2000). These sediments are frequently composed of medium dense to dense, gravelly sand or sandy gravel that often grade upward to sandy or silty clay.

Soils

The soils in San Leandro are dominated by very deep, poorly drained, fine-grained soils such as clays and silty clay loams, with lesser areas of deep, well-drained silty loam in the northeast part of the city and very deep, very poorly drained clays in the tidelands that flank the west edge of San Leandro near San Francisco Bay. The soils beneath the project site are identified as Clear Lake clay (drained) with slopes ranging from 0 to 2 percent (San Leandro 2016f).

Earthquakes

Earthquakes are the most pervasive geologic safety hazard in San Leandro. The eastern portion of the city is crossed by the Hayward fault, which has created serious and widespread damage in the city in the past. The major earthquake hazards in San Leandro are ground shaking, ground failure, and liquefaction. These hazards tend to be amplified on artificial fill and deep alluvial soils (San Leandro 2016f).

A 2008 study of earthquake probabilities by the USGS estimated that there is a 63 percent chance that a magnitude 6.7 or greater earthquake will strike the Bay Area in the next 30 years. A major earthquake could occur on the Hayward Fault, as well as the San Andreas Fault located 15 miles west of San Leandro. An earthquake of this magnitude could topple buildings, disrupt infrastructure, impact transportation systems, and trigger landslides throughout San Leandro Hills (San Leandro 2016f).

Liquefaction

Liquefaction is a phenomenon where loose, saturated, non-cohesive soils such as silts, sands, and gravels undergo a sudden loss of strength during earthquake shaking. Under certain circumstances, seismic ground shaking can temporarily transform an otherwise solid, granular material to a fluid state. Liquefaction is a serious hazard because buildings in areas that experience liquefaction may suddenly subside and suffer major structural damage. Liquefaction is most often triggered by seismic shaking, but it can also be caused by improper grading, landslides, or other factors. In dry soils, seismic shaking may cause soil to consolidate rather than flow, a process known as densification (San Leandro 2016f).

Landslides and Erosion

Landslides are relatively common in the East Bay Hills, particularly during high intensive bouts of rainfall. A majority of landslides occur naturally, however their impacts can be induced by excessive grading, improper construction, and poor drainage. The City enforces grading and erosion control ordinances to reduce erosion hazards such as landslides, siltation of streams, undermining of foundations, and loss of structures.

Lateral Spreading

Lateral spreading is horizontal/lateral ground movement of relatively flat-lying soil deposits towards a free face such as an excavation, channel, or open body of water. Typically, lateral spreading is associated with liquefaction of one or more subsurface layers near the bottom of the exposed slope. As failure tends to propagate as block failures, it is difficult to analyze and estimate where the first tension crack will form (Cornerstone 2016).

Ground Shaking

Ground shaking occurs as a result of energy released during faulting, which could potentially result in the damage or collapse of buildings and other structures, depending on the magnitude of the earthquake, the location of the epicenter, and the character and duration of the ground motion.

Regulatory Setting

California Building Code (CBC)

The CBC is Part 2 of Title 24 of the California Code of Regulations and is updated every three years. With the exception of certain enforcement provisions, the City of San Leandro adopted the CBC by reference pursuant to Title 7, Chapter 7-5, Article 1, Section 7-5-100 of the San Leandro Municipal Code (SLMC). Through the CBC, the state provides a minimum standard for building design and construction. Of particular relevance, Chapter 16 of the CBC contains specific requirements for structural (building) design, including seismic loads. Chapter 18 of the CBC includes requirements for soil testing, excavation and grading, and foundation design (San Leandro 2016f). Section 1803A requires geotechnical investigations for all new construction except for one-story, wood-frame and light steel frame buildings with 4,000 square feet or less in floor area.

San Leandro Municipal Code

Chapter 7-5, Building Code, of the SLMC adopts the 2016 California Building Code as the City's Building Code. Chapter 7-12 of the SLMC (Grading, Excavations, and Fills) includes a grading ordinance that seeks to mitigate hazards associated with erosion and land stability. The ordinance establishes requirements for grading permits, including submittal and construction requirements. An erosion and sedimentation control plan must be submitted with a grading permit application, along with a drainage plan and pollution control plan (San Leandro 2016f).

Impact Analysis

- a.1. *Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving 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?*

According to the Geotechnical Report prepared by Cornerstone Earth Group in November 2016 (included in Appendix A), the project site is not located in an Alquist-Priolo Earthquake Fault Zone and there are no known faults crossing or projecting toward the site. The closest such zone is along the Hayward Fault, approximately 2.1 miles northeast of the project site (Table 5). Therefore, ground rupture due to faulting is unlikely at the site. No impact would occur.

Table 5 Approximate Fault Distances

Fault Name	Distance (miles)
Hayward-Rodgers Creek	2.1
Calavera	10.6
Mount Diablo Thrust	13.9

Source: Cornerstone 2016

NO IMPACT

- a.2. *Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving strong seismic ground shaking?*
- a.3. *Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving seismic-related ground failure, including liquefaction?*
- c. *Would the project be located on a geologic unit that is made unstable as a result of the project, and potentially result in on or offsite landslide, lateral spreading, subsidence, liquefaction, or collapse?*

The San Francisco Bay Area region is one of the most seismically active areas in the country. While seismologists cannot predict earthquake events, the USGS’s Working Group on California Earthquake Probabilities (WGCEP) estimates the likelihood that California will experience a magnitude 8 or larger earthquake in the next 30 years is about 7.0 percent (Cornerstone 2016). The WGCEP also estimates that each region of California will experience a magnitude 6.7 or larger earthquake in the next 30 years. Additionally, there is a 63 percent chance of at least one magnitude 6.7 or greater earthquake occurring in the Bay Area region between 2007 and 2036.

The site is located in an area of relatively high seismic potential. The faults in the area are capable of generating large earthquakes that could produce strong to violent ground shaking at the project site. The active fault nearest the site is the Hayward fault, which is located approximately 2.1 miles to the northeast (Cornerstone 2016).

The project site is also in a state-designated Liquefaction Hazard Zone (Cornerstone 2016). The factors known to influence liquefaction potential include grain size, relative density, groundwater conditions, effective confining pressures, and intensity and duration of ground shaking. Loose, saturated, near-surface, cohesionless soils exhibit the highest liquefaction potential, while dense, cohesionless soils and cohesive soils exhibit low to negligible liquefaction potential. Liquefaction at the project site would likely result in settlement of the ground surface. Liquefaction could also result in excessive settlement of improperly designed foundations and possible lateral spreading, which could damage the new development.

According to the City’s 2035 General Plan EIR, most of San Leandro is not located atop unstable geologic materials that are prone to subsidence, lateral spreading, or collapse (San Leandro 2016f). The Geotechnical report did not identify such hazards for the project site. The report indicated that

there are no open faces located within 500 feet of the site. Therefore, the potential for lateral spreading to affect the site is low. In addition, the project site is generally flat, and would not be subject to offsite landslides. However, the report indicated there is a potential for liquefaction of localized sand layers at the project site during a significant seismic event, which could result in loss, injury, or death to project site personnel. Therefore, impacts are potentially significant without mitigation. Nonetheless, the report concluded that from a geotechnical viewpoint, the project is feasible provided the considerations included in Mitigation Measure GEO-1 below are addressed in the project design.

Mitigation Measures

The following mitigation measure shall be implemented prior to and during project construction:

GEO-1 Geotechnical Considerations. The project applicant shall implement all measures and recommendations set forth in the Geotechnical Study prepared by Cornerstone Earth Group in November 2016. These include but are not limited to:

- Foundations designed to tolerate total and differential settlement
- Remedial grading must include over-excavation and re-compaction of undocumented fill inside the building footprint
- Slabs-on-grade should have sufficient reinforcement and be supported on a layer of non-expansive fill
- Footings should extend below the zone of seasonal moisture fluctuation
- Limit moisture in surficial soils by using positive drainage away from buildings as well as limiting landscaping watering
- Special requirements for corrosion control must be made to protect metal pipes

A project geotechnical engineer must be present during construction activities to provide geotechnical observation and testing during earthwork and foundation construction to determine compliance with project plans and mitigation.

Pursuant to the 2016 Geotechnical Report for the project (Appendix A), provided the recommendations presented in the report are complied with and implemented during design and construction, construction of the project would not create hazards related to site geology or soils and the effects of liquefaction induced settlement on the proposed structure would be mitigated. Therefore, with implementation of Mitigation Measure GEO-1, the potentially significant impact associated with ground shaking and liquefaction would be reduced to a less than significant level.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

a.4. Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving landslides?

The project site and surroundings are generally level, and no steep slopes are located near the project. Therefore, there is no potential for landslides at the site. No impact would occur.

NO IMPACT

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

Construction of the project would require earthwork activities during the demolition of existing onsite buildings and the construction of the development. As the project would disturb over one acre of land, the applicant would be required to obtain coverage under the General Permit for Discharges of Storm Water Associated with Construction Activity (Construction General Permit Order 2009-0009-DWQ or 2009-0009-DWQ General Permit) to comply with CWA National Pollutant Discharge Elimination System (NPDES) requirements. Compliance with these requirements would include preparation of a Storm Water Pollution Prevention Plan (SWPPP), which would specify Best Management Practices (BMP) to quickly contain and clean up any accidental spills or leaks. In accordance with SLMC Section 7-12-230, the project applicant is required to prepare and implement an erosion and sedimentation control plan and a drainage plan. The plans would be required to include interim erosion and sedimentation control measures (such as containment structures or control devices) to be taken during wet seasons until permanent erosion and sedimentation control measures can adequately minimize erosion, excessive stormwater runoff, and sedimentation (containment structures, overhead coverage, control devices). With required implementation of these plans and BMPs, substantial erosion or the loss of top soil would not occur at the project site. Impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

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

The Geotechnical Report found the project site to have moderately expansive soil in the surficial soils that blanket the site (Cornerstone 2016). Expansive soils can undergo significant volume change with changes in moisture content. They shrink and harden when dried and expand and soften when wetted. Therefore, the onsite expansive soils may create a risk to life or property. This impact is potentially significant. However, Mitigation Measure GEO-1 includes geotechnical considerations that would reduce risks associated with expansive soils. Therefore, implementation of Mitigation Measure GEO-1 would reduce the potentially significant impact associated with expansive soils to a less than significant level.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

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

The project would not include components that would require the use of septic tanks. The project site and facilities are already connected to the City of San Leandro's municipal sewer system, as would be the project. There would be no impact.

NO IMPACT

7 Greenhouse Gas Emissions

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Conflict with any applicable plan, policy, or regulation adopted for the purposes of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Existing Setting

Climate Change and Greenhouse Gases

Climate change is the observed increase in the average temperature of the earth’s atmosphere and oceans along with other substantial changes in climate (such as wind patterns, precipitation, and storms) over an extended period of time. The term “climate change” is often used interchangeably with the term “global warming,” but “climate change” is preferred to “global warming” because it helps convey that there are other changes in addition to rising temperatures. The baseline against which these changes are measured originates in historical records identifying temperature changes that have occurred in the past, such as during previous ice ages. The global climate is continuously changing, as evidenced by repeated episodes of substantial warming and cooling documented in the geologic record. The rate of change has typically been incremental, with warming or cooling trends occurring over the course of thousands of years. The past 10,000 years have been marked by a period of incremental warming, as glaciers have steadily retreated across the globe. However, scientists have observed acceleration in the rate of warming during the past 150 years. Per the United Nations Intergovernmental Panel on Climate Change (IPCC), the understanding of anthropogenic warming and cooling influences on climate has led to a high confidence (95 percent or greater chance) that the global average net effect of human activities has been the dominant cause of warming since the mid-twentieth century (IPCC 2014).

Gases that absorb and re-emit infrared radiation in the atmosphere are called greenhouse gases (GHGs). The gases that are widely seen as the principal contributors to human-induced climate change include carbon dioxide (CO₂), methane (CH₄), nitrous oxides (N₂O), fluorinated gases such as hydrofluorocarbons (HFCs) and perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆). Water vapor is excluded from the list of GHGs because it is short-lived in the atmosphere and its atmospheric concentrations are largely determined by natural processes, such as oceanic evaporation.

GHGs are emitted by both natural processes and human activities. Of these gases, CO₂ and CH₄ are emitted in the greatest quantities from human activities. Emissions of CO₂ are largely by-products of fossil fuel combustion, whereas CH₄ results from off-gassing associated with agricultural practices

and landfills. Observations of CO₂ concentrations, globally averaged temperature, and sea level rise are generally well within the range of the extent of the earlier IPCC projections. The recently observed increases in CH₄ and N₂O concentrations are smaller than those assumed in the scenarios in the previous assessments. Each IPCC assessment has used new projections of future climate change that have become more detailed as the models have become more advanced.

Man-made GHGs, many of which have greater heat-absorption potential than CO₂, include fluorinated gases and SF₆ (California Environmental Protection Agency [CalEPA] 2006). Different types of GHGs have varying global warming potentials (GWPs). The GWP of a GHG is the potential of a gas or aerosol to trap heat in the atmosphere over a specified timescale (generally, 100 years). Because GHGs absorb different amounts of heat, a common reference gas (CO₂) is used to relate the amount of heat absorbed to the amount of the gas emissions, referred to as “carbon dioxide equivalent” (CO₂e), and is the amount of a GHG emitted multiplied by its GWP. CO₂ has a 100-year GWP of one. By contrast, CH₄ has a GWP of 25, meaning its global warming effect is 25 times greater than carbon dioxide on a molecule per molecule basis (IPCC 2007).

The accumulation of GHGs in the atmosphere regulates the earth’s temperature. Without the natural heat trapping effect of GHGs, Earth’s average temperature would be near 0°F (NASA 1998). However, it is believed that emissions from human activities, particularly the consumption of fossil fuels for electricity production and transportation, have elevated the concentration of these gases in the atmosphere beyond the level of naturally occurring concentrations.

The vast majority of individual projects do not generate sufficient GHG emissions to directly influence climate change. However, physical changes caused by a project can contribute incrementally to cumulative effects that are significant, even if individual changes resulting from a project are limited. The issue of climate change typically involves an analysis of whether a project’s contribution towards an impact would be cumulatively considerable. “Cumulatively considerable” means that the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, other current projects, and probable future projects (CEQA Guidelines, Section 15064[h][1]).

California Regulations

California Air Resources Board (CARB) is responsible for the coordination and oversight of state and local air pollution control programs in California. California has numerous regulations aimed at reducing the state’s GHG emissions. A few of these initiatives are highlighted below.

California’s major initiative for reducing GHG emissions is outlined in Assembly Bill 32 (AB 32), the “California Global Warming solutions Act of 2006,” signed into law in 2006. AB 32 codifies the statewide goal of reducing GHG emissions to 1990 levels by 2020 (essentially a 15 percent reduction below 2005 levels, the same requirement as under S-3-05), and requires CARB to prepare a Scoping Plan that outlines the main state strategies for reducing GHGs to meet the 2020 deadline. In addition, AB 32 requires CARB to adopt regulations to require reporting and verification of statewide GHG emissions.

After completing a comprehensive review and update process, CARB approved a 1990 statewide GHG level and 2020 limit of 427 MMT CO₂e. The Scoping Plan was approved by CARB on December 11, 2008, and included measures to address GHG emission reduction strategies related to energy efficiency, water use, and recycling and solid waste, among other measures. Many of the GHG reduction measures included in the Scoping Plan (e.g., Low Carbon Fuel Standard, Advanced Clean Car standards, and Cap-and-Trade) have been adopted since approval of the Scoping Plan.

Implementation activities are ongoing and CARB has recently published an update to its Scoping Plan in January 2017.

In May 2014, CARB approved the first update to the AB 32 Scoping Plan. The 2013 Scoping Plan update defines CARB's climate change priorities for the next five years and sets the groundwork to reach post-2020 goals set forth in EO S-3-05. The update highlights California's progress toward meeting the "near-term" 2020 GHG emission reduction goals defined in the original Scoping Plan. It also evaluates how to align the state's longer-term GHG reduction strategies with other state policy priorities, such as for water, waste, natural resources, clean energy and transportation, and land use (CARB 2014).

Senate Bill (SB) 97, signed in August 2007, acknowledges that climate change is an environmental issue that requires analysis in CEQA documents. In March 2010, the California Resources Agency (Resources Agency) adopted amendments to the state CEQA Guidelines for the feasible mitigation of GHG emissions or the effects of GHG emissions. The adopted guidelines give lead agencies the discretion to set quantitative or qualitative thresholds for the assessment and mitigation of GHGs and climate change impacts.

Senate Bill (SB) 375, signed in August 2008, enhances the state's ability to reach AB 32 goals by directing CARB to develop regional GHG emission reduction targets to be achieved from passenger vehicles for 2020 and 2035. In addition, SB 375 directs each of the state's 18 major Metropolitan Planning Organizations (MPO) to prepare a "sustainable communities strategy" (SCS) that contains a growth strategy to meet these emission targets for inclusion in the RTP. On September 23, 2010, CARB adopted final regional targets for reducing GHG emissions from 2005 levels by 2020 and 2035.

In September 2016, SB 32 was signed into law, formally codifying the 40 percent GHG emission reduction target adopted by Governor Brown in April 2015 through an executive order (B-30-15) into California legislation. SB 32 became effective on January 1, 2017 and requires the CARB to develop technologically feasible and cost effective regulations to achieve the targeted 40 percent GHG emission reduction. The CARB is currently working to update the Scoping Plan to provide a framework for achieving the 2030 target. The CARB Scoping Plan Update has not yet been adopted and the Board Hearing for the 2030 Draft Scoping Plan was originally scheduled for June 22, 2017 but has been postponed indefinitely. The Scoping Plan is expected to be adopted in 2017.

BAAQMD Clean Air Plan

As detailed in the Air Quality section of this IS-MND, the Bay Area 2017 Clean Air Plan (2017 Plan) provides a regional strategy to protect public health and protect the climate. Consistent with the GHG reduction targets adopted by the state, the 2017 Plan lays the groundwork for a long-term effort to reduce Bay Area GHG emissions 40 percent below 1990 levels by 2030 and 80 percent below 1990 levels by 2050 (BAAQMD 2017a).

San Leandro Climate Action Plan

The City of San Leandro's Climate Action Plan (CAP) is based on the Local Governments for Sustainability (ICLEI) 5-Milestone process, which include conducting an inventory of city-wide greenhouse gas emissions, setting a reduction target/goal, establishing a CAP, implementing a CAP, and monitoring and evaluating progress. The vision of the CAP is to guide San Leandro towards a sustainable future that reduces greenhouse gas emissions from current levels, while promoting economic prosperity for present and future generations. The CAP seeks to both document the various programs San Leandro has accomplished since 2005, as well as consider new programs and

actions that may be implemented to meet the City's greenhouse gas reduction target of 25 percent below 2005 emissions levels by 2020 (San Leandro 2009).

Thresholds

For the purposes of this analysis, the City of San Leandro has determined the GHG emissions thresholds contained in the BAAQMD's May 2017 *CEQA Air Quality Guidelines* are the appropriate thresholds to use. As discussed under Section 3, *Air Quality*, the BAAQMD developed screening criteria to provide lead agencies and project applicants with a conservative indication of whether a project could result in potentially significant GHG impacts. If all of the screening criteria are met by a project, then the lead agency or applicant would not need to perform a detailed GHG assessment of their project's GHG emissions (BAAQMD 2017b).

The BAAQMD's operational GHG screening level for warehouse land uses is 64,000 square feet, for general light industry is 121,000 square feet, and for manufacturing is 89,000 (BAAQMD 2017b). Since the project involves almost 150,000 square feet, the project exceeds the screening level and a detailed GHG assessment is required. The BAAQMD *CEQA Air Quality Guidelines* has a bright line threshold of 1,100 MT of CO₂e per year. This threshold is based on attaining the 2020 goal for AB 32. The project is expected to be operational by 2020. Therefore, BAAQMD's May 2017 thresholds, which are consistent with the AB 32 2020 targets, are considered appropriate.

Methodology

The California Emissions Estimator Model (CalEEMod) version 2016.3.1 was used to calculate the total and new emissions for the project, which include construction and net new operational emissions. Net new operational emissions include the project emissions minus existing onsite uses emissions. This methodology is recommended by the California Air Pollution Control Officers Association (CAPCOA) CEQA and Climate Change white paper (CAPCOA 2008). The analysis focuses on CO₂, N₂O, and CH₄ as these are the GHG emissions that onsite development would generate in the largest quantities. Fluorinated gases, such as HFCs, PFCs, and SF₆, were also considered for the analysis as they are primarily associated with industrial processes. Calculations were based on the methodologies discussed in the CAPCOA white paper and included the use of the California Climate Action Registry (CCAR) General Reporting Protocol (CCAR 2009).

Operational emissions for project were modeled using CalEEMod and compared to the BAAQMD thresholds. CalEEMod provides operational emissions of CO₂, N₂O, and CH₄. Emissions from energy use include electricity and natural gas use. The emissions factors for natural gas combustion are based on the U.S. EPA's AP-42 (Compilation of Air Pollutant Emissions Factors) and CCAR. Electricity emissions are calculated by multiplying the energy use times the carbon intensity of the utility district per kilowatt hour (CAPCOA 2016). The default electricity consumption values in CalEEMod include the CEC-sponsored California Commercial End Use Survey (CEUS) and Residential Appliance Saturation Survey (RASS) studies.

Emissions associated with area sources, including consumer products, landscape maintenance, and architectural coating were calculated in CalEEMod and utilize standard emission rates from CARB, U.S. EPA, and emission factor values provided by the local air district (CAPCOA 2016).

Emissions from waste generation were also calculated in CalEEMod and are based on the IPCC's methods for quantifying GHG emissions from solid waste using the degradable organic content of waste (CalEEMod User Guide 2016). Waste disposal rates by land use and overall composition of

municipal solid waste in California was primarily based on data provided by the California Department of Resources Recycling and Recovery (CalRecycle).

Emissions from water and wastewater usage calculated in CalEEMod were based on the default electricity intensity from the CEC's 2006 Refining Estimates of Water-Related Energy Use in California using the average values for Northern and Southern California.

For mobile sources, CO₂ and CH₄ emissions were quantified in CalEEMod. Because CalEEMod does not calculate N₂O emissions from mobile sources, N₂O emissions were quantified using the California Climate Action Registry General Reporting Protocol (CCAR 2009) direct emissions factors for mobile combustion (Appendix C). Estimates of vehicle trips associated with the proposed development are based on trip generation rates from the project Traffic Impact Analysis (Appendix F), which developed trip generation rates based on the *Institute of Transportation Engineers 9th Edition Trip Generation Manual*. The estimate of total daily trips was calculated and extrapolated to derive total annual mileage in CalEEMod. Emission rates for N₂O emissions were based on the vehicle mix output generated by CalEEMod and the emission factors found in the California Climate Action Registry General Reporting Protocol.

Construction Emissions

CalEEMod was used to estimate emissions associated with the construction period. Construction of the project would generate temporary GHG emissions primarily due to the operation of construction equipment and truck trips. Site preparation and grading typically generate the greatest amount of emissions due to the use of grading equipment and soil hauling. Although construction activity is addressed in this analysis, CAPCOA does not discuss whether any of the suggested threshold approaches adequately address impacts from temporary construction activity. As stated in the CEQA and Climate Change white paper, "more study is needed to make this assessment or to develop separate thresholds for construction activity" (CAPCOA 2008). The BAAQMD does not have adopted thresholds of significance for construction-related GHG emissions. However, BAAQMD recommends that lead agencies quantify and disclose GHG emissions that would occur during construction.

Impact Analysis

- a. *Would the project generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?*

Construction Emissions

As discussed above, BAAQMD does not have thresholds of significance for construction-related GHG Emissions. Nonetheless, emissions are estimated in CalEEMod and disclosed per BAAQMD recommendations. Emissions of metric tons (MT) of CO₂e generated by construction of the project are estimated at 370 MT of CO₂e.

Operational Indirect and Stationary Direct Emissions

Long-term emissions relate to area sources, energy use, solid waste, water use, and transportation. Each of the operational sources of emissions is discussed further below. Operational emissions for both the project and existing onsite uses were modeled using CalEEMod. Net new operational emissions (project emissions minus existing onsite uses emissions) were compared to the BAAQMD thresholds.

Area Source Emissions

CalEEMod was used to calculate direct sources of air emissions associated with the project. These include consumer product use and landscape maintenance equipment. Area emissions associated with project and existing use are estimated at <0.1 MT of CO₂e per year.

Energy Use Emissions

Operation of the project would consume both electricity and natural gas. The generation of electricity through combustion of fossil fuels emits CO₂, and to a smaller extent, N₂O and CH₄. The project would generate approximately 588 MT of CO₂e per year associated with overall energy use, of which approximately 375 MT of CO₂e per year is due to electricity consumption and approximately 213 MT of CO₂e per year is due to natural gas use. By comparison, the existing use generates approximately 24 MT of CO₂e per year, of which 22 MT of CO₂e per year is due to electricity consumption and 2 MT of CO₂e per year is due to natural gas use.

Solid Waste Emissions

The project would, at a minimum, be required to comply with AB 939 and AB 341, which would increase waste diversion to 75 percent by 2020. However, CalEEMod only accounts for a 50 percent diversion rate associated with AB 939. Therefore, based on a conservative estimate of only a 50 percent reduction in waste diversion, solid waste associated with the project would generate about 99 MT of CO₂e per year, while the existing onsite use generates approximately 9 MT of CO₂e per year.

Water Use Emissions

Based on the amount of electricity generated in order to supply and convey water for the project, the project would generate an estimated 14 MT of CO₂e per year, the same as the existing use.

Transportation Emissions

Mobile source GHG emissions were estimated using the trip generation rates from the Traffic Study. These trip rates were added to CalEEMod as well as credits for proximity to downtown and transit. The project would generate about 1.69 million annual VMT. CalEEMod does not calculate N₂O emissions related to mobile sources. As such, N₂O emissions were calculated based on the project's VMT using calculation methods provided by the California Climate Action Registry General Reporting Protocol (January 2009). The project would emit an estimated 825 MT of CO₂e per year from mobile sources.

Combined Emissions

Table 6 combines the operational and mobile GHG emissions associated with the project as well as the existing land use. The net increase in annual emissions would total approximately 1,391 MT of CO₂e per year. These emissions exceed the 1,100 MT of CO₂e per year BAAQMD threshold. Since GHG emissions would exceed the BAAQMD threshold, impacts are potentially significant without mitigation.

Table 6 Project Greenhouse Gas Emissions

Emission Source	Proposed Project (MT CO ₂ e/year)	Existing Land Use (MT CO ₂ e/year)*
Operational		
Area	<0.1	(<0.1)
Energy	588	(24)
Solid Waste	99	(9)
Water	14	(14)
Mobile		
CO ₂ and CH ₄	790	(84)
N ₂ O	35	(4)
Total	1,526	(135)
Net Increase		1,391
BAAQMD Threshold		1,100
Significant Impact?		Yes

See Appendix B for CalEEMod worksheets, Table 2.2 "Overall Operational - Unmitigated Operational"

() denotes subtraction

* Estimates for existing onsite uses only take into account the occupied portion of the project site. Therefore, this analysis is conservative.

Mitigation Measures

Implementation of Mitigation Measure GHG-1 would reduce potential impacts associated with GHG emissions to a less than significant level.

GHG-1 GHG Reduction Plan. The project applicant shall reduce operational GHG emissions through implementation of one or both of the following:

- a. Prior to building permit issuance, develop a project GHG Reduction Plan that reduces annual GHG emissions from the project to below 1,100 MT CO₂e per year over the operational life of the project. The plan shall list reduction measures that will be implemented by the project and quantify total operational emissions associated with the project. City staff shall verify the measures are included in site plans and that, with implementation, emissions would be below 1,100 MT CO₂e per year. The plan will be implemented onsite by the project applicant and may include, but not be limited to, the following components:
 1. Charging stations for alternative fuel vehicles
 2. Energy and water efficient equipment, appliances, heating, and cooling
 3. Energy efficient lighting
 4. Water conservation and recycling
 6. Renewable energy production
 7. Trip reduction (e.g., employee ridesharing, vanpool/shuttle)
 8. Carbon sequestration
 9. Recycling and composting of solid waste

and/or

- b. If annual GHG emissions cannot be fully reduced to below 1,100 MT CO₂e per year through compliance with a project GHG Reduction Plan, the applicant shall purchase carbon offsets to reduce GHG emissions below threshold levels.

Implementation of Mitigation Measure GHG-1 would reduce GHG-related impacts. As demonstrated in Table 7, although the GHG Reduction Plan could include a mix of options, providing renewable energy production such as solar panels onsite to provide 50 percent of energy needs, exceeding Title 24 energy requirements by 5 percent, installing high-efficiency lighting, implementing an employee trip reduction program, and reducing solid waste disposal by 50 percent would reduce the project’s net new GHG emissions to below 1,100 MT of CO₂e per year.

Table 7 Project Greenhouse Gas Emissions with Mitigation

Emission Source	Proposed Project with Mitigation (MT CO ₂ e/year)	Existing Land Use (MT CO ₂ e/year)
Operational		
Area	<0.1	(<0.1)
Energy	387	(24)
Solid Waste	50	(9)
Water	14	(14)
Mobile		
CO ₂ and CH ₄	735	(84)
N ₂ O	32	(4)
Total	1,218	(135)
Net Increase		1,083
BAAQMD Threshold		1,100
Significant Impact?		No

See Appendix B for CalEEMod worksheets, Table 2.2 “Overall Operational - Mitigated Operational”

() denotes subtraction

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

- b. *Would the project conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?*

BAAQMD’s approach to developing their screening criteria for GHG emissions is to identify the emissions level for which a project would not be expected to substantially conflict with existing California legislation adopted to reduce statewide GHG emissions needed to move towards climate stabilization. If a project would generate GHG emissions above the screening criteria level, it would be considered to contribute substantially to a cumulative impact, and would be considered significant. Thus, if a project is less than BAAQMD’s screening criteria for GHG, it stands to reason that the project would not substantially conflict with existing California legislation adopted to reduce statewide GHG emissions.

In addition, San Leandro’s CAP discusses goals for the reduction of air quality pollutants and promoting sustainable growth (San Leandro 2009). One goal from the CAP is to improve energy efficiency and reduce costs of energy upgrades for existing commercial and industrial properties (Goal 3.2). Goal 3.4 seeks to promote green building practices in both the new construction and

remodel market. Other goals seek to encourage development that promotes walkable communities and accommodate alternative, environmentally friendly methods of transportation, such as walking and bicycling (Goal 4.1 and Goal 4.3). The project involves the demolition of three warehouse-type buildings built between 1957 and 1963 and the construction of a modern, more energy-efficient office and advanced manufacturing development. Employees traveling to and from the site would also be able to utilize alternative transportation. The free San Leandro LINKS shuttle service connects to the downtown San Leandro Bay Area Rapid Transit (BART) station and has stops located on Alvarado Street one-block in either direction from the project site (See section 16, *Transportation*, for additional information on transit service). Therefore, the project is generally consistent with the goals and policies in the CAP. With implementation of Mitigation Measure GHG-1, the project would further reduce GHG emissions by including renewable energy or other measures that would ensure consistency with CAP measures. Impacts associated with conflicting with any applicable plan, policy, or regulation of an agency adopted for reducing the emissions of GHG would be less than significant with mitigation.

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8 Hazards and Hazardous Materials

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
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Would the project:

a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within 0.25 mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Be located on a site that is included on a list of hazardous material 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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. For a project located in 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 for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
g. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. Expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Existing Setting

The hazards and hazardous materials information presented in this section is based on the Phase I and Limited Phase II Environmental Site Assessment (ESA) prepared by WSP dated September 29, 2016 (Appendix C to this Initial Study).

The project site was originally developed by Sherwin Williams in 1957 on vacant, undeveloped land. Sherwin Williams operated as a metal can manufacturing facility from 1957 to 1983, when the facility was sold to U.S. Can Company, which continued to operate as a metal can manufacturing facility (WSP 2017). Previous operations conducted by Sherwin Williams and U.S. Can Company included lithographing, solvent cleaning, painting, assembly, lead soldering, drum mixing, and storage. Previous chemicals used and stored by Sherwin Williams and U.S. Can Company included lead compounds, chromium compounds, paints, alcohols and ketones (including isopropanol and methyl ethyl ketone), formaldehyde, butanol, isophorene, melamine, methyl chloride, 1, 1, 1-trichloroethane (TCA), xylene, ethylbenzene, tetrachloroethylene (PCE), and petroleum hydrocarbons.

Soil and groundwater investigations and remedial activities performed at the project site pursuant to an Order issued by the Department of Toxic Substances Control (DTSC) in 1996 to the former operators and current property owner resulted in the removal and reduction of hazardous constituents at the subject property with the DTSC subsequently concluding that soil contamination at the site was sufficiently addressed (WSP 2017). Additionally, DTSC noted that a review of historical data did not confirm a significant release at the project site and that VOCs migrating onto the project site were from upgradient sources associated with a regional groundwater plume, known as the DWA Plume. In May 2006, DTSC notified the parties under the 1996 Order that their obligations under the Order were terminated and that the existing onsite monitoring wells would need to remain in order to provide DTSC with access to monitor groundwater conditions associated with the regional groundwater plume. On May 16, 2017, DTSC agreed to the proper closure of four of the six monitoring wells onsite (DTSC 2017). The two monitoring wells retained onsite (MW-2 and MW-6) will be used by DTSC for continued monitoring of the regional DWA Plume.

Based on the documented groundwater contamination near the project site as a result of the DWA plume, WSP recommended soil gas sampling to evaluate the potential vapor migration risks (WSP

2017). Analytical results from the soil gas sampling event conducted on September 19, 2016, indicated VOCs were detected for all five soil gas probes above laboratory reporting limits. However, all soil gas sample results were below the commercial/industrial Environmental Screening Levels (ESLs) for soil gas vapors below the building slab or sub-slab. With the exception of PCE results in three soil gas probes, all soil gas sample results were below the residential ESLs.

Impact Analysis

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

Construction Activities

The project would involve the the construction of a new 159,450-square-foot, single-story building, parking, and landscape improvements. Construction activities may include the temporary transport, storage, use, or disposal of potentially hazardous materials including fuels, lubricating fluids, cleaners, solvents, or contaminated soils. If spilled, these substances could pose a risk to the environment and to human health. However, the transport, storage, use, or disposal of hazardous materials would be subject to federal, state, and local regulations pertaining to the transport, use, storage, and disposal of hazardous materials, which would assure that risks associated with hazardous materials are minimized. The transport of any hazardous materials would be subject to federal, state, and local regulations, which would assure that risks associated with the transport of hazardous materials are minimized. In addition, construction activities that transport hazardous materials would be required to transport such materials along designated roadways in the city, thereby limiting risk of upset.

Implementation of the project would require demolition of three warehouse type buildings, which due to their age (built between 1957 and 1963), may contain asbestos, PCBs, and/or lead-based paint. Structures built before the 1970s typically contained asbestos containing materials (ACM). Because the building was constructed before the time of the federal ban on the manufacture of PCBs, it is possible that light ballasts in the onsite building contains PCBs. Demolition of this structure could result in health hazard impacts to workers if not remediated prior to construction activities. However, demolition and construction activities would be required to adhere to BAAQMD Regulation 11, Rule 2, which governs the proper handling and disposal of ACM for demolition, renovation, and manufacturing activities in the Bay Area, and California Occupational Safety and Health Administration (CalOSHA) regulations regarding lead-based materials. The California Code of Regulations, §1532.1, requires testing, monitoring, containment, and disposal of lead-based materials, such that exposure levels do not exceed CalOSHA standards. DTSC has classified PCBs as a hazardous waste when concentrations exceed 50 parts per million in non-liquids, and the DTSC requires that materials containing those concentrations of PCBs be transported and disposed of as hazardous waste. Any light ballast that is removed would be evaluated for the presence of PCBs and managed appropriately. With adherence to BAAQMD, CalOSHA, and DTSC policies regarding ACM, lead-based paint, and PCBs, impacts would be less than significant.

As the project would disturb over one acre of land, the applicant would be required to obtain coverage under the General Permit for Discharges of Storm Water Associated with Construction

Activity (Construction General Permit Order 2009-0009-DWQ) to comply with CWA NPDES requirements. Compliance with these requirements would include preparation of a SWPPP, which would specify BMPs to quickly contain and clean up any accidental spills or leaks. Therefore, the potential for an accidental release of hazardous materials to harm the public or the environment would be minor.

Operational Uses

Future uses associated with the new building could involve warehouse activities, advanced manufacturing, logistics, food processing, or other uses allowed in the IG zone. These future uses could involve the use, storage, disposal or transportation of hazardous materials. These materials would not be substantially different from commercial and industrial chemicals and solvents already in general and wide use throughout the region and project area. The area is an industrial area and the project would be consistent with nearby industrial, manufacturing, and warehouses uses. As with any commercial, industrial, or manufacturing activities that involve the storage and use of hazardous materials, onsite activity involving hazardous substances (such as the petrochemicals, polymers, and basic inorganics described above), and the transport, storage, handling of these substances, must adhere to applicable local, state, and federal safety standards, ordinances, or regulations, including a Hazardous Materials Business Plan (HMBP). Businesses that are engaged in the use, sale, storage, or transport of hazardous substances are monitored by various local (e.g., San Leandro Environmental Services Section and the Alameda County Fire Department) and state (e.g., DTSC and California Occupational Safety and Health Administration) entities. Cal-OSHA is responsible for developing and enforcing workplace safety regulations. Both federal and state laws include special provisions/training in safe methods for handling any type of hazardous substance. These regulations ensure that potential hazards associated operational activities do not create a significant hazard to the public. Future uses would be required to store hazardous materials in designated areas designed to prevent accidental release into the environment. Potentially hazardous waste produced during operation would also be collected, stored and disposed of in accordance with applicable laws and regulations.

Compliance with existing laws and regulations governing the transport, use, release and storage of hazardous materials and wastes including the required SWPPP and HMBP, would reduce impacts related to exposure of the public or environment to hazardous materials to less than significant.

LESS THAN SIGNIFICANT IMPACT

- c. *Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within 0.25 mile of an existing or proposed school?*

The project site is located approximately 1,300 feet (approximately 0.25 miles) east of Lincoln High School, a public continuation school for tenth through twelfth grade. Although within a 0.25-mile of an existing school, as described under parts (a) and (b), the project's construction and operation are subject to applicable federal, state, and local regulations to minimize the release of hazardous materials into the environment. Therefore, through adherence to applicable regulations, impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

- d. *Would the project be located on a site included on a list of hazardous material 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?*

According to the Phase I and II ESA, the project site was previously contaminated by total petroleum hydrocarbons, volatile organic compounds (VOCs) and semi-volatile organic compounds (WSP 2017). Therefore, construction operations on the project site that disturb soil could result in exposure of construction workers or the environment to hazards. In addition, should contaminated soil remain onsite after construction, soil vapor intrusion in the building could occur, exposing future workers to health hazards.

However, as discussed in the Existing Setting above, the soil contamination onsite was sufficiently removed in 1996. All 2016 soil gas sample results were below the commercial/industrial ESLs for soil gas vapors below building slab or sub-slab. Based on the soil gas results, WSP concluded that the potential vapor intrusion is very low soil vapor mitigation measures were not needed to reduce potential impacts. This indicates that the presence of contamination is not at levels that would expose potential future onsite employees to significant hazards.

Six monitoring wells are currently present on the project site. The data taken from the groundwater monitoring wells are used by DTSC to ensure ongoing protection of human health from the DWA plume over time. By monitoring the wells, they can make sure that the groundwater contamination does not migrate, or if it does, they can take action to protect nearby occupants and sensitive receptors from hazardous exposures. As discussed in the Existing Setting above, the DTSC agreed to the decommissioning of four of the six monitoring wells onsite (DTSC 2017). The two monitoring wells to be left onsite are located along Alvarado Street in what would be the parking lot of the project. As such, DTSC would be able to maintain access to these wells after development of the project. The two monitoring wells will be used by DTSC to collect groundwater elevation data and groundwater samples for continued monitoring of the regional DWA plume. The following mitigation measure would be required to maintain the integrity of the monitoring wells during construction and site use and permit DTSC access to the wells for ongoing monitoring of the regional DWA groundwater plume.

Mitigation Measures

The following mitigation measure shall be implemented prior to and during ground-disturbing activities associated with construction onsite:

HAZ-1 Monitoring Wells Protection and Access. The project applicant shall ensure the two monitoring wells that will remain on the project site must remain intact and undamaged during construction activities of the project. The two monitoring wells must also remain accessible to the DTSC for future testing.

Implementation of Mitigation Measure HAZ-1 would ensure the wells that monitor the existing regional plume would remain and DTSC access would continue. This would allow DTSC to monitor the regional DWA plume and provide corrective action as necessary. These measures would reduce impacts to a less than significant level.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

- 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 for people residing or working in the project area?*
- f. *For a project near a private airstrip, would it result in a safety hazard for people residing or working in the project area?*

The nearest airport to the site is the Oakland International Airport, which is located 3 miles to the west. Although the project site is located inside the Oakland International Airport Influence Area, the project site is not located inside any of the eight Safety Compatibility Zones (Oakland International Airport 2010). The project would not subject persons working at the site, and there would be no impact from potential air traffic safety risks.

NO IMPACT

- g. *Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?*

The project does not involve the development of structures that could potentially impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. No streets or property access points would be closed, rerouted, or substantially altered during or after construction. Impacts would be less than significant impact.

LESS THAN SIGNIFICANT IMPACT

- h. *Would the project expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?*

The project site is located in a developed industrial area that is surrounded by industrial uses and no adjacent wildlands or densely vegetated areas are located in the area that would represent a significant fire hazard. The project site is not located in wildfire hazard severity zone (San Leandro 2016f). Therefore, the project would not expose people or structures to significant risk of loss, injury, or death involving wildland fires. There would be no impact.

NO IMPACT

9 Hydrology and Water Quality

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level that would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. 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 that would result in substantial erosion or siltation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Substantially alter the existing drainage pattern of the site or area, including the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
g. Place housing in a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary, Flood Insurance Rate Map, or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h. Place structures in a 100-year flood hazard area that would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i. Expose people or structures to a significant risk of loss, injury, or death involving flooding, including that occurring as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j. Result in inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Existing Setting

The project site is located in the San Francisco Bay Hydrologic Region, which covers approximately 4,500 square miles and encompasses 10 counties, including Alameda County. It corresponds with the boundaries of the San Francisco Regional Water Quality Control Board Region 2 and the San Francisco Bay Area Integrated Regional Water Management Plan. The San Francisco Bay Hydrologic Region is a complex network of watersheds, marshes, rivers, creeks, reservoirs, and bays mostly draining into the San Francisco Bay and the Pacific Ocean (San Leandro 2016f).

The project site is located in the Estudillo Canal Watershed. Stormwater runoff is collected through a system of underground culverts, storm drains, and engineered channels that drain into the Estudillo Canal, which ultimately discharges into San Francisco Bay (San Leandro 2016f). The storm drains in Aladdin Avenue connect to this system.

The City of San Leandro Department of Public Works owns and maintains 175 miles of storm drain conduits throughout the city. The City’s storm drain system feeds into a larger system owned and operated by the Alameda County Flood Control and Water Conservation District. This system includes the lower reaches of San Leandro and San Lorenzo Creeks, as well as a number of channels extending into San Leandro neighborhoods west of I-880. The District’s drainage facilities include levees, pump stations, erosion control devices, and culverts (San Leandro 2016f).

Stormwater runoff pollutants vary with land use, topography, and the amount of impervious surface, as well as the amount and frequency of rainfall and irrigation practices. Runoff in developed areas typically contain oil, grease, litter, and metals accumulated in streets, driveways, parking lots, and rooftops, as well as pesticides, herbicides, particulate matter, nutrients, animal waste, and other oxygen-demanding substances from landscaped areas. The highest pollutant concentrations usually occur at the beginning of the wet season during the “first flush” (San Leandro 2016f).

All stormwater runoff from the project would ultimately discharge into San Francisco Bay. The San Francisco Bay Regional Water Quality Control Board monitors surface water quality through implementation of the Water Quality Control Plan (Basin Plan) and designates beneficial uses for surface water bodies and groundwater. The beneficial uses for San Francisco Bay include industrial service supply, commercial and sport fishing, shellfish harvesting, estuarine habitat, fish migration, preservation of rare and endangered species, fish spawning, wildlife habitat, water contact recreation, water non-contact recreation, and navigation (San Leandro 2016f).

Impact Analysis

- a. *Would the project violate any water quality standards or waste discharge requirements?*
- 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 that would result in substantial erosion or siltation on- or off-site??*
- f. *Would the project otherwise substantially degrade water quality?*

Construction Impacts

During construction of the project, existing buildings, equipment, concrete, and asphalt materials would be removed from the site. Grading of the site would also occur. During removal and grading activities, the site's soils would be exposed to wind and water erosion that could transport sediments into local stormwater drainages. Also, accidental spills of fluids or fuels from construction vehicles and equipment, or miscellaneous construction materials and debris, could be mobilized and transported offsite in overland flow. These contaminant sources could degrade the water quality of receiving water bodies (i.e., the San Francisco Bay), potentially resulting in a violation of water quality standards.

As part of Section 402 of the CWA, the U.S. Environmental Protection Agency (U.S. EPA) has established regulations under the National Pollution Discharge Elimination System (NPDES) program to control both construction and operation (occupancy) stormwater discharges. The federal CWA was first adopted in 1972 and is intended to protect and preserve water supply and quality in the "waters of the nation." In the Bay Area, the San Francisco Regional Water Quality Control Board (RWQCB) administers the NPDES permitting program and is responsible for developing permitting requirements. The project would be subject to the San Francisco Bay Region Municipal Regional Stormwater National Pollutant Discharge Elimination System (NPDES) Permit (MRP) – NPDES Permit Order No. R2-2015-0049, and the provisions set forth in Section C.3 *New Development and Redevelopment*. Under the conditions of the permitting program, the applicant would be required to eliminate or reduce non-stormwater discharges to waters of the nation, develop and implement a SWPPP for construction activities, and perform inspections of the stormwater pollution prevention measures and control practices to ensure conformance with the site SWPPP. Because the project would disturb at least one acre of land, the project must provide stormwater treatment and would be required to obtain coverage under the General Permit for Discharges of Storm Water Associated with Construction Activity (Construction General Permit Order 2009-0009-DWQ or 2009-0009-DWQ General Permit).

Further, in accordance with SLMC Section 7-12-230, the project applicant would be required to prepare and implement an erosion and sedimentation control plan and a drainage plan, which includes BMPs to minimize erosion and sediment runoff from the project site. The project would implement construction BMPs, including only performing earth moving activities during dry

weather, using sediment controls or filtration to remove sediment when dewatering, protecting all storm drain inlets in the vicinity of the project site from sediment, diverting onsite runoff around the site, and using sediment barriers.

Operational Impacts

Increasing the total area of impervious surfaces can result in a greater potential to introduce pollutants to receiving waters. Urban runoff can carry a variety of pollutants, including oil and grease, metals, sediment, and pesticide residues from roadways, parking lots, rooftops, and landscaped areas depositing them into adjacent waterways via the storm drain system (San Leandro 2016f).

However, stormwater discharge during operation is regulated by the Municipal Separate Storm Sewer System (MS4) Permit, issued by the RWQCB, pursuant to NPDES regulations. Water quality in stormwater runoff is regulated locally by the Alameda County Clean Water Program, which includes the C.3 provisions set by the San Francisco Bay RWQCB. Provision C.3 of the MRP addresses post-construction stormwater requirements for new development and redevelopment projects that add and/or replace 10,000 square feet or more of impervious area. Because the project would replace in excess of 10,000 square feet of the impervious surface of the project site, it must comply with the C.3 provisions set by the RWQCB. Therefore, the project must meet certain criteria including: 1) incorporate site design, source control, and stormwater treatment measures into the project design; 2) minimize the discharge of pollutants in stormwater runoff and non-stormwater discharge; and 3) minimize increases in runoff flows as compared to pre-development conditions. A Stormwater Control Plan (SCP) that details the site control, source control, and stormwater measures that would be implemented at the site must be submitted to the City. In addition, Low Impact Development (LID) requirements apply. The Alameda County Clean Water Program's C.3 Technical Guidance document (2016) provides guidance on how to meet the C.3 requirements.

In accordance with the C.3 requirements, as discussed under questions (d) and (e) below, the project would reduce the amount of impervious surfaces on the site. The project would also direct runoff from roofs and sidewalks into vegetated areas and include landscaped bioswale areas to treat runoff before entering the stormwater system.

By adhering to the provisions of NPDES Section C.3, the SWPPP, and the stormwater control plan, the project would not result in adverse effects on water quality and or in the violation of water quality standards or waste discharge requirements during construction or operation. Therefore, the project would have a less than significant impact on water quality. With implementation of the measures contained in these plans, excessive stormwater runoff, erosion, and sedimentation would not occur and the potential for the project to violate water quality standards and substantially degrade water quality would be reduced. Impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

- b. Would the project substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering or the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level that would not support existing land uses or planned uses for which permits have been granted)?*

As discussed in Section 18, *Utilities and Service Systems*, the project would receive its water from the East Bay Municipal Utility District (EBMUD). Based on historical averages, about 90 percent of

the water delivered by EBMUD originates from the Mokelumne River watershed, which is fed primarily from the melting snowpack of the Sierra Nevada. The remaining 10 percent originates as runoff from the protected watershed lands and reservoirs in the East Bay Hills (San Leandro 2016e). Therefore, the project would not rely on groundwater for its water supply and would not increase groundwater usage such that a net deficit in aquifer volume would occur.

Development under the project does not include installation of new groundwater wells, or use of groundwater from existing wells. Therefore, the project would have a less than significant impact on groundwater supplies.

The project site is currently almost entirely paved with impervious surfaces. The project would reduce the amount of impervious surfaces on the project site by approximately 4,150 square feet, which would incrementally increase the potential for groundwater recharge. Therefore, the project would not substantially interfere with groundwater recharge. Impacts related to groundwater would be less than significant.

LESS THAN SIGNIFICANT IMPACT

- d. *Would the project substantially alter the existing drainage pattern of the site or area, including the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on- or off-site?*
- e. *Would the project create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?*

The project area is currently developed, and construction of the project would not alter the course of any creek, stream or river (no surface water features are identified in the project area). The project site is almost entirely covered in impervious surfaces. The project would reduce the amount of impervious surfaces on the project site by approximately 4,150 square feet. The project would also include bioswales to treat roof, sidewalk, and driveway water runoff. Therefore, additional stormwater percolation may occur onsite and stormwater runoff volumes would incrementally decrease. Therefore, the project would not increase stormwater discharge, substantially alter drainage patterns onsite or the surrounding area, and would not contribute runoff that would exceed the capacity of the existing onsite or offsite stormwater drainage system. Impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

- g. *Would the project place housing in a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary, Flood Insurance Rate Map, or other flood hazard delineation map?*
- h. *Would the project place structures in a 100-year flood hazard area that would impede or redirect flood flows?*

The project is located outside of the 100-year FEMA-designated floodplain of the Estudillo Canal and does not propose the development of housing (San Leandro 2016c). Therefore, the project would not place structures inside a 100-year flood hazard area and there would be no impact.

NO IMPACT

- i. *Would the project expose people or structures to a significant risk of loss, injury, or death involving flooding, including that occurring as a result of the failure of a levee or dam?*

The project site is located in the inundation areas of two dams: Upper San Leandro Reservoir and Lake Chabot. Lake Chabot is classified as a high hazard dam because its failure could result in a significant loss of life and property damage. The California Division of Safety of Dams (DSOD) inspects each dam on an annual basis to ensure the dam is safe, performing as intended, and is not developing problems (San Leandro 2016a).

EBMUD owns and operates these two reservoirs, which store runoff from local watersheds for water supply. Lake Chabot was built in 1892 and impounds approximately three billion gallons of water that is used for non-potable water supply, emergency water supply, conservation/storage of local runoff, and recreation (San Leandro 2016a).

Four miles upstream is the Upper San Leandro Reservoir, which was constructed in 1977 and holds more than 13 billion gallons of water. This reservoir is closed to public access, except for the trail system, and is used for raw water storage. While failure of these dams is extremely unlikely, most of San Leandro would be flooded in the event of a dam failure of either Lake Chabot or Upper San Leandro Reservoir (San Leandro 2016a).

Requirements for earthquake and flood safety for the EBMUD dams are imposed by the DSOD. Chabot Dam is inspected monthly by EBMUD personnel along with annual inspections by DSOD personnel. DSOD requires that embankments under its jurisdiction are safe enough to withstand a maximum credible earthquake without an uncontrolled release of reservoir water. In 2003, DSOD requested EBMUD to perform a stability evaluation of the Chabot Dam. The results, which were issued in 2005, indicated that upgrading the dam and retrofitting the outlet works was warranted. An Environmental Impact Report (EIR) was certified in December 2013 that discusses the proposed seismic upgrade program in detail and the dam improvements are expected to begin in 2016. However, EBMUD considers both Lake Chabot and Upper San Leandro dams to be stable and does not expect them to breach (San Leandro 2016a).

The risk of dam failure is extremely low, with seismic strengthening soon to take place at Lake Chabot, and continuing maintenance and further improvements taking place at both dams in the future (Leandro 2016a). In addition, the project does not involve residential uses and would not substantially increase the population of the area. Further, the project would not increase the number of employees such that substantial indirect population growth in the area would occur (Section 10, *Population and Housing*).

Due to the very low probability of a dam failure that results in inundation of San Leandro and that no housing or population increases would occur from the project, this impact would be less than significant.

LESS THAN SIGNIFICANT IMPACT

- j. *Would the project result in inundation by seiche, tsunami, or mudflow?*

The nearest largest body of water to the project is the San Francisco Bay, which is over two miles to the west of the project site. The project is also over two miles from Lake Chabot to the northeast. Since the project site is not near any large bodies of water and is two miles inland from the San Francisco Bay, the project site would not be subject to inundation by seiche, tsunami, or mudflow. No impact would occur.

NO IMPACT

10 Land Use and Planning

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Conflict with an applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Existing Setting

The land use designation for the project site is Light Industrial and its zoning is Industrial General District (IG). According to the Land Use Element of the 2035 General Plan, Light Industrial areas may contain wholesale activities, distribution facilities, research and development or e-commerce uses, business services, and manufacturing operations that produce minimal offsite impacts. The designation also includes campus-style industrial parks. Floor area ratios of up to 1.0 are acceptable (San Leandro 2016d). Warehousing activities are a permitted use in areas zoned IG. According to Part II, Article 7 of the SLZC, the intent of the IG zone is “to provide and protect existing industrial sites and allow for continued operation of existing general industry, subject to performance standards and buffering requirements to minimize potential environmental impacts.”

a. Would the project physically divide an established community?

The project includes the demolition of three warehouses currently onsite and the construction of a 159,450-square-foot building. No operational or structural changes are proposed that would separate areas physically or socially, nor are any linear features, new roads or other barriers to movement proposed. There would be no impact.

NO IMPACT

- b. *Would the project conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?*

The new 159,450-square-foot project would include 20,000 square feet of office space and 139,450 square feet of space to accommodate advanced manufacturing or other uses that are permitted in the IG zone. The project's floor area ratio would be approximately 0.53, which is less than the 1.0 acre maximum allowed under SLZC Section 2-736. The proposed new building would be single-story with a maximum height of 40 feet, which is above the maximum building height of 35 feet allowed under SLZC Section 2-734. However, a maximum building height of 50 feet in the IL, IG, and IT Districts may be approved by the Zoning Enforcement Official as allowed under SLZC Section 2-734.C. The project would be required to receive approval from the San Leandro Zoning Enforcement Official to exceed the City's 35 feet building height maximum. According to SLZC Section 2-738, in the IG zone the minimum landscaping coverage is five percent. The project provides more than 5 percent landscaping coverage.

The project would be consistent and compatible with the land use designation of Light Industrial, which provides for manufacturing operations that provide minimal offsite impacts. Goal LU-10 of the General Plan Element is to "ensure that commercial and industrial projects are attractively designed and are sensitive to surrounding areas." As discussed in Section 1, *Aesthetics*, and throughout this Initial Study, the project would improve the visual character of the site and would not conflict with surrounding uses. Therefore, the project is consistent with the City's General Plan.

The project would not conflict with applicable land use plans, policies or regulations of an agency with jurisdiction over the project adopted for the purpose of avoiding or mitigation an environmental effect. Impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

- c. *Would the project conflict with an applicable habitat conservation plan or natural community conservation plan?*

As discussed in Section 4, *Biological Resources*, the project site is not located in an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan. Therefore, the project would not conflict with any such plan and there would be no impact.

NO IMPACT

11 Mineral Resources

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- 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?*
- 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?*

San Leandro’s principal mineral resources are volcanic rocks, such as basalt, andesite, and rhyolite. The only quarry in the city is operated roughly two miles northeast of the project site, and future quarrying is unlikely due to environmental impacts and stringent permitting (San Leandro 2016a). The project would include removal of existing warehouse uses and the construction of an office and advanced manufacturing building and would not result in a loss of available minerals. There would be no impact.

NO IMPACT

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12 Noise

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project result in:				
a. Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. A substantial permanent increase in ambient noise levels above those existing prior to implementation of the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. For a project located in 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. For a project near a private airstrip, would it expose people residing or working in the project area to excessive noise?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Fundamentals of Noise

Noise is unwanted sound that disturbs human activity. Environmental noise levels typically fluctuate over time, and different types of noise descriptors are used to account for this variability. Noise level measurements include intensity, frequency, and duration, as well as time of occurrence. Noise level (or volume) is generally measured in decibels (dB) using the A-weighted sound pressure level (dBA). Because of the way the human ear works, a sound must be about 10 dBA greater than the reference sound to be judged as twice as loud. In general, a 3 dBA change in community noise levels is noticeable, while 1-2 dBA changes generally are not perceived. Quiet suburban areas typically

have noise levels in the range of 40 to 50 dBA, while arterial streets are in the 50 to 60+ dBA range. Normal conversational levels are in the 60 to 65 dBA range, and ambient noise levels greater than 65 dBA can interrupt conversations.

Noise levels typically attenuate (or drop off) at a rate of 6 dBA per doubling of distance from point sources (such as construction equipment). Noise from lightly traveled roads typically attenuates at a rate of about 4.5 dBA per doubling of distance. Noise from heavily traveled roads typically attenuates at about 3 dBA per doubling of distance. Noise levels may also be reduced by the introduction of intervening structures. For example, a single row of buildings between the receptor and the noise source reduces the noise level by about 5 dBA, while a solid wall or berm that breaks the line-of-sight reduces noise levels by 5 to 10 dBA. The construction style for dwelling units in California generally provides a reduction of exterior-to-interior noise levels of about 30 dBA with closed windows (Federal Highway Administration [FHWA] 2006).

Some land uses are more sensitive to ambient noise levels than other uses due to the amount of noise exposure and the types of activities involved. For example, residences, motels, hotels, schools, libraries, churches, nursing homes, auditoriums, museums, cultural facilities, parks, and outdoor recreation areas are more sensitive to noise than commercial and industrial land uses. The nearest sensitive receptor to the project site is Lincoln High School, approximately 1,300 feet (0.25 mile) to the east. The nearest residences to the project site are located approximately 1,500 feet (0.28 mile) to the northeast of the property line. Sight-lines to project site from these two sensitive receptors are blocked by existing industrial buildings and intervening sound walls.

Existing Setting

The noise environment on the project site is dominated by the industrial uses on and surrounding the site, vehicle noise generated from I-880, which accommodates 10 lanes of vehicle traffic in the project vicinity, vehicle noise from Alvarado Street and Aladdin Avenue, and rail vehicle noise from the nearby Union Pacific Railroad tracks and Bay Area Rapid Transit (BART) tracks.

Noise regulations and ordinances typically establish allowable noise levels for different land uses and define exempt noise activities. The San Leandro Land Use Compatibility Guidelines included in the San Leandro General Plan Environmental Hazards Element identify normally acceptable noise levels in industrial areas as up to 75 decibels. Noise levels from 70 to 80 decibels are conditionally acceptable and noise levels in excess of 75 decibels are normally unacceptable.

Chapter 4-1 of the SLMC provides provision for restrictions and regulations for noise in the city of San Leandro. These regulations specifically restrict construction activities that occur after the typical work day for uses adjacent to or across a street or right-of-way from a residential use (SLMC Section 4-1-1115). However, the SLMC does not include restrictions on construction activities in industrial areas.

Roadway Noise

Noise levels associated with existing and future traffic along area roadways were estimated by completing a screening analysis for project-generated traffic. Existing A.M. and P.M. peak hour traffic volumes were compared with the expected peak hour traffic volume increases after construction of the project using traffic volumes provided in the *Transportation Impact Study Report* conducted by TJKM in June 2017 (Appendix D). Peak hour traffic volumes were used in this analysis because they represent the busiest traffic conditions. As the specific future use of the project is unknown, the analysis included both warehouse and advanced manufacturing for the occupying

use. As shown in Table 16 in Section 16, *Transportation*, assuming the entire building would be occupied by warehouse uses, the traffic analysis found the project would generate an estimated net of 18 weekday A.M. peak hour trips (13 inbound, five outbound) and a net of 23 weekday P.M. peak hour trips (four inbound, 19 outbound). As shown in Table 17, assuming the entire building would be occupied by advanced manufacturing uses, the project would generate an estimated net of 55 weekday A.M. peak hour trips (50 inbound, 5 outbound) and a net of 71 weekday P.M. peak hour trips (6 inbound, 65 outbound). Project-generated trips would be distributed among area roadways including Alvarado Street and Aladdin Avenue.

Modeling of traffic noise indicates that, in general, a 10 percent increase in traffic volume would raise traffic noise by approximately 0.4 dBA, a 20 percent increase would raise traffic noise by about 0.8 dBA, a 30 percent increase would result in an approximately 1.1 dBA increase in traffic noise, and a 40 percent increase would increase traffic noise by about 1.5 dBA. While the City has not adopted standards for an increase in traffic noise due to a project, this screening analysis evaluates the project's effect on traffic noise based on Federal Transit Administration thresholds (Table 10).

Cumulative traffic noise was evaluated using a similar screening methodology based on projected cumulative traffic volumes for the year 2035, provided by the *Transportation Impact Study Report*. This cumulative forecast was developed using growth rates for weekday peak hour traffic volumes derived from the San Leandro General Plan and recent studies near project site (TJKM 2017: Appendix D).

Impact Analysis

- a. *Would the project result in exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?*
- c. *Would the project result in a substantial permanent increase in ambient noise levels above levels existing without the project?*

The project would involve redeveloping the project site use from warehouses to office, warehouse, and/or advanced manufacturing. Noise associated with operation of the project may be periodically audible at adjacent uses. Noise events that are typical of advanced manufacturing buildings include automobile traffic and conversations, as well as noise typical of parking lots such as car alarms and car doors slamming. On-site operations are expected to also involve noise associated with rooftop ventilation, heating systems, truck deliveries, and trash hauling. These noise sources and levels would be similar to surrounding industrial development and would not result in a substantially increase compared to the existing warehouse uses onsite. Although the use of the project site would change, the operational noise levels would be similar.

Permanent project-related changes in noise would be primarily due to increases in traffic volumes on nearby street segments and intersections. For traffic-related noise, impacts would be significant if project-generated traffic results in exposure of sensitive receptors to unacceptable noise levels. Table 8 shows the significance thresholds for increases in traffic related noise levels caused by the project.

Table 8 Significance of Changes in Operational Roadway Noise Exposure

Existing Noise Exposure (Ldn or Leq in dBA)	Allowable Noise Exposure Increase (Ldn or Leq in dBA)
45-50	7
50-55	5
55-60	3
60-65	2
65-75	1
75+	0

Source: Federal Transit Administration 2006.

The traffic analysis found the project would generate 126 daily trips, 55 A.M. peak hour trips, and 71 P.M. peak hour trips (TJKM 2017: Appendix D). Table 9 shows the net increase in roadway traffic volumes along the studied roadway segments with the greatest increase in traffic for the A.M. and P.M. peak hours.

Table 9 Increase in Existing Area Roadway Traffic Volumes with Project during A.M. and P.M. Peak Hours

Roadway Segment	Existing Peak Hour Trips	Net Increase in Peak Hour Trips from Project	Percentage Increase in Trips
Northbound/Eastbound			
A.M. Peak Hour			
Aladdin Ave between Teagarden St and Alvarado St	310	4	1.3%
Alvarado Street between Aladdin Ave and Montague Ave	665	3	0.5%
P.M. Peak Hour			
Aladdin Ave between Teagarden St and Alvarado St	382	2	0.5%
Alvarado Street between Aladdin Ave and Montague Ave	563	11	2.0%
Southbound/Westbound			
A.M. Peak Hour			
Aladdin Ave between Teagarden St and Alvarado St	457	2	0.4%
Alvarado Street between Aladdin Ave and Montague Ave	385	8	2.1%
P.M. Peak Hour			
Aladdin Ave between Teagarden St and Alvarado St	293	7	2.4%
Alvarado Street between Aladdin Ave and Montague Ave	418	2	0.5%

Source: TJKM 2017: Appendix D

As shown in Table 9, the project would generate the highest estimated increase in traffic volume on Aladdin Avenue: 2.4 percent for the segment between Teagarden Street and Alvarado Street southwest bound during the P.M. peak hour. As discussed under the Roadway Noise setting section, a 10 percent increase in vehicle traffic would result in an increase in traffic noise of approximately 0.4 dBA Leq. As the project would increase traffic volumes on nearby streets by less than 10

percent, it would not increase traffic noise by more than 0.4 dBA Leq (roughly equivalent to 0.4 dBA Ldn in an urban setting). Therefore, project-generated traffic on nearby roadways would incrementally increase ambient noise levels but below significant levels. The project would not result in exposure of persons to or generation of noise levels in excess of standards and would not result in a substantial permanent increase in ambient noise levels. Impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

b. Would the project result in exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?

The FTA describes the general human response to different levels of groundborne vibration velocity levels as follows (2006):

- 75 VdB - Approximate dividing line between barely perceptible and distinctly perceptible
- 85 VdB - Vibration acceptable only if there are an infrequent number of events per day
- 90 VdB - Difficulty with tasks such as reading computer screens

This analysis uses the FTA’s vibration impact thresholds to determine whether groundborne vibration would be “excessive.” The FTA recommends an 80 VdB threshold for infrequent events at residences and buildings where people normally sleep. In terms of groundborne vibration impacts on structures, the FTA states that groundborne vibration levels in excess of 100 VdB would damage fragile buildings and levels in excess of 95 VdB would damage extremely fragile historic buildings.

Table 10 identifies various vibration velocity levels at distances from the source for the types of construction equipment that generally generate high levels of vibration and could be expected to be used for project construction. The primary sources of man-made vibration are blasting, grading, pavement breaking, and demolition. As shown in Table 10, a jackhammer would generate the highest vibration levels. At a distance of 1,300 feet, general construction equipment would generate a vibration level of under 60 VdB, which is less than the 80 VdB threshold for infrequent events at sensitive receptors recommended by FTA. Furthermore, 60 VdB is less than the approximate dividing line between barely perceptible and distinctly perceptible (75 VdB). Therefore, vibration impacts associated with construction would be less than significant.

Table 10 Construction Equipment and Associated Vibration Levels

Equipment	Approximate VdB		
	50 feet	1,300 feet	1,500 feet
Jackhammer	88	59.7	58.5
Generators	81	52.7	51.5
Dozer	82	53.7	52.5

Source: Federal Railroad Administration 2006

In addition, operational activities associated with office and advanced manufacturing operations would not generate substantial vibration levels. Thus, the project would not expose people to excessive groundborne vibration or groundborne noise levels. This impact would be less than significant.

LESS THAN SIGNIFICANT IMPACT

- d. *Would the project result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?*

Construction of the project could result in the temporary elevation of noise levels at the project site and surrounding areas. The City regulates construction activities that occur after the typical work day for uses adjacent to or across a street or right-of-way from a residential use (SLMC Section 4-1-1115). However, the project site is located in an industrial area and is surrounded by industrial uses. Table 11 identifies various construction equipment noise emission levels for different types of construction equipment at distances of 50, 1,300, and 1,500 feet from the source. As shown, at the nearest sensitive receptors 1,300 and 1,500 feet away, construction noise would be under 61 dBA. At this level, construction noise would not be substantial compared to ambient noise levels. Therefore, there would not be a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project. This impact would be less than significant.

Table 11 Typical Noise Levels at Construction Sites

Equipment	Typical Noise Level (dBA 1-hour Leq)		
	50 feet from source	1,300 feet from source	1,500 feet from source
Backhoe	80	51.7	50.5
Dozer	85	56.7	55.5
Truck	88	59.7	58.5
Jack Hammer	88	59.7	58.5
Paver	89	60.7	59.5

Source: Federal Transit Administration 2006.

LESS THAN SIGNIFICANT IMPACT

- e. *For a project located in 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?*
- f. *For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise?*

As discussed in Section 8, *Hazards and Hazardous Materials*, the nearest airport to the site is the Oakland International Airport, which is located three miles to the west. Although the project site is located inside the Oakland International Airport Influence Area, the project site is not located inside any of the eight Safety Compatibility Zones (Oakland International Airport 2010). Per the Land Use Compatibility Plan, the project site is located outside of the existing noise level contours for the Airport, and would not subject workers at the site to excessive noise. There would be no impact.

NO IMPACT

13 Population and Housing

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Induce substantial population growth in an area, either directly (e.g., by proposing new homes and businesses) or indirectly (e.g., through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Displace substantial amounts of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Existing Setting

Table 12 shows population, households, and employment projections for San Leandro from the City’s 2035 General Plan. From 2015 to 2040, it is forecast that the city will add 14,790 residents, 5,370 households, and 12,130 jobs (San Leandro 2016f).

Table 12 City of San Leandro General Plan Population, Housing, and Jobs Projections

	2015	2040	2015-2040 Growth
Population	84,950	101,250	14,790 (17%)
Households	31,315	36,685	5,370 (17%)
Jobs	42,865	54,995	12,130 (28%)

Source: San Leandro 2016f. Data from the Associate of Bay Area Governments, *Plan Bay Area, Projections 2013*, City Table, Alameda County; City of San Leandro; PlaceWorks, 2015

- a. *Would the project induce substantial 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)?*

The project includes the demolition of three warehouses currently onsite and the construction of an approximately 160,000-square-foot building. The project does not include housing. Implementation of the project would not affect residential growth and would not directly add residents to the city of San Leandro.

The project would introduce additional employees to the area. Regional or local employment generation rates were not available. Therefore, a study for the Southern California Association of Governments estimating employment densities for various land uses was utilized to estimate the

amount of employees that would be added from the project. Based on the potential future uses associated with the project, Table 13 shows the estimated square footage for each employee and the expected number of employees assuming 159,450 square feet of space. As shown, it is estimated that the project could generate between approximately 131 and 159 employees. As shown in Table 12, the number of jobs in the city in 2015 was estimated at 42,865 and the projected number of jobs in 2035 is 54,995. The increase in employment associated with the project would be within the projected employment growth in San Leandro (San Leandro 2016f). Therefore, no substantial growth would be generated from the project and impacts would be less than significant.

Table 13 Employee Generation Assumptions

Employment Density Study Land Use Category	Median Square Feet per Employee	Estimated Employee Generation
Light Manufacturing	942	159
Warehouse	1,225	131

Source: The Natelson Company, Inc. 2001. Because no employment density rates for San Leandro were available, data provided for the Southern California region was used.

LESS THAN SIGNIFICANT IMPACT

- b. Would the project displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?*
- c. Would the project displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?*

There are no residences on or adjacent to the project site. The project would not involve the demolition or displacement of housing. No people would be directly or indirectly displaced as a result of the project. There would be no impact.

NO IMPACT

14 Public Services

	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, or the 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:				
1 Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4 Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5 Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Setting

The project site is served by the Alameda County Fire Department, the San Leandro Police Department, and is located with the San Leandro Unified School District. Additional details are provide in the analyses below.

a.1. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered fire protection facilities, or the 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?

Fire protection is provided to the city by the Alameda County Fire Department through a contract for services. The Fire Department provides fire suppression, hazardous materials mitigation, paramedic services, urban search and rescue, fire prevention, and public education. Station 12 is the closest station to the project site. Located at 1065 143rd Avenue, this station is located approximately five minutes driving time from the project site. This station houses both an engine and a truck company. It is also the home of hazardous materials response vehicles, and the battalion chief for Battalion 1. Station 12 services an area of approximately 2.5 square miles (San Leandro 2016e).

San Leandro adopted the 2016 California Fire Code as the city's Fire Code in 2017 (SLMC Section 7-5-800). The project would involve office and advanced manufacturing uses and would be required to conform with all City Fire Code requirements. The existing site is currently served by the Alameda County Fire Department, and the project would not require new or physically altered government facilities. There would be a less than significant impact.

LESS THAN SIGNIFICANT IMPACT

a.2. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered police protection facilities, or the need for new or physically altered police protection facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives?

The San Leandro Police Department provides law enforcement services in San Leandro. The Department is located at 901 E. 14th Street, which is approximately seven minutes driving time from the project site. The project site is located in Beat #3, which is served by four sergeants and four beat officers (San Leandro 2016e). Although the project would involve redeveloping the project site and increasing the total square footage of development onsite, the increase and change in use from warehouse and retail to manufacturing or other related uses would not increase the demand for police protection services. The existing site is currently served by the San Leandro Police Department, and the project would not provide any new or physically altered government facilities or require the need for new or physically altered government facilities. There would be a less than significant impact.

LESS THAN SIGNIFICANT IMPACT

a.3. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered schools, or the need for new or physically altered schools, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives?

The project site is located in the San Leandro Unified School District (San Leandro Unified School District 2016).

As discussed in Section 13, *Population and Housing*, the project does not include any residential development and would not add substantial population to the city of San Leandro. Therefore, the project would not generate substantial numbers of new students, thus impacting school resources. There would be no impact.

NO IMPACT

a.4. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered parks, or the need for new or physically altered parks, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios or other performance objectives?

The San Leandro Recreation and Human Services Department manages the recreational and park uses in the city. The nearest recreational facilities to the project site are located at Burrell Fields, which are located approximately a half mile to the west at the corner of Aladdin Avenue and Teagarden Street. The Burrell Fields include the Pacific Recreation Center and the San Leandro Ball Park (San Leandro 2016e).

As discussed in Section 13, *Population and Housing*, the project does not involve residential uses would not add substantial population to the city of San Leandro. Therefore, the project would not substantially increase demand for recreational resources. There would be no impact.

NO IMPACT

a.5. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, or the 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 other public facilities?

As discussed in Section 13, *Population and Housing*, the project would not add substantial population to the city of San Leandro. Therefore, the project would not substantially increase demand for public facilities and resources. Impacts to stormwater, wastewater, and water facilities are discussed in Section 18, *Utilities and Service Systems*. Impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

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15 Recreation

	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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Existing Setting

The project site is located in a developed industrial area in the city of San Leandro. The nearest recreational facilities to the project site are located at Burrell Fields, which are located approximately 0.5 mile to the west at the corner of Aladdin Avenue and Teagarden Street. The Burrell Fields include the Pacific Recreation Center and the San Leandro Ball Park. The facilities include a football field and track with stands, three baseball diamonds, six tennis courts, and associated concession stands and parking.

- 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?*

The project does not include components that would directly result in an increased use of Burrell Fields or other park or recreational facilities in the city of San Leandro. As discussed in Section 13, *Population and Housing*, the project would not add substantial population to the city, which in turn would use recreational facilities. Therefore, the project would not increase the use of parks such that substantial physical deterioration would occur. There would be no impact.

NO IMPACT

- 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?*

The project would not include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment. As described above, the project would not increase the use of recreational facilities such that substantial physical deterioration would occur. There would be no impact.

NO IMPACT

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16 Transportation/Traffic

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation, including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways, and freeways, pedestrian and bicycle paths, and mass transit?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible use (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise substantially decrease the performance or safety of such facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Setting

The analysis in this section is based primarily on the Traffic Impact Study (TIS) prepared by TJKM in August 2017. The TIS titled *Industrial Development on 2756 Alvarado Street* is included as Appendix D of this Initial Study.

Existing Roadway Network

I-880 provides the direct regional access to the project site via an interchange approximately 0.25 mile west of Teagarden Street. I-880 currently has four lanes in the northbound and five lanes in the southbound direction with a posted speed limit of 65 miles per hour.

Marina Boulevard is a 2.5 mile arterial roadway providing access to I-880 in the project vicinity in the city of San Leandro. The roadway is a two-lane, undivided roadway east of San Leandro Boulevard, a four lane divided roadway from San Leandro Boulevard to Pacific Avenue, a six-lane divided roadway from Pacific Avenue to I-880 ramps, a four-lane undivided roadway from I-880 ramps to Doolittle Drive, and a two-lane undivided roadway from Doolittle Drive to Neptune Drive. The posted speed limit in the project vicinity is 40 miles per hour.

Teagarden Street is a collector roadway connecting Marina Boulevard to Montague Avenue, Aladdin Avenue, and Alvarado Street. The roadway is predominantly two lanes undivided, with on-street parking permitted along some sections. The posted speed limit is 35 miles per hour. Teagarden Street's name changes to Wayne Avenue north of Marina Boulevard.

Alvarado Street is a collector roadway connecting Marina Boulevard to Montague Avenue, Aladdin Avenue, and Teagarden Street. The roadway is predominantly two lanes undivided and the posted speed limit is 40 miles per hour.

To evaluate the impacts on the transportation infrastructure due to the addition of traffic from the project, TJKM evaluated five intersections and two roadway segments during weekday A.M. and P.M. peak hours under four study scenarios. The study intersections and roadway segments were evaluated under No Project and Plus Project scenarios for Existing and Cumulative (Year 2035) Conditions.

The following study intersections were analyzed (associated traffic controls in parentheses):

- Alvarado Street and Aladdin Avenue (Signalized)
- Teagarden Street and Fairway Drive/Aladdin Avenue (Signalized)
- Alvarado Street and Montague Avenue (Unsignalized)
- Alvarado Street and Marina Boulevard (Signalized)
- Teagarden Street and Marina Boulevard (Signalized)

In addition, roadway segments were assessed qualitatively. Typically, if intersections operate satisfactorily, segments would also operate satisfactorily. Both intersections were analyzed for weekday A.M. and P.M. peak periods, which are the peak periods during which the city road network is busiest. The roadway segments studied include:

- Aladdin Avenue between Teagarden Street and Alvarado Street
- Alvarado Street between Aladdin Avenue and Montague Avenue.

Study intersections were selected based on consultation with City staff, proximity to the project site, and project peak hour trips.

Weekday intersection turning movement volumes for Aladdin Avenue between Teagarden Street and Alvarado Street and Alvarado Street between Aladdin Avenue and Montague Avenue were collected on Thursday, November 3, 2016 from 7:00 a.m. to 9:00 a.m. (A.M. Peak) and from 4:00 p.m. to 6:00 p.m. (P.M. Peak). Weekday 24-hour bi-directional tube counts were collected in the month of November 2016 on Aladdin Avenue between Teagarden Street and Alvarado Street and Alvarado Street between Aladdin Avenue and Montague Avenue. These traffic counts were taken during a non-holiday week, a weekday when local schools were in session, and when the weather was fair (TJKM 2017).

Thresholds of Significance

The City of San Leandro utilizes Synchro software and the Highway Capacity Manual (HCM) 2000 methodology to evaluate signalized and unsignalized intersection operations.

- **Signalized Intersection.** The HCM procedure calculates a weighted average stop delay in seconds per vehicle at a signalized intersection and assigns a Level of Service (LOS) designation based upon the delay
- **Unsignalized Intersection.** The HCM methodology calculates a weighted average stop delay in seconds per vehicle for each controlled intersection leg and for the intersection as a whole. A LOS designation is assigned based upon the weighted average control delay per vehicle on the intersection leg with the worst delay at one- or two-way stop-controlled intersections. For all-way stop-controlled intersections, a LOS designation is based upon the weighted average control delay for all intersection legs, similar to the LOS designation for signalized intersections

The project would create a significant impact if it caused one or more of the following:

- A signalized intersection to operate at LOS E or F
- An increase in the volume-to-capacity (V/C) ratio of 0.05 or more for signalized intersections that operate at LOS E or F under No Project conditions
- An increase in average delay of more than 5 seconds on the worst approach for unsignalized intersections that operate at LOS E or F under No Project conditions

Impact Analysis

- a. *Would the project conflict with an applicable plan, ordinance or policy establishing a measure of effectiveness for the performance of the circulation system, taking into account all modes of transportation, including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways, and freeways, pedestrian and bicycle paths, and mass transit?*

The project would involve the redevelopment of a 6.9-acre parcel currently occupied by three warehouse type buildings. The new 159,450-square foot development would include 20,000 square feet of office space and 139,450 square feet of space to accommodate warehouse or advanced manufacturing uses. As the exact future uses in the proposed new building are unknown, two different uses were evaluated in the TIS, warehouse and advance manufacturing.

Existing Conditions

Traffic operations were evaluated at the study intersections under existing conditions. All signalized intersections were found to operate within City of San Leandro standards of LOS D or better during

the A.M. and P.M. peak hour. The unsignalized intersection of Alvarado Street and Montague Avenue was found to operate at LOS E during the A.M. peak hour, which is within City standards (Table 14).

Table 14 Existing Conditions Intersection Level of Service

Intersection	Control	Peak Hour	Average Delay	LOS
Alvarado St. and Aladdin Ave.	Signalized	A.M.	47.1	D
		P.M.	26.4	C
Teagarden St. and Fairway Dr./Aladdin Ave.	Signalized	A.M.	20.3	C
		P.M.	21.7	C
Alvarado St. and Montague Ave.	Unsignalized	A.M.	36.1	E
		P.M.	21.4	C
Alvarado St. and Marina Blvd.	Signalized	A.M.	30.0	C
		P.M.	23.9	C
Teagarden St. and Marina Blvd.	Signalized	A.M.	25.9	C
		P.M.	35.2	D

Bold text indicates intersection operates at a deficient Level of Service.

Source: TJKM Traffic Impact Study 2017

Traffic conditions were also evaluated at two roadway segments under existing conditions. Both roadway segments were found to operate within City of San Leandro standards of LOS D or better during the A.M. and P.M. peak hour (Table 15).

Table 15 Existing Conditions Roadway Segment Level of Service

Roadway Segment	Direction	Peak Hour	Traffic Volumes	LOS
Aladdin Ave. between Teagarden St. and Alvarado St.	Eastbound	A.M.	310	D
	Westbound	A.M.	457	D
Alvarado St. between Aladdin Ave. and Montague Ave.	Northbound	A.M.	665	D
	Southbound	A.M.	385	D
Aladdin Ave. between Teagarden St. and Alvarado St.	Eastbound	P.M.	382	D
	Westbound	P.M.	293	D
Alvarado St. between Aladdin Ave. and Montague Ave.	Northbound	P.M.	563	D
	Southbound	P.M.	418	D

Source: TJKM Traffic Impact Study 2017.

Project Trip Generation – Warehouse

TJKM developed estimated project trip generation for the project based on published trip generation rates from the Institute of Transportation Engineer’s (ITE) publication Trip Generation (9th Edition). TJKM used published trip rates for Warehousing (ITE Code 150) for this project. The site plan shows 139,500 square feet for warehousing and 20,000 square feet for office. TJKM used 159,450 square feet of warehousing since ITE Land Use Code 150 includes office uses. TJKM applied existing trip credits by conducting the existing driveway counts at the proposed site on November 3rd, 2016. Assuming the entire building would be occupied by warehouse uses, the project would

generate an estimated net of 18 weekday A.M. peak hour trips (13 inbound, 5 outbound) and a net of 23 weekday P.M. peak hour trips (4 inbound, 19 outbound) (Table 16).

Table 16 Proposed Project Trip Generation - Warehouse

Land Use	Size	Daily Trips	A.M. Peak Hour Trips			P.M. Peak Hour Trips		
			In	Out	Total	In	Out	Total
Warehouse ¹	159.450 KSF	570	38	10	48	13	38	51
Existing Driveway Counts ²		174	25	5	30	9	19	28
Net Total	159.450 KSF	396	13	5	18	4	19	23

KSF = Thousand Square Feet

¹Warehousing (ITE Land Use Code 150) vehicle trip rates are used based upon number of thousand square feet gross floor area.

²Existing Driveway Counts onsite were conducted on 11/03/2016.

Source: TJKM Traffic Impact Study 2017

Project Trip Generation – Advanced Manufacturing

Assuming the entire building would be occupied by advanced manufacturing uses, the project would generate an estimated net of 55 weekday A.M. peak hour trips (50 inbound, 5 outbound) and a net of 71 weekday P.M. peak hour trips (6 inbound, 65 outbound) (Table 17).

Table 17 Proposed Project Trip Generation – Advance Manufacturing

Land Use	Size	Daily Trips	A.M. Peak Hour Trips			P.M. Peak Hour Trips		
			In	Out	Total	In	Out	Total
Advance Manufacturing ¹	160 KSF	920	75	10	85	15	84	99
Existing Driveway Counts ²		174	25	5	30	9	19	28
Net Total	160 KSF	746	50	5	55	6	65	71

KSF = Thousand Square Feet

¹ Advance Manufacturing vehicle trip rates are used based upon number of thousand square feet gross floor area. Trip rate for Advance Manufacturing land use is derived from the driveway counts conducted at a Sanmina at 42735 Christy Street, Fremont, CA, Flextronics at 250 S. Milpitas Blvd, Milpitas, CA and Quanta at 41652 Boscell Drive, Fremont, CA.

²Existing Driveway Counts onsite were conducted on 11/03/2016.

Source: TJKM Traffic Impact Study 2017

Trip Distribution and Assignment

Trip distribution is a process that determines in what proportion vehicles would be expected to travel between the project site and various destinations outside the project study area. Assignment determines the various routes that vehicles would take from the project site to each destination using the calculated trip distribution. Trip distribution assumptions for the project (assuming both warehouse and advanced manufacturing uses) were developed based on the existing travel patterns, knowledge of the study area and consultation with the City staff. The distribution assumptions are as follows:

- 5 percent to/from north of Alvarado Street
- 5 percent to/from south of Alvarado Street
- 5 percent to/from Wayne Avenue
- 5 percent to/from west of Marina Boulevard
- 10 percent to/from west of Fairway Drive
- 20 percent to/from east of Marina Boulevard
- 25 percent to/from north of I-880
- 25 percent to/from south of I-880

Project trips were assigned to the roadway network based on the trip distribution patterns discussed above. The assigned project trips were then added to traffic volumes under Existing Conditions to generate Existing plus Project Conditions traffic volumes.

Existing plus Project Conditions – Warehouse

Traffic operations were evaluated at the study intersections under existing plus project conditions and traffic generated by the project with the warehouse use. All signalized intersections were found to operate within City of San Leandro standards during the A.M. and P.M. peak hours. The unsignalized intersection of Alvarado Street and Montague Avenue, which operates at LOS E during the A.M. peak hour, would not change from LOS E to LOS F (Table 18). Based on the City of San Leandro LOS impact criteria, the project would have a less than significant impact at the study intersections during both A.M. and P.M. peak hours.

Table 18 Existing plus Project Conditions Intersection Level of Service – Warehouse

Intersection	Control	Peak Hour	Existing Conditions		Existing plus Project Conditions		Change in Delay ² (Sec)	Significant Impact?
			Delay ¹	LOS	Delay ¹	LOS		
Alvarado St. and Aladdin Ave.	Signalized	A.M.	47.1	D	47.7	D	0.90	No
		P.M.	26.4	C	26.7	C	0.30	No
Teagarden St. and Fairway Dr./Aladdin Ave.	Signalized	A.M.	20.3	C	20.5	C	0.20	No
		P.M.	21.7	C	21.6	C	-0.10	No
Alvarado St. and Montague Ave.	Unsignalized	A.M.	36.1	E	37.1	E	1.00	No
		P.M.	21.4	C	21.8	C	0.40	No
Alvarado St. and Marina Blvd.	Signalized	A.M.	30.0	C	30.1	C	0.20	No
		P.M.	23.9	C	24.0	C	0.10	No
Teagarden St. and Marina Blvd.	Signalized	A.M.	25.9	C	25.8	C	-0.10	No
		P.M.	35.2	D	35.3	D	0.10	No

¹ Whole intersection weighted average control delay expressed in seconds per vehicle for signalized intersections. Total control delay for the worst movement is presented for side-street stop – controlled intersections.

² Change in delay between Existing and Existing plus Project Conditions.

Bold text indicates intersection operates at a deficient Level of Service.

Source: TJKM Traffic Impact Study 2017

Two roadway segment operations were evaluated under existing plus project conditions. Both roadway segments were found to operate within City of San Leandro standards during the A.M. and P.M. peak hours (Table 19). As the project would not impact a roadway segment to change from LOS E to better to LOS F, the project would have a less than significant impact at the study segments during both A.M. and P.M. peak hours.

Table 19 Existing plus Project Conditions Roadway Segment Level of Service - Warehouse

Roadway Segment	Direction	Peak Hour	Existing Conditions		Existing plus Project Conditions		Change in V/C Ratio ¹	Change in Volume	Significant Impact?
			Volume	LOS	Volume	LOS			
Aladdin Ave. between Teagarden St. and Alvarado St.	Eastbound	A.M.	310	D	314	D	0.01	4	No
	Westbound	A.M.	457	D	459	D	0.00	2	No
Alvarado St. between Aladdin Ave. and Montague Ave.	Northbound	A.M.	665	D	668	D	0.00	3	No
	Southbound	A.M.	385	D	393	D	0.01	8	No
Aladdin Ave. between Teagarden St. and Alvarado St.	Eastbound	P.M.	382	D	384	D	0.00	2	No
	Westbound	P.M.	293	D	300	D	0.01	7	No
Alvarado St. between Aladdin Ave. and Montague Ave.	Northbound	P.M.	563	D	574	D	0.01	11	No
	Southbound	P.M.	418	D	420	D	0.00	2	No

¹ Volume to Capacity ratio.

Source: TJKM Traffic Impact Study 2017

Existing plus Project Conditions – Advance Manufacturing

Traffic operations were evaluated at the study intersections under existing plus project conditions and traffic generated by the project with the advance manufacturing use. All signalized intersections were found to operate within City of San Leandro standards during the A.M. and P.M. peak hours. The unsignalized intersection of Alvarado Street and Montague Avenue, which operates at LOS E during the A.M. peak hour, did not change from LOS E to LOS F (Table 20). Based on the City of San Leandro LOS impact criteria, the project would have a less than significant impact at the study intersections during both A.M. and P.M. peak hours.

Table 20 Existing plus Project Conditions Intersection Level of Service – Advance Manufacturing

Intersection	Control	Peak Hour	Existing Conditions		Existing plus Project Conditions		Change in Delay ² (Sec)	Significant Impact?
			Delay ¹	LOS	Delay ¹	LOS		
Alvarado St. and Aladdin Ave.	Signalized	A.M.	47.1	D	51.9	D	4.80	No
		P.M.	26.4	C	27.9	C	1.50	No
Teagarden St. and Fairway Dr./Aladdin Ave.	Signalized	A.M.	20.3	C	20.4	C	0.10	No
		P.M.	21.7	C	21.8	C	0.10	No
Alvarado St. and Montague Ave.	Unsignalized	A.M.	36.1	E	39.4	E	3.30	No
		P.M.	21.4	C	23.0	C	1.60	No
Alvarado St. and Marina Blvd.	Signalized	A.M.	30.0	C	30.6	C	0.60	No
		P.M.	23.9	C	30.0	C	6.10	No
Teagarden St. and Marina Blvd.	Signalized	A.M.	25.9	C	25.8	C	-0.10	No
		P.M.	35.2	D	35.0	D	-0.20	No

¹ Whole intersection weighted average control delay expressed in seconds per vehicle for signalized intersections. Total control delay for the worst movement is presented for side-street stop – controlled intersections.

² Change in delay between Existing and Existing plus Project Conditions.

Source: TJKM Traffic Impact Study 2017

Two roadway segment operations were evaluated under existing plus project conditions. Both roadway segments were found to operate within City of San Leandro standards during the A.M. and P.M. peak hours (Table 21). As the project would not impact a roadway segment to change from LOS E to better to LOS F, the project would have a less than significant impact at the study segments during both A.M. and P.M. peak hours.

Table 21 Existing plus Project Conditions Roadway Segment Level of Service – Advance Manufacturing

Roadway Segment	Direction	Peak Hour	Existing Conditions		Existing plus Project Conditions		Change in V/C Ratio ¹	Change in Volume	Significant Impact?
			Volume	LOS	Volume	LOS			
Aladdin Ave. between Teagarden St. and Alvarado St.	Eastbound	A.M.	310	D	328	D	0.02	18	No
	Westbound	A.M.	457	D	459	D	0.00	2	No
Alvarado St. between Aladdin Ave. and Montague Ave.	Northbound	A.M.	665	D	668	D	0.00	3	No
	Southbound	A.M.	385	D	415	D	0.04	30	No
Aladdin Ave. between Teagarden St. and Alvarado St.	Eastbound	P.M.	382	D	384	D	0.00	2	No
	Westbound	P.M.	293	D	316	D	0.03	23	No
Alvarado St. between Aladdin Ave. and Montague Ave.	Northbound	P.M.	563	D	602	D	0.05	39	No
	Southbound	P.M.	418	D	422	D	0.01	4	No

¹ Volume to Capacity ratio.

Source: TJKM Traffic Impact Study 2017

Cumulative (Year 2035) Conditions

Traffic operations were evaluated at the study intersections under cumulative traffic conditions in the year 2035. All signalized intersections were found to operate within City of San Leandro standards during the A.M. and P.M. peak hours. The unsignalized intersection of Alvarado Street and Montague Avenue was found to operate at LOS F during the A.M. peak hour and LOS E during the P.M. peak hour (Table 22).

Table 22 Cumulative (Year 2035) Conditions Intersection Level of Service

Intersection	Control	Peak Hour	Cumulative (Year 2035) Conditions	
			Average Delay ¹	LOS
Alvarado St. and Aladdin Ave.	Signalized	A.M.	50.2	D
		P.M.	30.5	C
Teagarden St. and Fairway Dr./Aladdin Ave.	Signalized	A.M.	42.2	D
		P.M.	51.9	D
Alvarado St. and Montague Ave.	Unsignalized	A.M.	319.5	F
		P.M.	39.9	E
Alvarado St. and Marina Blvd.	Signalized	A.M.	25.9	C
		P.M.	27.3	C
Teagarden St. and Marina Blvd.	Signalized	A.M.	32.2	C
		P.M.	32.0	C

Bold text indicates intersection operates at a deficient Level of Service.

Source: TJKM Traffic Impact Study 2017

Two roadway segment operations were evaluated under cumulative traffic conditions in the year 2035. Both roadway segments were found to operate within City of San Leandro standards during the A.M. and P.M. peak hours (Table 23). As the project would not impact a roadway segment to change from LOS E to better to LOS F or for those segments at LOS F did not change the volume to capacity ratio (V/C) by more than 0.02, the project would have a less than significant impact at the study segments during both A.M. and P.M. peak hours.

Table 23 Cumulative (Year 2035) Conditions Roadway Segment Level of Service

Roadway Segment	Direction	Peak Hour	Cumulative Traffic Volumes	LOS
Aladdin Ave. between Teagarden St. and Alvarado St.	Eastbound	A.M.	341	D
	Westbound	A.M.	793	F
Alvarado St. between Aladdin Ave. and Montague Ave.	Northbound	A.M.	1,192	F
	Southbound	A.M.	465	D
Aladdin Ave. between Teagarden St. and Alvarado St.	Eastbound	P.M.	746	E
	Westbound	P.M.	312	D
Alvarado St. between Aladdin Ave. and Montague Ave.	Northbound	P.M.	608	D
	Southbound	P.M.	670	D

Bold text indicates intersection operates at a deficient Level of Service.

Source: TJKM Traffic Impact Study 2017

Cumulative (Year 2035) Plus Project Conditions - Warehouse

The intersection LOS analysis results for Cumulative plus Project conditions assuming warehouse uses are shown in Table 24. As shown in the table, without the project the intersection of Alvarado Street and Montague Avenue is projected to operate at LOS F during the A.M. peak hour and LOS E during the P.M. peak hour. Trip generation, distribution, and assignment for the proposed project are identical to that assumed under Existing plus Project Conditions.

Table 24 Cumulative plus Project Conditions Intersection Level of Service – Warehouse

Intersection	Control	Peak Hour	Cumulative Conditions		Cumulative plus Project Conditions		Change in Delay ² (Sec)	Significant Impact?
			Delay ¹	LOS	Delay ¹	LOS		
Alvarado St. and Aladdin Ave.	Signalized	A.M.	50.2	D	52.2	D	1.9	No
		P.M.	30.5	C	31.7	C	1.2	No
Teagarden St. and Fairway Dr./Aladdin Ave.	Signalized	A.M.	42.2	D	42.5	D	0.3	No
		P.M.	51.9	D	51.9	D	0.5	No
Alvarado St. and Montague Ave.	Unsignalized	A.M.	319.5	F	362.5	F	39.6	No
		P.M.	39.9	E	41.3	E	1.4	No
Alvarado St. and Marina Blvd.	Signalized	A.M.	25.9	C	25.9	C	0.0	No
		P.M.	27.3	C	27.6	C	0.3	No
Teagarden St. and Marina Blvd.	Signalized	A.M.	32.2	C	32.2	C	0.0	No
		P.M.	32.0	C	32.0	C	0.0	No

¹ Whole intersection weighted average control delay expressed in seconds per vehicle for signalized intersections. Total control delay for the worst movement is presented for side-street stop – controlled intersections.

² Change in delay between Cumulative and Cumulative plus Project Conditions.

Bold text indicates intersection operates at a deficient Level of Service.

Source: TJKM Traffic Impact Study 2017

As shown in the table, under this scenario, all the intersections would operate within City of San Leandro standards of LOS D or better during the A.M. and P.M. peak hours except for the unsignalized intersection of Alvarado Street and Montague Avenue, which would operate at LOS F during the A.M. peak hour and LOS E during the P.M. peak hour with the proposed project (Table 24).

The most impacted movement for this side-street stop controlled intersection is the eastbound approach with 391.5 seconds of delay (LOS F) in the A.M. peak hour. During the A.M. peak hour, the projected volume is 28 vehicles on the eastbound approach. Therefore, the LOS F operations would only be experienced by those 28 vehicles. None of these 28 vehicles are generated by the proposed project. The project-generated traffic on Alvarado Street would increase the delay for side street motorists from 319.5 seconds to 362.5 seconds. The major street (Alvarado Street) volumes are high on both approaches. On the minor street (Montague Avenue), there are very few acceptable gaps during the morning peak. In particular, vehicles making eastbound left turns experience long wait times. Therefore, the LOS F operations only apply to the Montague Avenue eastbound approach. If this were a signalized intersection, the standard practice would be to report the average delay for all

traffic entering the intersection during the peak hour. In this case, the average delay for all motorists under cumulative conditions with project traffic is 7.9 seconds with LOS A.

The peak-hour signal warrant from the Manual of Uniform Traffic Control Devices (CA MUTCD) was evaluated for the unsignalized intersection of Alvarado Street and Montague Avenue. This intersection was found to not meet CA MUTCD peak hour signal warrants during the AM and PM peak hours for Cumulative and Cumulative plus Project Conditions. As it is the City’s policy and a best practice not to install signals that are not warranted, no signal is required for the intersection. Accordingly, this impact would not be significant. Therefore, based on the City of San Leandro LOS impact criteria, the project would have a less than significant impact at the study intersections during both A.M. and P.M. peak hours.

Two roadway segment operations were evaluated under cumulative traffic conditions in the year 2035. Both roadway segments were found to operate within City of San Leandro standards during the A.M. and P.M. peak hours (Table 25). As the project would not impact a roadway segment to change from LOS E to better to LOS F or, for those segments at LOS F, increase the volume to capacity ratio (V/C) by more than 0.02, the project would have a less than significant impact at the study segments during both A.M. and P.M. peak hours.

Table 25 Cumulative plus Project Conditions Roadway Segment Level of Service – Warehouse

Roadway Segment	Direction	Peak Hour	Cumulative Conditions		Cumulative plus Project Conditions		Change in V/C Ratio ¹	Change in Volume	Significant Impact?
			Volume	LOS	Volume	LOS			
Aladdin Ave. between Teagarden St. and Alvarado St.	Eastbound	A.M.	341	D	345	D	0.01	4	No
	Westbound	A.M.	793	F	795	F	0.00	2	No
Alvarado St. between Aladdin Ave. and Montague Ave.	Northbound	A.M.	1,192	F	1,195	F	0.00	3	No
	Southbound	A.M.	465	D	468	D	0.01	3	No
Aladdin Ave. between Teagarden St. and Alvarado St.	Eastbound	P.M.	746	E	747	E	0.00	1	No
	Westbound	P.M.	312	D	318	D	0.01	6	No
Alvarado St. between Aladdin Ave. and Montague Ave.	Northbound	P.M.	608	D	610	D	0.01	2	No
	Southbound	P.M.	670	D	680	D	0.00	10	No

¹ Volume to Capacity ratio.

Bold text indicates intersection operates at a deficient Level of Service.

Source: TJKM Traffic Impact Study 2017

Cumulative (Year 2035) Plus Project Conditions – Advance Manufacturing

The intersection LOS analysis results for Cumulative plus Project conditions assuming advanced manufacturing uses are shown in Table 26. All signalized intersections were found to operate within City of San Leandro standards during the A.M. and P.M. peak hours. The unsignalized intersection of Alvarado Street and Montague Avenue, which operates at LOS F during the A.M. peak hour and LOS

E during the P.M. peak hour, would operate below the City’s LOS standards. However, as described above, peak hour signal warrants were not met and therefore this impact would be less than significant. Based on the City of San Leandro LOS impact criteria, the project would have a less than significant impact at the study intersections during both A.M. and P.M. peak hours.

Table 26 Cumulative plus Project Conditions Intersection Level of Service – Advance Manufacturing

Intersection	Control	Peak Hour	Cumulative Conditions		Cumulative plus Project Conditions		Change in Delay ² (Sec)	Significant Impact?
			Delay ¹	LOS	Delay ¹	LOS		
Alvarado St. and Aladdin Ave.	Signalized	A.M.	50.2	D	55.0	D	4.8	No
		P.M.	30.5	C	33.7	C	3.2	No
Teagarden St. and Fairway Dr./Aladdin Ave.	Signalized	A.M.	42.2	D	42.4	D	0.2	No
		P.M.	51.9	D	51.8	D	-0.1	No
Alvarado St. and Montague Ave.	Unsignalized	A.M.	319.5	F	409.6	F	90.1	No
		P.M.	39.9	E	45.1	E	5.2	No
Alvarado St. and Marina Blvd.	Signalized	A.M.	25.9	C	26.1	C	0.2	No
		P.M.	27.3	C	28.7	C	1.4	No
Teagarden St. and Marina Blvd.	Signalized	A.M.	32.2	C	32.2	C	0.0	No
		P.M.	32.0	C	32.2	C	0.2	No

¹ Whole intersection weighted average control delay expressed in seconds per vehicle for signalized intersections. Total control delay for the worst movement is presented for side-street stop – controlled intersections.

² Change in delay between Cumulative and Cumulative plus Project Conditions.

Bold text indicates intersection operates at a deficient Level of Service.

Source: TJKM Traffic Impact Study 2017

Two roadway segment operations were evaluated under cumulative traffic conditions in the year 2035. Both roadway segments were found to operate within City of San Leandro standards during the A.M. and P.M. peak hours (Table 27). As the project would not impact a roadway segment to change from LOS E to better to LOS F or for those segments at LOS F did not change the volume to capacity ratio (V/C) by more than 0.02, the project would have a less than significant impact at the study segments during both A.M. and P.M. peak hours.

Table 27 Cumulative plus Project Conditions Roadway Segment Level of Service – Advance Manufacturing

Roadway Segment	Direction	Peak Hour	Cumulative Conditions		Cumulative plus Project Conditions		Change in V/C Ratio ¹	Change in Volume	Significant Impact?
			Volume	LOS	Volume	LOS			
Aladdin Ave. between Teagarden St. and Alvarado St.	Eastbound	A.M.	341	D	359	D	0.02	18	No
	Westbound	A.M.	793	F	795	F	0.00	2	No
Alvarado St. between Aladdin Ave. and Montague Ave.	Northbound	A.M.	1,192	F	1,195	F	0.00	3	No
	Southbound	A.M.	465	D	495	D	0.04	30	No
Aladdin Ave. between Teagarden St. and Alvarado St.	Eastbound	P.M.	746	E	748	E	0.00	2	No
	Westbound	P.M.	312	D	335	D	0.0	23	No
Alvarado St. between Aladdin Ave. and Montague Ave.	Northbound	P.M.	608	D	647	D	0.05	39	No
	Southbound	P.M.	670	D	674	D	0.01	4	No

¹ Volume to Capacity ratio.

Bold text indicates intersection operates at a deficient Level of Service.

Source: TJKM Traffic Impact Study 2017

LESS THAN SIGNIFICANT IMPACT

- b. *Would the project conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?*

According to the Alameda County Congestion Management Program (CMP), the LOS standard for Metropolitan Transportation System (MTS) roadways, which include the CMP roadway network, is LOS E, except for those locations at LOS F in 1991. Significant traffic impacts on MTS roadways in the study area are identified if the project causes either the operations on MTS roadways to deteriorate from LOS E or better to LOS F or an increase volume-to-capacity (v/c) ratio on an MTS roadway already operating at LOS F by more than three percent.

As discussed in the response to question (a) above, all the intersections evaluated in the traffic impact study would operate at acceptable levels of service (LOS E and better) in the existing and cumulative plus project scenarios during both A.M. and P.M. peak hours. Therefore, the project would not conflict with any San Leandro or Alameda County CMP impact criteria (TJKM 2017). This impact would be less than significant.

LESS THAN SIGNIFICANT IMPACT

- c. *Would the project result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?*

As discussed in Section 8, *Hazards and Hazardous Materials*, and Section 12, *Noise*, the nearest airport to the site is the Oakland International Airport, which is located three miles to the west. Although the project site is located inside the Oakland International Airport Influence Area, the project site is not located inside any of the eight Safety Compatibility Zones (Oakland International Airport 2010). The project would have no influence on air traffic patterns, and would not be affected by potential air traffic safety risks.

NO IMPACT

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

The project would not include hazardous design features, such as sharp curves or dangerous intersections, or create hazardous conditions by introducing incompatible uses. Project implementation would occur on the existing parcel, and would not alter or effect existing street and intersection networks. There would be no impact.

NO IMPACT

- e. *Would the project result in inadequate emergency access?*

The project site is directly accessible via driveways on Alvarado Street and Aladdin Avenue. Service and emergency vehicles would continue to have access to the proposed development via all the proposed driveways. No changes implemented by the project would result in inadequate emergency access, and there would be no impact.

NO IMPACT

- f. *Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise substantially decrease the performance or safety of such facilities?*

Transit Facilities

Rail service to the area is provided by BART, bus service is provide by Alameda-Contra Costa Transit District (AC Transit), and shuttle service is provided by San Leandro LINKS service. Each of these services is described below.

BART provides heavy-rail, regional transit service to Alameda, San Francisco, Contra Costa, and San Mateo counties from the San Leandro BART Station, located at Davis and San Leandro Boulevard, less than one mile northwest of the project site. BART's direct service from this station includes the Richmond-Fremont line, the Dublin-Pleasanton/Daly City-Millbrae line, and the Fremont/Daly City line (TJKM 2017).

AC Transit provides bus service in Alameda and western Contra Costa Counties serving 13 cities and the unincorporated areas of Alameda County. It operates local and school buses, as well as Transbay routes to San Francisco and the Peninsula. It is also a service provider for paratransit. Additionally, AC Transit is a participating transit provider for the regional All Nighter bus system, providing night owl bus service when BART is not operating. Buses are equipped with front-loading racks that can hold up to two bicycles (TKJM 2017).

The LINKS program is a free shuttle that provides transportation between San Leandro BART Station to major employment centers in west San Leandro. It is funded by a Business Improvement District fee and various grants including those from the Bay Area Air Quality Management District (BAAQMD). It is managed by the Transportation Management Organization and operated by M.V. Transportation. The shuttle operates every 20 minutes on non-holiday weekdays from 5:45 a.m. to 9:45 a.m., and from 3:00 p.m. to 8:00 p.m. (TJKM 2017). The South Loop of the shuttle serves the project site, with stops located on Alvarado Street in one block in either direction from the project site near Montague Avenue and Teagarden Street.

The project would involve onsite improvements only and therefore would not directly affect any transit facilities or affect the ability of LINKS to provide service on Alvarado Avenue. According to TKJM, the increase in transit trips associated with the project can be accommodated by the existing transit capacity. Therefore, the project would have a less than significant impact on existing public transit facilities and would not substantially decrease performance or safety.

Bicycle Facilities

The project is located near both Class II and Class III bicycle facilities. Class II facilities include striped bike lanes along Aladdin Avenue from Alvarado Street to Teagarden Street and on Teagarden Street from Aladdin Avenue to Alvarado Street. Class III facilities are bike routes denoted by signs that are shared with vehicles along the roadway, and are located on Aladdin Avenue west of Teagarden Street and on Alvarado Street south of Teagarden Street. There are adequate signage/markings for the bicyclists to maneuver without confusion. Overall, existing bicycle facilities provide adequate connectivity between the project site and the adjacent neighborhoods. The project would have no impact on these existing bicycle facilities and would not decrease performance or safety (TJKM 2017).

Pedestrian Facilities

Existing pedestrian facilities in the study area include sidewalks along both sides of Marina Boulevard, Alvarado Street, Teagarden, Montague Avenue, and Aladdin Avenue. All the existing sidewalks are approximately five to eight feet wide with adequate street lighting. Near the project, most of the study intersections have crosswalks. The project would not affect or degrade pedestrian facilities. The project would not result in significant impacts to existing or planned pedestrian facilities in the immediate vicinity of the project. Therefore, the impact to pedestrian facilities would be less than significant.

The TIS concluded that the project would not affect the pedestrian, bicycle, and transit network and would not result in significant impacts related to mobility in the study area (TJKM 2017).

LESS THAN SIGNIFICANT IMPACT

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17 Tribal Cultural Resources

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
<p>Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in a 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:</p>				
<p>a. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>b. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 2024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Existing Setting

Tribal cultural resources are defined as sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either of the following: 1) included or determined to be eligible for inclusion in the California Register of Historic Resources (CRHR) or 2) included in a local register of historical resources. Tribal cultural resources are also resources determined by the lead agency (i.e., City of San Leandro), in its discretion and supported by substantial evidence, to be significant. In making this determination, the lead agency is required to consider the significance of the resource to a California Native American tribe.

The CRHR includes resources listed in or formally determined eligible for listing in the National Register of Historic Places (NRHP). Pursuant to Public Resources Code, Section 21084.1, a “project that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment.” Demolition, replacement, substantial alteration, and relocation of historic properties are actions that would change the significance of an historic resource (California Code of Regulations, Title 14, 15064.5).

The project site contains industrial buildings typical of the late twentieth century. The project site was originally developed by Sherwin Williams in 1957 on vacant, undeveloped land. Sherwin Williams operated as a metal can manufacturing facility from 1957 to 1983, when the facility was

sold to U.S. Can Company who continued to operate as a metal can manufacturing facility (WSP 2017). In 1989, U.S. Can Company discontinued can manufacturing operations onsite. However, U.S. Can Company continued to utilize the building for warehouse operations until the property was purchased in 1994. From 1994 to present, the site has been used by various tenants primarily for warehouse and storage activities. No evidence of historic buildings, sites, structures or objects is present on the project site or in the project vicinity.

Impact Analysis

- a. *Would the project cause a substantial adverse change in the significance of a tribal cultural resource as defined in Public Resources Code 21074 that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?*
- b. *Would the project cause a substantial adverse change in the significance of a tribal cultural resource as defined in Public Resources Code 21074 that is 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 2024.1?*

The City prepared and sent letters via Certified Mail under AB 52 on August 7, 2017. No tribes inquired about or provided comments on the project. As described under the “Project Site Background and Existing Setting” section, the project has historically been used for industrial and warehouse purposes. The proposed excavation of the project site could potentially result in adverse effects on unanticipated tribal cultural resources. Impacts from the unanticipated discovery of tribal cultural resources during construction would be less than significant with mitigation incorporated.

Mitigation Measure

TCR-1 Unanticipated Discovery of Tribal Cultural Resources. In the event that cultural resources of Native American origin are identified during construction, the City shall consult with a qualified archaeologist and begin or continue Native American consultation procedures. If the City determines that the resource is a tribal cultural resource and thus significant under CEQA, a mitigation plan shall be prepared and implemented in accordance with state guidelines and in consultation with Native American groups. If the resource cannot be avoided, additional measures to avoid or reduce impacts to the resource and to address tribal concerns may be required.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

18 Utilities and Service Systems

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
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Would the project:

a. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

-
- a. *Would the project exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?*
- b. *Would the project require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?*

- e. *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?*

Wastewater collection and treatment for the project site is provided by the City of San Leandro Wastewater Treatment Division. The City of San Leandro provides operation and maintenance of the San Leandro Water Pollution Control Plant (SLWPCP), which serves about 55,000 residents, as well as businesses, in the northern two-thirds of San Leandro. The SLWPCP treatment plant is permitted by the RWQCB to provide secondary treatment of up to 7.6 million gallons per day (mgd) average daily dry weather flow (ADWF). In 2010, the actual ADWF from the Plant was 4.9 mgd. Thus, the SLWPCP had 2.7 mgd of unused permitted dry weather flow capacity in 2010. The San Francisco Regional Water Quality Control Board (SFRWQCB) established wastewater treatment requirements for the SLWPCP in a National Pollutant Discharge Elimination System (NPDES) Permit (Order No. R2-2012-0004), adopted in 2012 (San Leandro 2016f). The NPDES permit program was established in the CWA to regulate municipal and industrial discharges to surface waters of the United States. Federal NPDES permit regulations have been established for broad categories of discharges, including point-source municipal waste discharges and nonpoint-source stormwater runoff. NPDES permits generally identify effluent and receiving water limits on allowable connections and/or mass emissions of pollutants contained in the discharge, prohibitions on discharges not specifically allowed under the permit, and provisions that describe required actions by the discharger, including industrial pretreatment, pollution prevention, self-monitoring, and other activities.

The new development would include space to accommodate advanced manufacturing, which would generate wastewater. EBMUD’s Urban Water Management Plan (UWMP) does not include wastewater generation factors for manufacturing uses. In addition, regional and local wastewater generation rates were not available. As such, wastewater generation rates for manufacturing uses from the City of Los Angeles were used to estimate the amount of wastewater that would be generated by the project. As shown in Table 28, the project would generate approximately 12,756 gallons of wastewater per day. This estimate is conservative since it does not take into account the removal of existing uses that generate wastewater. This increase would be approximately 0.5 percent of the existing unused capacity of the RWQCP. Therefore, there would be sufficient wastewater capacity to serve the project site. The project would not exceed wastewater treatment requirements or require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities. The project would not result in a substantial physical deterioration of public wastewater facilities. Impacts would be less than significant.

Table 28 Estimated Wastewater Generation

Type of Use	Quantity	Generation Factor (per day)	Amount (gallons per day)
Advanced Manufacturing	159,450 sf	80 gallons/1000 sf*	12,756

*Manufacture or Industrial Facility rate used

Notes: gdp = gallons per day, sf= square feet

Source: City of Los Angeles CEQA Thresholds Guidelines (2006)

LESS THAN SIGNIFICANT IMPACT

- c. *Would the project require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?*

The project site is almost entirely paved with impervious surfaces, either concrete or asphalt concrete, and graded to facilitate drainage and prevent ponding. Currently, runoff from the site drains into catch basins located near the project site. The water flow from the storm drains collects in two separate underground vaults, from where it is pumped into a stormwater clarifier and filtration system. From the filtration system, the treated water flows into the municipal storm drain system by emptying into a storm drain located under Aladdin Avenue. The municipal storm drain system is maintained by the Alameda County Public Works Agency. This system of stormwater collection and filtration would not change with the project. However, the project would reduce the amount of impervious surfaces on the project site by approximately 4,150 square feet, which would incrementally increase the potential for groundwater recharge, reducing stormwater runoff from the site.

The project would include some changes to the site's stormwater collection system to accommodate the building's new foundation, including the use of bioswales for rainwater harvesting and using door skirts in the loading dock to minimize run-on and runoff. However, no changes in the collection system's capacity or overall function are proposed. The existing location is entirely paved and the project would reduce the amount of impervious surfaces on the project site. Therefore, the project would not substantially increase stormwater runoff from the project site such that new or expanded stormwater drainage facilities would be required. This impact would be less than significant.

LESS THAN SIGNIFICANT IMPACT

- d. *Would the project have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?*

Municipal water is provided to the project site by the EBMUD. Based on historical averages, about 90 percent of the water delivered by EBMUD originates from the Mokelumne River watershed, which is fed primarily from the melting snowpack of the Sierra Nevada. The Mokelumne River watershed upstream of Camanche Dam is relatively narrow and steep and is located northeast of the Sacramento-San Joaquin River Delta on the western slope of the Sierra Nevada. Above Camanche Dam, the Mokelumne River drains over 600 square miles of mountains and foothills. The remaining 10 percent originates as runoff from the protected watershed lands and reservoirs in the East Bay Hills (San Leandro 2016e).

Since the 1970s, San Leandro's water demand in EBMUD's service area has ranged from 200 to 220 million gallons per day (mgd) in non-drought years. The 2010 UWMP identifies a 2035 water demand forecast of 304 mgd for EBMUD's service area that can be reduced to 229 mgd with the successful implementation of water recycling and conservation programs.

Water is currently used at the development for general and sanitary purposes. Development of the project would increase demand for potable water. Assuming that water use is approximately 120 percent of wastewater generation (12,756 gpd) the project would demand approximately 15,307 gallons of water per day, or 17 acre-feet per year (AFY). This estimate is conservative since it does not take into account the removal of existing uses that demand water.

The projected water demand of approximately 15,307 is approximately 0.007 percent of the total project demand in the EBMUDs service territory (approximately 229 mgd). Therefore, the project would have sufficient water supplies available to serve the project from existing entitlements and resources. No new or expanded entitlements would be needed to serve the project. The project would not result in a substantial physical deterioration of public water facilities. Therefore, impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

- f. *Would the project be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?*
- g. *Would the project comply with federal, state, and local statutes and regulations related to solid waste?*

The project includes the demolition of three existing warehouses onsite totaling 133,994 square feet and the construction of a 159,450-square-foot building at 2756 Alvarado Street, which would accommodate office, warehouse, and/or advanced manufacturing uses. Construction activities would generate construction and demolition (C&D) debris. C&D debris constitutes as much as 16 percent of the materials deposited in Alameda County landfills (San Leandro 2017). In 2003, San Leandro adopted a Construction and Demolition Debris Recycling Ordinance to ensure that job site debris is recycled (SLMC Section 3-7). The Ordinance requires contractors to recycle 100 percent of all asphalt/concrete and 50 percent of all other C&D debris from construction and demolition projects. As of January 1, 2017, all residential and commercial projects must recycle and/or salvage for reuse a minimum of 65 percent of nonhazardous construction and demolition waste in accordance with the 2016 California Green Building Standards Code as a condition of approval on all building and/or demolition permits. To demonstrate compliance, the project applicant must complete a Waste Management Plan online and upload recycling and disposal receipts a minimum of every 30 days before scheduling the final inspection (San Leandro 2017). The project would be required to comply with all applicable local regulations to reduce solid waste disposal.

Currently, the City is contracted with Alameda County Industries (ACI) of San Leandro, for collection of garbage, recycling, and composting services in the city and with Waste Management of Alameda County to use the Davis Street Transfer Station and Recycling Park for waste recycling, organic processing, and residual transfer facility. ACI is directly adjacent to the northeast of the project site and would service the project.

According to the latest Disposal Facility Inspection Report in 2011, the peak tonnage is 802 tons per day (CalRecycle 2012). As Shown in Table 29, the project would generate 0.57 tons of solid waste per day. This incremental increase in solid waste would be within the permitted capacities of ACI. Therefore, the project would be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs. The project would not result in a substantial physical deterioration of public solid waste facilities. Impacts would be less than significant.

Table 29 Estimated Solid Waste Generation

Land Use	Size	Generation Factor	Total (lbs/day)	Total (tons/day)
Advanced Manufacturing	159,450 sf	1.42 / lbs 100 sf /day *	2,264	1.1
Total Solid Waste Sent to Landfill (assuming 50% diversion rate)			1,132	0.57

Notes: sf = square feet, lbs = pounds

*Manufacturing/warehouse generation rate was used

Source: CalRecycle Waste Generation Rates, <https://www2.calrecycle.ca.gov/WasteCharacterization/General/Rates>

LESS THAN SIGNIFICANT IMPACT

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19 Mandatory Findings of Significance

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
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Does the project:

- | | | | | |
|--|--------------------------|-------------------------------------|--------------------------|--------------------------|
| <p>a. Have the potential to substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?</p> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <p>b. 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)?</p> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <p>c. Have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?</p> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

a. *Does the project have the potential to substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?*

Based on the information and analysis provided throughout this Initial Study, implementation of the project would not substantially degrade the quality of the environment and would not substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of rare or endangered plants or animals, or eliminate important examples of California history or prehistory. Cultural resources, which illustrate examples of California history and prehistory, are discussed in Section 5, *Cultural Resources*. Mitigation measures CR-1 through CR-3 have been designed to reduce potential impacts of disturbing archaeological and paleontological resources, as well as human remains. Biological resources are addressed in Section 4, *Biological*

Resources. With Mitigation Measure BIO-1 related to nesting birds, the project would not substantially reduce wildlife habitat or population. Based on the ability of the identified mitigation measures to reduce potential impacts to less than significant levels, the project's impacts would be less than significant with mitigation incorporated.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

- 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)?*

Cumulative impacts with some of the resource areas have been addressed in the individual resource sections above: Air Quality, Greenhouse Gases, Water Supply, and Solid Waste (CEQA Guidelines Section 15064(h)(3).) and would be less than significant or less than significant with mitigation. Some of the other resource areas were determined to have no impact in comparison to existing conditions and therefore would not contribute to cumulative impacts, such as Mineral Resources and Agricultural Resources. As such, cumulative impacts in these issue areas would also be less than significant (not cumulatively considerable). The project would be expected to increase traffic compared to existing conditions. However, cumulative impacts would be less than significant. Therefore, implementation of the project would result in less than significant environmental impacts with implementation of the identified mitigation measures.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

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

Effects to human beings are generally associated with air quality, noise, traffic safety, geology/soils and hazards/hazardous materials. As discussed in this Initial Study, implementation of the project would result in less than significant environmental impacts with respect to these issue areas with mitigation incorporated. The geotechnical recommendations and mitigation measure discussed in Section 6, *Geology and Soils*, would ensure that soils and grounds are stable, and that liquefaction risks are less than significant. Mitigation Measure GEO-1 would reduce health and safety risks to human beings, and would result in less than significant impacts. The project would not cause substantial adverse effects on human beings, either directly or indirectly. Impacts would be less than significant with mitigation.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

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Appendix A

Geotechnical Investigation

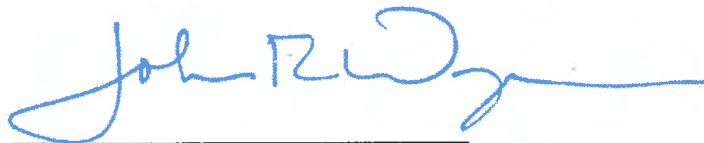
TYPE OF SERVICES	Geotechnical Investigation
PROJECT NAME	Alvarado Street Warehouse
LOCATION	2756 Alvarado Street San Leandro, California
CLIENT	Industrial Property Trust
PROJECT NUMBER	855-4-1
DATE	November 16, 2016

Type of Services	Geotechnical Investigation
Project Name	Alvarado Street Warehouse
Location	2756 Alvarado Street San Leandro, California
Client	Industrial Property Trust
Client Address	518 17th Street, Suite 1700 Denver, Colorado
Project Number	855-4-1
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APPENDIX B: LABORATORY TEST PROGRAM

APPENDIX C: SITE CORROSIVITY EVALUATION

Type of Services	Geotechnical Investigation
Project Name	Alvarado Street Warehouse
Location	2756 Alvarado Street San Leandro, California

SECTION 1: INTRODUCTION

This geotechnical report was prepared for the sole use of Industrial Property Trust for the warehouse project located at 2756 Alvarado Street in San Leandro, California. The location of the site is shown on the Vicinity Map, Figure 1. For our use, we were provided with the following documents:

- Site plan entitled “ALTA/NSPS Land Title Survey of 2756 Alvarado Street for Industrial Property Trust, Sheet 1”, prepared by Kier & Wright Civil Engineers & Surveyors, Inc., dated September 2016.
- Site plan entitled, “Site Layout Exhibit of 2756 Alvarado Street for Industrial Property Trust, Sheet EXH-1”, prepared by Kier & Wright Civil Engineers and Surveyors, Inc., dated September 2016.
- Site plan entitled “Conceptual Site Plan, Scheme 1, Alvarado Street, San Leandro, CA”, prepared by HPA Architecture, dated April 22, 2016.

1.1 PROJECT DESCRIPTION

The planned development will be a one story, high bay, at-grade, warehouse of concrete tilt-up construction. The new facility will total about 149,700 square feet with a footprint of approximately 300 feet by 500 feet on a 6.9-acre site. Approximately 10,000 square feet of the facility will be office space. At-grade parking for cars and trailers will surround the building. Loading docks will be located along the south side of the building. Appurtenant utilities, landscaping and other improvements necessary for site development are also planned.

Structural loads were not available at the time of this report and are anticipated to be typical of this type of structure. Grading is anticipated to include cut/fill of 1 to 3 feet for construction of the building pad and installation of utilities.

1.2 SCOPE OF SERVICES

Our scope of services was presented in our proposal dated August 31, 2016, and consisted of field and laboratory programs to evaluate physical and engineering properties of the subsurface soils, engineering analysis to prepare recommendations for site work and grading, building foundations, flatwork, retaining walls, and pavements, and preparation of this report. Brief descriptions of our exploration and laboratory programs are presented below.

1.3 EXPLORATION PROGRAM

Field exploration consisted of three borings drilled on September 22, 2016, with truck-mounted, hollow-stem auger drilling equipment and four Cone Penetration Tests (CPTs) advanced on September 16, 2016. The borings were drilled to depths of 20 to 40 feet; the CPTs were advanced to depths of 50 to 100 feet. Seismic shear wave velocity measurements were collected from CPT-3. The borings (Boring EB-1 through EB-3) were advanced adjacent to CPT-1, CPT-3 and CPT-4, respectively, for direct evaluation of physical samples to correlated soil behavior. One boring (P-1) was excavated to a depth of 3½ feet below the existing grade using hand auger equipment to use as a test hole for the insitu percolation test performed on September 30, 2016.

The borings and CPTs were backfilled with cement grout in accordance with local requirements; exploration permits were obtained as required by local jurisdictions.

The approximate locations of our exploratory borings are shown on the Site Plan, Figure 2. Details regarding our field program are included in Appendix A.

1.4 LABORATORY TESTING PROGRAM

In addition to visual classification of samples, the laboratory program focused on obtaining data for foundation design and seismic ground deformation estimates. Testing included moisture contents, dry densities, washed sieve analyses, Plasticity Index tests, and corrosion testing. Details regarding our laboratory program are included in Appendix B.

1.5 CORROSION EVALUATION

Three samples from our borings from depths from 2 to 6 feet were tested for saturated resistivity, pH, and soluble sulfates and chlorides. JDH Corrosion Consultants prepared a brief corrosion evaluation based on the laboratory data, which is attached to this report in Appendix C. In general, the on-site soils can be characterized as mildly to severely corrosive to buried metal, and non-corrosive to buried concrete.

1.6 ENVIRONMENTAL SERVICES

We understand that environmental services for the project are being provided by WSP. Therefore, WSP should review our geotechnical recommendations for compatibility with potential environmental concerns.

SECTION 2: REGIONAL SETTING

2.1 REGIONAL SEISMICITY

The San Francisco Bay Area region is one of the most seismically active areas in the Country. While seismologists cannot predict earthquake events, the U.S. Geological Survey’s Working Group on California Earthquake Probabilities 2015 revises earlier estimates from their 2008 (2008, [UCERF2](#)) publication. Compared to the previous assessment issued in 2008, the estimated rate of earthquakes around magnitude 6.7 (the size of the destructive 1994 Northridge earthquake) has gone down by about 30 percent. The expected frequency of such events statewide has dropped from an average of one per 4.8 years to about one per 6.3 years. However, in the new study, the estimate for the likelihood that California will experience a magnitude 8 or larger earthquake in the next 30 years has increased from about 4.7 percent for UCERF2 to about 7.0 percent for UCERF3.

UCERF3 estimates that each region of California will experience a magnitude 6.7 or larger earthquake in the next 30 years. Additionally, there is a 63 percent chance of at least one magnitude 6.7 or greater earthquake occurring in the Bay Area region between 2007 and 2036.

The faults considered capable of generating significant earthquakes are generally associated with the well-defined areas of crustal movement, which trend northwesterly. The table below presents the State-considered active faults within 25 kilometers of the site.

Table 1: Approximate Fault Distances

Fault Name	Distance	
	(miles)	(kilometers)
Hayward-Rodgers Creek	2.1	3.3
Calaveras	10.6	16.9
Mount Diablo Thrust	13.9	22.2

A regional fault map is presented as Figure 3, illustrating the relative distances of the site to significant fault zones.

SECTION 3: SITE CONDITIONS

3.1 SITE BACKGROUND

Based on historic aerial images provided by NETR Online, 2016, the site was occupied by agricultural land in an image dated 1946. The site is occupied by two warehouse buildings, parking areas along the west side of the property and a portion of the north side, a turf area on the west side of the larger building, a railroad spur along the southern property boundary, and Alvarado Street is visible in an image dated 1958. The two warehouses were combined to one, an addition was added to the east side of the combined building, and the paved parking was

extended to the east along the north side of the site in an image dated 1968. There is a small outbuilding on the north side of the building and the eastern portion of the site is occupied by a storage area in images dated 1980, 1987 and 1993. The turf area on the western side of the building is paved parking area in an image dated 2003. Significant changes to the site were not observed in images dated after 2003. The site is currently occupied by a one-story, at-grade commercial building, paved parking areas, truck docks, and landscape/planter areas.

3.2 SURFACE DESCRIPTION

The 6.9-acre site is located within an industrial and commercial area and is bounded by Aladdin Avenue to the north, Alvarado Street to the west, and existing commercial developments to the south and east. The site is occupied by a warehouse building and covered storage area on the western half of the site, and two smaller rectangular warehouse buildings on the eastern half of the site. The existing buildings are surrounded by surface parking and equipment storage areas, except along the southern edge of the site, where the former railroad spur area is covered with sparse grass and weeds.

The site is relatively level and at or near the elevation of the adjacent properties and roadways. Based on topographic data provided by Kier and Wright (2016), site grades range from approximately Elevation 37¾ feet above Mean Sea Level (MSL) in the southwestern portion of the site to Elevation 42 feet MSL in the northeastern portion of the site based on the National Geodetic Vertical Datum of 1929 (NGVD 29).

Surface pavements generally consisted of 2 to 4 inches of asphalt concrete over 4 to 5 inches of aggregate base. Based on visual observations, the existing pavement is in poor condition.

3.3 SUBSURFACE CONDITIONS

Below the surface pavement, our explorations generally encountered native alluvial soil; however, undocumented fill consisting of medium dense silty sand with gravel was encountered in EB-2 to a depth of 1¼ feet below the existing grade. We anticipate the existing buildings are underlain by 2 to 4 feet of undocumented fill that was likely placed during original site development.

The alluvial soil consisted of medium stiff to hard lean clay with sand, medium stiff to stiff lean clay, and medium stiff sandy lean clay. Poorly graded sand was encountered in EB-1 and EB-3 at depths of 5 to 8 feet and 5 to 12 feet below the existing grades, respectively. Clayey sand with gravel was encountered in EB-1 and EB-3 at depths of 27 to 30 feet. Silty sand with gravel was encountered in EB-2 at depths of 4¾ to 8½ feet and 27 to 37 feet below the existing grade. Silty sand was encountered a depths of 18 to 19 feet below the existing grade.

Our CPTs indicated soil behavior types such as clay, silty clay to clay, clayey silt to silty clay, sand to silty sand, and sand to a depth of 100 feet below the existing grade, the maximum depth explored. Our CPTs indicated soil behavior types such as sand to silty sand and sand at depths of about 6 to 8 feet and about 28 to 38 feet at CPT-1 and CPT-2, at about 6 to 7 feet, 30 to 40 feet, and 55 to 65 feet at CPT-3, and at about 5 to 13 feet and 31 to 38 feet at CPT-4.

3.3.1 Plasticity/Expansion Potential

We performed four Plasticity Index (PI) tests on representative samples. Test results were used to evaluate expansion potential of surficial soils, and the plasticity of the fines in potentially liquefiable layers. The results of the surficial PI tests indicated PIs ranging from 14 to 22, indicating low to moderate expansion potential to wetting and drying cycles.

3.3.2 In-Situ Moisture Contents

Laboratory testing indicated that the in-situ moisture contents within the upper 10 feet range from 5 to 15 percent over the estimated laboratory optimum moisture.

3.4 GROUND WATER

Ground water was encountered and measured in our exploratory borings at depths of 19½ to 21½ feet below the existing grades. A pore pressure dissipation test performed at CPT-2 indicated a ground water level of 14½ feet below the existing grade. Based on our review of California Geologic Survey historic high ground water maps for the area (CGS, San Leandro 7.5-Minute Quadrangle, 2003) and review of nearby monitoring well data through Geotracker (<http://www.envirostor.dtsc.ca.gov/public/>), we estimate high groundwater to be about 14 feet below the surface.

All measurements were taken at the time of drilling and may not represent the stabilized levels that can be higher than the initial levels encountered.

Fluctuations in ground water levels occur due to many factors including seasonal fluctuation, underground drainage patterns, regional fluctuations, and other factors.

SECTION 4: GEOLOGIC HAZARDS

4.1 FAULT RUPTURE

As discussed above several significant faults are located within 25 kilometers of the site. The site is not located within a State-designated Alquist Priolo Earthquake Fault Zone. As shown in Figure 3, no known surface expression of fault traces is thought to cross the site; therefore, fault rupture hazard is not a significant geologic hazard at the site.

4.2 ESTIMATED GROUND SHAKING

Moderate to severe (design-level) earthquakes can cause strong ground shaking, which is the case for most sites within the Bay Area. A peak ground acceleration (PGA) of 0.79g was estimated for analysis using a value equal to $PGA_M = F_{PGA} \times PGA_G$ (Equation 11.8-1) as allowed in the 2013 California Building Code (CBC).

4.3 LIQUEFACTION POTENTIAL

The site is within a State-designated Liquefaction Hazard Zone (CGS, San Leandro Quadrangle, 2003). Our field and laboratory programs addressed this issue by testing and sampling potentially liquefiable layers to depths of at least 50 feet, performing visual classification on sampled materials, evaluating CPT data, and performing various tests to further classify soil properties.

4.3.1 Background

During strong seismic shaking, cyclically induced stresses can cause increased pore pressures within the soil matrix that can result in liquefaction triggering, soil softening due to shear stress loss, potentially significant ground deformation due to settlement within sandy liquefiable layers as pore pressures dissipate, and/or flow failures in sloping ground or where open faces are present (lateral spreading) (NCEER 1998). Limited field and laboratory data is available regarding ground deformation due to settlement; however, in clean sand layers settlement on the order of 2 to 4 percent of the liquefied layer thickness can occur. Soils most susceptible to liquefaction are loose, non-cohesive soils that are saturated and are bedded with poor drainage, such as sand and silt layers bedded with a cohesive cap.

4.3.2 Analysis

As discussed in the “Subsurface” section above, several sand layers were encountered below the design ground water depth of 14 feet. Following the liquefaction analysis framework in the 2008 monograph, *Soil Liquefaction During Earthquakes* (Idriss and Boulanger, 2008), incorporating updates in *CPT and SPT Based Liquefaction Triggering Procedures* (Boulanger and Idriss, 2014), and in accordance with CDMG Special Publication 117A guidelines (CDMG, 2008) for quantitative analysis, these layers were analyzed for liquefaction triggering and potential post-liquefaction settlement. These methods compare the ratio of the estimated cyclic shaking (Cyclic Stress Ratio - CSR) to the soil’s estimated resistance to cyclic shaking (Cyclic Resistance Ratio - CRR), providing a factor of safety against liquefaction triggering. Factors of safety less than or equal to 1.3 are considered to be potentially liquefiable and capable of post-liquefaction re-consolidation (i.e. settlement).

The CSR for each layer quantifies the stresses anticipated to be generated due to a design-level seismic event, is based on the peak horizontal acceleration generated at the ground surface discussed in the “Estimated Ground Shaking” section above, and is corrected for overburden and stress reduction factors as discussed in the procedure developed by Seed and Idriss (1971) and updated in the 2008 Idriss and Boulanger monograph.

The soil’s CRR is estimated from the in-situ measurements from CPTs and laboratory testing on samples retrieved from our borings. SPT “N” values obtained from hollow-stem auger borings were not used in our analyses, as the “N” values obtained are less reliable in sands below ground water. The tip pressures are corrected for effective overburden stresses, taking into consideration both the ground water level at the time of exploration and the design ground water level, and stress reduction versus depth factors. The CPT method utilizes the soil behavior type

index (I_c) to estimate the plasticity of the layers. Selected soil samples collected from Borings EB-1 through EB-3 that were drilled adjacent to CPT-1, CPT-3, and CPT-4, respectively, were tested to evaluate grain size, as well as visually observed for confirmation of CPT soil behavior types.

In estimating post-liquefaction settlement at the site, we have implemented a depth weighting factor proposed by Cetin (2009). Following evaluation of 49 high-quality, cyclically induced, ground settlement case histories from seven different earthquakes, Cetin proposed the use of a weighting factor based on the depth of layers. The weighting procedure was used to tune the surface observations at liquefaction sites to produce a better model fit with measured data. Aside from the better model fit it produced, the rationale behind the use of a depth weighting factor is based on the following: 1) upward seepage, triggering void ratio redistribution, and resulting in unfavorably higher void ratios for the shallower sublayers of soil layers; 2) reduced induced shear stresses and number of shear stress cycles transmitted to deeper soil layers due to initial liquefaction of surficial layers; and 3) possible arching effects due to nonliquefied soil layers. All these may significantly reduce the contribution of volumetric settlement of deeper soil layers to the overall ground surface settlement (Cetin, 2009).

The results of our CPT analyses (CPT-1 through CPT-4) are presented on Figures 4A through 4D of this report.

4.3.3 Summary

Our analyses indicate that several layers could potentially experience liquefaction triggering that could result in post-liquefaction total settlement at the ground surface ranging from $\frac{1}{2}$ - to $\frac{3}{4}$ -inch based on the Yoshimine (2006) method. As discussed in SP 117A, differential movement for level ground sites over deep soil sites will be up to about two-thirds of the total settlement between independent foundation elements. In our opinion, differential settlements are anticipated to be on the order of $\frac{1}{2}$ -inch between independent foundation elements, assumed to be approximately 50 feet apart.

4.3.4 Ground Rupture Potential

The methods used to estimate liquefaction settlements assume that there is a sufficient cap of non-liquefiable material to prevent ground rupture or sand boils. For ground rupture to occur, the pore water pressure within the liquefiable soil layer will need to be great enough to break through the overlying non-liquefiable layer, which could cause significant ground deformation and settlement. The work of Youd and Garris (1995) indicates that the 15- to 17-foot thick layer of non-liquefiable cap is sufficient to prevent ground rupture; therefore the above total settlement estimates are reasonable.

4.4 LATERAL SPREADING

Lateral spreading is horizontal/lateral ground movement of relatively flat-lying soil deposits towards a free face such as an excavation, channel, or open body of water; typically lateral spreading is associated with liquefaction of one or more subsurface layers near the bottom of

the exposed slope. As failure tends to propagate as block failures, it is difficult to analyze and estimate where the first tension crack will form.

There are no open faces located within 500 feet of the site; therefore, in our opinion, the potential for lateral spreading to affect the site is low.

4.5 SEISMIC SETTLEMENT/UNSATURATED SAND SHAKING

Loose unsaturated sandy soils can settle during strong seismic shaking. We evaluated the potential for seismic compaction of the medium dense silty and clayey sand based on the work by Pradell (1998). Our analyses indicate the sand layers above the design ground water depth of 14 feet could result in seismic settlement of ¼-inch.

4.6 TSUNAMI/SEICHE

The terms tsunami or seiche are described as ocean waves or similar waves usually created by undersea fault movement or by a coastal or submerged landslide. Tsunamis may be generated at great distance from shore (far field events) or nearby (near field events). Waves are formed, as the displaced water moves to regain equilibrium, and radiates across the open water, similar to ripples from a rock being thrown into a pond. When the waveform reaches the coastline, it quickly raises the water level, with water velocities as high as 15 to 20 knots. The water mass, as well as vessels, vehicles, or other objects in its path create tremendous forces as they impact coastal structures.

Tsunamis have affected the coastline along the Pacific Northwest during historic times. The Fort Point tide gauge in San Francisco recorded approximately 21 tsunamis between 1854 and 1964. The 1964 Alaska earthquake generated a recorded wave height of 7.4 feet and drowned eleven people in Crescent City, California. For the case of a far-field event, the Bay area would have hours of warning; for a near field event, there may be only a few minutes of warning, if any.

A tsunami or seiche originating in the Pacific Ocean would lose much of its energy passing through San Francisco Bay. Based on the study of tsunami inundation potential for the San Francisco Bay Area (Ritter and Dupre, 1972), areas most likely to be inundated are marshlands, tidal flats, and former bay margin lands that are now artificially filled, but are still at or below sea level, and are generally within 1½ miles of the shoreline. The site is approximately 2 mile east of the San Francisco Bay, and tsunami inundation maps by CGS (2009) indicate that the site is outside of an inundation area. Therefore, the potential for inundation due to tsunami or seiche appears to be low.

4.7 FLOODING

Based on our internet search of the Federal Emergency Management Agency (FEMA) flood map public database, the site is located within Zone X, "Areas determined to be outside the 0.2% annual chance floodplain". We recommend the project civil engineer be retained to confirm this information and verify the base flood elevation, if appropriate.

SECTION 5: CONCLUSIONS

5.1 SUMMARY

From a geotechnical viewpoint, the project is feasible provided the concerns listed below are addressed in the project design. Descriptions of each concern with brief outlines of our recommendations follow the listed concerns.

- Potential for liquefaction-induced settlement
- Presence of undocumented fill
- Presence of expansive soil
- Soil corrosion potential

5.1.1 Potential for Liquefaction-Induced Settlement

As discussed, our liquefaction analysis indicates that there is a potential for liquefaction of localized sand layers during a significant seismic event. Although the potential for liquefied sands to vent to the ground surface through cracks in the surficial soils is low, our analysis indicates that liquefaction-induced settlement on the order of ½- to ¾-inch could occur, resulting in differential settlement up to ½-inch between independent foundation elements. Foundations should be designed to tolerate the anticipated total and differential settlement. Based on the anticipated foundation loads, it should be feasible to support the proposed building on shallow foundations; however, the building foundations will need to be designed to tolerate total and differential settlement due to static loads and liquefaction-induced settlement. Detailed foundation recommendations are presented in the “Foundations” section.

5.1.2 Presence of Undocumented Fill

As discussed in Section 3.2, undocumented fill was encountered to a depth of 1¼ feet in Boring EB-2. Deeper fills should be anticipated in the existing warehouse building areas and former railroad spur area and planned for by the contractor. The proposed structure can be supported on shallow foundations provided that remedial grading include over-excavation and re-compaction of undocumented fill within the building footprint. Refer to Section 6.2 for additional recommendations.

5.1.3 Expansive Soil

Based on the results of our laboratory testing, moderately expansive soil was encountered in the surficial soils that blanket the site. Expansive soils can undergo significant volume change with changes in moisture content. They shrink and harden when dried and expand and soften when wetted. To reduce the potential for damage to the planned structures, slabs-on-grade should have sufficient reinforcement and be supported on a layer of non-expansive fill; footings should extend below the zone of seasonal moisture fluctuation. In addition, it is important to

limit moisture changes in the surficial soils by using positive drainage away from buildings as well as limiting landscaping watering. Grading and foundation recommendations addressing this concern are presented in the following sections of this report.

5.1.4 Soil Corrosion Potential

A preliminary soil corrosion screening was performed by JDH Corrosion Consultants based on the results of analytical tests on samples of the near-surface soil. In general, the JDH report concludes that the corrosion potential for buried concrete does not warrant the use of sulfate resistant concrete. In addition, the corrosion potential for buried metallic structures, such as metal pipes, is considered corrosive. JDH recommends that special requirements for corrosion control be made to protect metal pipes. A more detailed discussion of the site corrosion evaluation is presented in Appendix C. As the preliminary soil corrosion screening was based on the results of limited sampling, consideration may be given to collecting and testing additional samples from the upper 5 feet for sulfates and pH to confirm the classification of corrosive to mortar coated steel and concrete.

5.2 PLANS AND SPECIFICATIONS REVIEW

We recommend that we be retained to review the geotechnical aspects of the project structural, civil, and landscape plans and specifications, allowing sufficient time to provide the design team with any comments prior to issuing the plans for construction.

5.3 CONSTRUCTION OBSERVATION AND TESTING

As site conditions may vary significantly between the small-diameter borings performed during this investigation, we also recommend that a Cornerstone representative be present to provide geotechnical observation and testing during earthwork and foundation construction. This will allow us to form an opinion and prepare a letter at the end of construction regarding contractor compliance with project plans and specifications, and with the recommendations in our report. We will also be allowed to evaluate any conditions differing from those encountered during our investigation, and provide supplemental recommendations as necessary. For these reasons, the recommendations in this report are contingent of Cornerstone providing observation and testing during construction. Contractors should provide at least a 48-hour notice when scheduling our field personnel.

SECTION 6: EARTHWORK

6.1 SITE DEMOLITION, CLEARING AND PREPARATION

6.1.1 Site Stripping

The site should be stripped of all surface vegetation, and surface and subsurface improvements within the proposed development area. Demolition of existing improvements is discussed in detail below. A detailed discussion of removal of existing fills is provided later in this report. Surface vegetation and topsoil should be stripped to a sufficient depth to remove all material

greater than 3 percent organic content by weight. Based on our site observations, surficial stripping should extend about 3 to 4 inches below existing grade in vegetated areas.

6.1.2 Tree and Shrub Removal

Trees and shrubs designated for removal should have the root balls and any roots greater than ½-inch diameter removed completely. Mature trees are estimated to have root balls extending to depths of 2 to 4 feet, depending on the tree size. Significant root zones are anticipated to extend to the diameter of the tree canopy. Grade depressions resulting from root ball removal should be cleaned of loose material and backfilled in accordance with the recommendations in the “Compaction” section of this report.

6.1.3 Demolition of Existing Slabs, Foundations and Pavements

All slabs, foundations, and pavements should be completely removed from within planned building areas. Slabs, foundations, and pavements that extend into planned flatwork, pavement, or landscape areas may be left in place provided there is at least 3 feet of engineered fill overlying the remaining materials, they are shown not to conflict with new utilities, and that asphalt and concrete more than 10 feet square is broken up to provide subsurface drainage. A discussion of recycling existing improvements is provided later in this report.

6.1.4 Abandonment of Existing Utilities

All utilities should be completely removed from within planned building areas. For any utility line to be considered acceptable to remain within building areas, the utility line must be completely backfilled with grout or sand-cement slurry (sand slurry is not acceptable), the ends outside the building area capped with concrete, and the trench fills either removed and replaced as engineered fill with the trench side slopes flattened to at least 1:1, or the trench fills are determined not to be a risk to the structure. The assessment of the level of risk posed by the particular utility line will determine whether the utility may be abandoned in place or needs to be completely removed. The contractor should assume that all utilities will be removed from within building areas unless provided written confirmation from both the owner and the geotechnical engineer.

Utilities extending beyond the building area may be abandoned in place provided the ends are plugged with concrete, they do not conflict with planned improvements, and that the trench fills do not pose significant risk to the planned surface improvements.

The risks associated with abandoning utilities in place include the potential for future differential settlement of existing trench fills, and/or partial collapse and potential ground loss into utility lines that are not completely filled with grout. In general, the risk is relatively low for single utility lines less than 4 inches in diameter, and increases with increasing pipe diameter.

6.2 REMOVAL OF EXISTING FILLS

As discussed, undocumented fill was encountered to a depth of 1¼ feet below the existing grade; however, deeper fills should be anticipated within the existing warehouse buildings areas and along the former railroad spur at the southern edge of the site. All fills should be completely removed from within building areas and to a lateral distance of at least 5 feet beyond the building footprint or to a lateral distance equal to fill depth below the perimeter footing, whichever is greater. Provided the fills meet the “Material for Fill” requirements below, the fills may be reused when backfilling the excavations. Based on review of the samples collected from Boring EB-2, it appears that the fill may be reused. If materials are encountered that do not meet the requirements, such as debris, wood, trash, those materials should be screened out of the remaining material and be removed from the site. Backfill of excavations should be placed in lifts and compacted in accordance with the “Compaction” section below.

Fills extending into planned pavement and flatwork areas may be left in place provided they are determined to be a low risk for future differential settlement and that the upper 12 to 18 inches of fill below pavement subgrade is re-worked and compacted as discussed in the “Compaction” section below. In our opinion, the fills encountered at this site are not acceptable to be left in place.

6.3 TEMPORARY CUT AND FILL SLOPES

The contractor is responsible for maintaining all temporary slopes and providing temporary shoring where required. Temporary shoring, bracing, and cuts/fills should be performed in accordance with the strictest government safety standards. On a preliminary basis, the upper 10 feet at the site may be classified as OSHA Soil Type C materials.

Excavations performed during site demolition and fill removal should be sloped at 3:1 (horizontal:vertical) within the upper 5 feet below building subgrade. Excavations extending more than 5 feet below building subgrade and excavations in pavement and flatwork areas should be sloped at a 1:1 inclination unless the OSHA soil classification indicates that slope should not exceed 1.5:1.

6.4 SUBGRADE PREPARATION

After site clearing and demolition is complete, and prior to backfilling any excavations resulting from fill removal or demolition, the excavation subgrade and subgrade within areas to receive additional site fills, slabs-on-grade and/or pavements should be scarified to a depth of 6 inches, moisture conditioned, and compacted in accordance with the “Compaction” section below.

6.5 SUBGRADE STABILIZATION MEASURES

Soil subgrade and fill materials, especially soil with high fines contents such as clay and silty soil, can become unstable due to high moisture content, whether from high in-situ moisture contents or from winter rains. As the moisture content increases over the laboratory optimum, it

becomes more likely the materials will be subject to softening and yielding (pumping) from construction loading or become unworkable during placement and compaction.

As discussed in the “Subsurface” section in this report, the in-situ moisture contents are about 5 to 15 percent over the estimated laboratory optimum in the upper 10 feet of the soil profile. The contractor should anticipate drying the soils prior to reusing them as fill. In addition, repetitive rubber-tire loading will likely de-stabilize the soils.

There are several methods to address potential unstable soil conditions and facilitate fill placement and trench backfill. Some of the methods are briefly discussed below. Implementation of the appropriate stabilization measures should be evaluated on a case-by-case basis according to the project construction goals and the particular site conditions.

6.5.1 Scarification and Drying

The subgrade may be scarified to a depth of 6 to 8 inches and allowed to dry to near optimum conditions, if sufficient dry weather is anticipated to allow sufficient drying. More than one round of scarification may be needed to break up the soil clods.

6.5.2 Removal and Replacement

As an alternative to scarification, the contractor may choose to over-excavate the unstable soils and replace them with dry on-site or import materials. A Cornerstone representative should be present to provide recommendations regarding the appropriate depth of over-excavation, whether a geosynthetic (stabilization fabric or geogrid) is recommended, and what materials are recommended for backfill.

6.5.3 Chemical Treatment

Where the unstable area exceeds about 5,000 to 10,000 square feet and/or site winterization is desired, chemical treatment with quicklime (CaO), kiln-dust, or cement may be more cost-effective than removal and replacement. Recommended chemical treatment depths will typically range from 12 to 18 inches depending on the magnitude of the instability.

6.6 MATERIAL FOR FILL

6.6.1 Re-Use of On-site Soil

On-site soils with an organic content less than 3 percent by weight may be reused as general fill. General fill should not have lumps, clods or cobble pieces larger than 6 inches in diameter; 85 percent of the fill should be smaller than 2½ inches in diameter. Minor amounts of oversize material (smaller than 12 inches in diameter) may be allowed provided the oversized pieces are not allowed to nest together and the compaction method will allow for loosely placed lifts not exceeding 12 inches.

6.6.2 Re-Use of On-Site Site Improvements

We anticipate that significant quantities of asphalt concrete (AC) grindings and aggregate base (AB) and Portland Cement Concrete (PCC) will be generated during site demolition. If the AC grindings are mixed with the underlying AB to meet Class 2 AB specifications, they may be reused within the new pavement and flatwork structural sections. AC/AB grindings may not be reused within the office portions of the warehouse building. Laboratory testing will be required to confirm the grindings meet project specifications. Due to the existing alligator cracking of the AC pavements, it is likely that the grinding operation will leave significant oversized chunks and may not meet the Class 2 AB gradation requirements but may meet Caltrans subbase requirements. Depending on the quantities of oversized material, the grindings may still be used within the structural section; however, the pavement design will need to be modified to account for the difference, typically resulting in the addition of about 1 inch to the structural section.

If the site area allows for on-site pulverization of PCC and provided the PCC is pulverized to meet the "Material for Fill" requirements of this report, it may be used as select fill within the warehouse building area, excluding the capillary break layer; as typically pulverized PCC comes close to or meets Class 2 AB specifications, the recycled PCC may likely be used within the pavement structural sections. PCC grindings also make good winter construction access roads, similar to a cement-treated base (CTB) section.

6.6.3 Potential Import Sources

Imported and non-expansive material should be inorganic with a Plasticity Index (PI) of 15 or less, and not contain recycled asphalt concrete where it will be used within the building areas. To prevent significant caving during trenching or foundation construction, imported material should have sufficient fines. Samples of potential import sources should be delivered to our office at least 10 days prior to the desired import start date. Information regarding the import source should be provided, such as any site geotechnical reports. If the material will be derived from an excavation rather than a stockpile, potholes will likely be required to collect samples from throughout the depth of the planned cut that will be imported. At a minimum, laboratory testing will include PI tests. Material data sheets for select fill materials (Class 2 aggregate base, $\frac{3}{4}$ -inch crushed rock, quarry fines, etc.) listing current laboratory testing data (not older than 6 months from the import date) may be provided for our review without providing a sample. If current data is not available, specification testing will need to be completed prior to approval.

Environmental and soil corrosion characterization should also be considered by the project team prior to acceptance. Suitable environmental laboratory data to the planned import quantity should be provided to the project environmental consultant; additional laboratory testing may be required based on the project environmental consultant's review. The potential import source should also not be more corrosive than the on-site soils, based on pH, saturated resistivity, and soluble sulfate and chloride testing.

6.6.4 Non-Expansive Fill Using Lime Treatment

As discussed above, non-expansive fill should have a Plasticity Index (PI) of 15 or less. Due to the high clay content and PI of the on-site soil materials, it is not likely that sufficient quantities of non-expansive fill would be generated from cut materials. As an alternative to importing non-expansive fill, chemical treatment can be considered to create non-expansive fill. It has been our experience that for moderate PI clayey soil materials will likely need to be mixed with at least 3 to 4 percent quicklime (CaO) or approved equivalent to adequately reduce the PI of the on-site soils to 15 or less. If this option is considered, additional laboratory tests should be performed during initial site grading to further evaluate the optimum percentage of quicklime required.

6.7 COMPACTION REQUIREMENTS

All fills, and subgrade areas where fill, slabs-on-grade, and pavements are planned, should be placed in loose lifts 8 inches thick or less and compacted in accordance with ASTM D1557 (latest version) requirements as shown in the table below. In general, clayey soils should be compacted with sheepsfoot equipment and sandy/gravelly soils with vibratory equipment; open-graded materials such as crushed rock should be placed in lifts no thicker than 18 inches consolidated in place with vibratory equipment. Each lift of fill and all subgrade should be firm and unyielding under construction equipment loading in addition to meeting the compaction requirements to be approved. The contractor (with input from a Cornerstone representative) should evaluate the in-situ moisture conditions, as the use of vibratory equipment on soils with high moistures can cause unstable conditions. General recommendations for soil stabilization are provided in the “Subgrade Stabilization Measures” section of this report. Where the soil’s PI is 20 or greater, the expansive soil criteria should be used.

Table 2: Compaction Requirements

Description	Material Description	Minimum Relative ¹ Compaction (percent)	Moisture ² Content (percent)
General Fill (within upper 5 feet)	On-Site Expansive Soils	87 – 92	>3
	Low Expansion Soils	90	>1
General Fill (below a depth of 5 feet)	On-Site Expansive Soils	95	>3
	Low Expansion Soils	95	>1
Trench Backfill	On-Site Expansive Soils	87 – 92	>3
Trench Backfill	Low Expansion Soils	90	>1
Trench Backfill (upper 6 inches of subgrade)	On-Site Low Expansion Soils	95	>1
Crushed Rock Fill	¾-inch Clean Crushed Rock	Consolidate In-Place	NA

Table 2 continued on the next page.

Table 2 (cont.): Compaction Requirements

Description	Material Description	Minimum Relative Compaction (percent)	Moisture ² Content (percent)
Non-Expansive Fill	Imported Non-Expansive Fill	90	Optimum
Flatwork Subgrade	On-Site Expansive Soils	87 - 92	>3
Flatwork Subgrade	Low Expansion Soils	90	>1
Flatwork Aggregate Base	Class 2 Aggregate Base ³	90	Optimum
Pavement Subgrade	On-Site Expansive Soils	87 - 92	>3
Pavement Subgrade	Low Expansion Soils	95	>1
Pavement Aggregate Base	Class 2 Aggregate Base ³	95	Optimum
Asphalt Concrete	Asphalt Concrete	95 (Marshall)	NA

1 – Relative compaction based on maximum density determined by ASTM D1557 (latest version)

2 – Moisture content based on optimum moisture content determined by ASTM D1557 (latest version)

3 – Class 2 aggregate base shall conform to Caltrans Standard Specifications, latest edition, except that the relative compaction should be determined by ASTM D1557 (latest version)

6.7.1 Construction Moisture Conditioning

Expansive soils can undergo significant volume change when dried then wetted. The contractor should keep all exposed expansive soil subgrade (and also trench excavation side walls) moist until protected by overlying improvements (or trenches are backfilled). If expansive soils are allowed to dry out significantly, re-moisture conditioning may require several days of re-wetting (flooding is not recommended), or deep scarification, moisture conditioning, and re-compaction.

6.8 TRENCH BACKFILL

Utility lines constructed within public right-of-way should be trenched, bedded and shaded, and backfilled in accordance with the local or governing jurisdictional requirements. Utility lines in private improvement areas should be constructed in accordance with the following requirements unless superseded by other governing requirements.

All utility lines should be bedded and shaded to at least 6 inches over the top of the lines with crushed rock (3/8-inch-diameter or greater) or well-graded sand and gravel materials conforming to the pipe manufacturer’s requirements. Open-graded shading materials should be consolidated in place with vibratory equipment and well-graded materials should be compacted to at least 90 percent relative compaction with vibratory equipment prior to placing subsequent backfill materials.

General backfill over shading materials may consist of on-site native materials provided they meet the requirements in the “Material for Fill” section, and are moisture conditioned and compacted in accordance with the requirements in the “Compaction” section.

Where utility lines will cross perpendicular to strip footings, the footing should be deepened to encase the utility line, providing sleeves or flexible cushions to protect the pipes from anticipated foundation settlement, or the utility lines should be backfilled to the bottom of footing with sand-cement slurry or lean concrete. Where utility lines will parallel footings and will extend below the “foundation plane of influence,” an imaginary 1:1 plane projected down from the bottom edge of the footing, either the footing will need to be deepened so that the pipe is above the foundation plane of influence or the utility trench will need to be backfilled with sand-cement slurry or lean concrete within the influence zone. Sand-cement slurry used within foundation influence zones should have a minimum compressive strength of 75 psi.

On expansive soils sites it is desirable to reduce the potential for water migration into building and pavement areas through the granular shading materials. We recommend that a plug of low-permeability clay soil, sand-cement slurry, or lean concrete be placed within trenches just outside where the trenches pass into building and pavement areas.

6.9 SITE DRAINAGE

Ponding should not be allowed adjacent to building foundations, slabs-on-grade, or pavements. Hardscape surfaces should slope at least 2 percent towards suitable discharge facilities; landscape areas should slope at least 3 percent towards suitable discharge facilities. Roof runoff should be directed away from building areas in closed conduits, to approved infiltration facilities, or on to hardscaped surfaces that drain to suitable facilities. Retention, detention or infiltration facilities should be spaced at least 10 feet from buildings, and preferably at least 5 feet from slabs-on-grade or pavements. However, if retention, detention or infiltration facilities are located within these zones, we recommend that these treatment facilities meet the requirements in the Storm Water Treatment Design Considerations section of this report.

6.10 LOW-IMPACT DEVELOPMENT (LID) IMPROVEMENTS

The Municipal Regional Permit (MRP) requires regulated projects to treat 100 percent of the amount of runoff identified in Provision C.3.d from a regulated project’s drainage area with low impact development (LID) treatment measures onsite or at a joint stormwater treatment facility. LID treatment measures are defined as rainwater harvesting and use, infiltration, evapotranspiration, or biotreatment. A biotreatment system may only be used if it is infeasible to implement harvesting and use, infiltration, or evapotranspiration at a project site. Technical infeasibility of infiltration may result from site conditions that restrict the operability of infiltration measures and devices. Various factors affecting the feasibility of infiltration treatment may create an environmental risk, structural stability risk, or physically restrict infiltration. The presence of any of these limiting factors may render infiltration technically infeasible for a proposed project. To aid in determining if infiltration may be feasible at the site, we provide the following site information regarding factors that may aid in determining the feasibility of infiltration facilities at the site.

- The near-surface soils at the site are clayey, and categorized as Hydrologic Soil Group D Group, and is expected to have infiltration rates of less than 0.1 inch per hour. In our opinion, these clayey soil will significantly limit the infiltration of stormwater.

- Locally, seasonal high ground water is mapped at a depth of 14 feet, and therefore is expected to be at least 10 feet below the base of the infiltration measure.
- In our opinion, infiltration locations within 10 feet of the building would create a geotechnical hazard.

6.10.1 Storm Water Treatment Design Considerations

If storm water treatment improvements, such as shallow bio-retention swales, basins or pervious pavements, are required as part of the site improvements to satisfy Storm Water Quality (C.3) requirements, we recommend the following items be considered for design and construction.

6.10.1.1 General Bioswale Design Guidelines

- If possible, avoid placing bioswales or basins within 10 feet of the building perimeter or within 5 feet of exterior flatwork or pavements. If bioswales must be constructed within these setbacks, the side(s) and bottom of the trench excavation should be lined with 10-mil visqueen to reduce water infiltration into the surrounding expansive clay.
- Bioswales constructed within 3 feet of proposed buildings may be within the foundation zone of influence for perimeter wall loads. Therefore, where bioswales will parallel foundations and will extend below the “foundation plane of influence,” an imaginary 1:1 plane projected down from the bottom edge of the foundation, the foundation will need to be deepened so that the bottom edge of the bioswale filter material is above the foundation plane of influence.
- The bottom of bioswale or detention areas should include a perforated drain placed at a low point, such as a shallow trench or sloped bottom, to reduce water infiltration into the surrounding soils near structural improvements, and to address the low infiltration capacity of the on-site clay soils.

6.10.1.2 Bioswale Infiltration Material

- Gradation specifications for bioswale filter material, if required, should be specified on the grading and improvement plans.
- Compaction requirements for bioswale filter material in non-landscaped areas or in pervious pavement areas, if any, should be indicated on the plans and specifications to satisfy the anticipated use of the infiltration area.
- If required, infiltration (percolation) testing should be performed on representative samples of potential bioswale materials prior to construction to check for general conformance with the specified infiltration rates.

- It should be noted that multiple laboratory tests may be required to evaluate the properties of the bioswale materials, including percolation, landscape suitability and possibly environmental analytical testing depending on the source of the material. We recommend that the landscape architect provide input on the required landscape suitability tests if bioswales are to be planted.
- If bioswales are to be vegetated, the landscape architect should select planting materials that do not reduce or inhibit the water infiltration rate, such as covering the bioswale with grass sod containing a clayey soil base.
- If required by governing agencies, field infiltration testing should be specified on the grading and improvement plans. The appropriate infiltration test method, duration and frequency of testing should be specified in accordance with local requirements.
- Due to the relatively loose consistency and/or high organic content of many bioswale filter materials, long-term settlement of the bioswale medium should be anticipated. To reduce initial volume loss, bioswale filter material should be wetted in 12 inch lifts during placement to pre-consolidate the material. Mechanical compaction should not be allowed, unless specified on the grading and improvement plans, since this could significantly decrease the infiltration rate of the bioswale materials.
- It should be noted that the volume of bioswale filter material may decrease over time depending on the organic content of the material. Additional filter material may need to be added to bioswales after the initial exposure to winter rains and periodically over the life of the bioswale areas, as needed.

6.10.1.3 Bioswale Construction Adjacent to Pavements

If bio-infiltration swales or basins are considered adjacent to proposed parking lots or exterior flatwork, we recommend that mitigative measures be considered in the design and construction of these facilities to reduce potential impacts to flatwork or pavements. Exterior flatwork, concrete curbs, and pavements located directly adjacent to bio-swales may be susceptible to settlement or lateral movement, depending on the configuration of the bioswale and the setback between the improvements and edge of the swale. To reduce the potential for distress to these improvements due to vertical or lateral movement, the following options should be considered by the project civil engineer:

- Improvements should be setback from the vertical edge of a bioswale such that there is at least 1 foot of horizontal distance between the edge of improvements and the top edge of the bioswale excavation for every 1 foot of vertical bioswale depth, or
- Concrete curbs for pavements, or lateral restraint for exterior flatwork, located directly adjacent to a vertical bioswale cut should be designed to resist lateral earth pressures in accordance with the recommendations in the “Retaining Walls” section of this report, or concrete curbs or edge restraint should be adequately keyed into the native soil or engineered to reduce the potential for rotation or lateral movement of the curbs.

6.11 LANDSCAPE CONSIDERATIONS

Since the near-surface soils are moderately expansive, we recommend greatly reducing the amount of surface water infiltrating these soils near foundations and exterior slabs-on-grade. This can typically be achieved by:

- Using drip irrigation
- Avoiding open planting within 3 feet of the building perimeter or near the top of existing slopes
- Regulating the amount of water distributed to lawns or planter areas by using irrigation timers
- Selecting landscaping that requires little or no watering, especially near foundations.

We recommend that the landscape architect consider these items when developing landscaping plans.

SECTION 7: SOIL PERMEABILITY AND GROUND WATER INFILTRATION

7.1 GENERAL

To estimate the infiltration rate and hydraulic conductivity of the soils, we performed one in-situ field permeability test using a Guelph permeameter by SoilMoisture Equipment Corp., Model #2800, in accordance with ASTM D5126. Generally, the Guelph permeameter is a constant head device, which uses two water-filled chambers to measure infiltration rate in a shallow borehole. A constant head level is established in the borehole and the rate of water outflow into the surrounding soil is noted. The rate of flow when it reaches a steady state, or constant rate, is used to determine the soil characteristics such as the saturated conductivity and permeability. Our field permeability test was performed at the terminal boring depth of approximately 3½ feet for boring P-1. Test results are summarized in Table 3.

Table 3: In-Situ Field Guelph Permeameter Test Results

Location / Depth (ft.)	Saturated Hydraulic Conductivity
P-1 / 3½	7.8 x 10 ⁻² in/hr. or 5.7 x 10 ⁻⁵ cm/sec

To supplement our in-situ field permeability test, one hydraulic conductivity test ASTM D 5084 was performed by Cooper Testing Laboratory on a sample collected at a depth of 3½ feet from boring EB-2. Test results for the above sample are summarized in Table 4 and attached to this report in Appendix B.

Table 4: Laboratory Hydraulic Conductivity Test Results

Location / Depth (ft.)	Average Hydraulic Conductivity
EB-2 / 3½	2.8 x 10 ⁻² in/hr. or 2.0 x 10 ⁻⁵ cm/sec

Based on our experience and engineering judgment, clay soil typically has poor vertical permeability with low to medium infiltration rates on the order of 10^{-5} centimeters per second (cm/sec, or 2.4×10^{-4} inch per minute) to greater than 10^{-1} cm/sec ($2\frac{3}{8}$ inches per minute). In relation to the above mentioned values, both the in-situ field test and laboratory test indicate poor permeability and a low infiltration rate at the depth, location, and sample tested.

7.1.1 Reliability of Field and Laboratory Test Data

Test results may not be truly indicative of the long-term, in-situ permeability. Other factors including stratifications, heterogenous deposits, overburden stress, and other factors can influence permeability results. As discussed in Section 3, sandy soil was encountered at depths of about 5 to 12 feet below the existing grades. In addition, for stratified soils such as those encountered at the site, the average horizontal permeability is typically greater than the average vertical permeability.

7.1.2 Findings and Recommendations

Based on our findings and laboratory test results, in our opinion, the subsurface soils tested are not favorable for storm water infiltration with a low permeability rate. In addition and based on available data, depth to historical high ground water was estimated to be about 14 feet below the ground surface.

We recommend that if any underground percolation systems (including dry wells) are to be constructed, the locations and depth of the systems be further evaluated at the time of construction to confirm the above estimates. We recommend any underground percolation systems take into account the estimated depth to ground water referenced above.

7.1.3 General Comments and Design Considerations

As discussed, tests were performed at discrete locations, depths, and sample. In addition, some disturbance in preparing the tests can occur. Therefore, the above results can vary significantly and are not representative over the entire site. Localized areas/depths containing higher or lower permeable materials or variable ground water conditions can increase or decrease the actual infiltration rates, respectively. Therefore, we recommend the potential for variations be considered when evaluating the soil infiltration capacity or performance. In addition, we recommend the project civil engineer give consideration for handling/discharging of water when the infiltration rate is not sufficient or during a large storm event. We also recommend that subsurface water infiltration techniques and/or devices be in accordance with local agencies' guidelines and requirements. We recommend you contact the appropriate agencies for additional information and approval, as required.

SECTION 8: FOUNDATIONS

8.1 SUMMARY OF RECOMMENDATIONS

In our opinion, the proposed warehouse structure may be supported on shallow foundations provided the recommendations in the “Earthwork” section and the sections below are followed.

8.2 SEISMIC DESIGN CRITERIA

We understand that the project structural design will be based on the 2013 California Building Code (CBC), which provides criteria for the seismic design of buildings in Chapter 16. The “Seismic Coefficients” used to design buildings are established based on a series of tables and figures addressing different site factors, including the soil profile in the upper 100 feet below grade and mapped spectral acceleration parameters based on distance to the controlling seismic source/fault system. The shear wave velocity measurement performed for this investigation at CPT-3 resulted in an average shear wave velocity of 901 feet per second (or 275 meters per second). Therefore, we have classified the site as Soil Classification D. The mapped spectral acceleration parameters S_S and S_1 were calculated using the USGS computer program *Earthquake Ground Motion Parameters*, Version 5.1.0, revision date February 10, 2011, based on the site coordinates presented below and the site classification. The table below lists the various factors used to determine the seismic coefficients and other parameters.

Table 5: CBC Site Categorization and Site Coefficients

Classification/Coefficient	Design Value
Site Class	D
Site Latitude	37.708995°
Site Longitude	-122.152854°
0.2-second Period Mapped Spectral Acceleration ¹ , S_S	2.047g
1-second Period Mapped Spectral Acceleration ¹ , S_1	0.837g
Short-Period Site Coefficient – F_a	1.0
Long-Period Site Coefficient – F_v	1.5
0.2-second Period, Maximum Considered Earthquake Spectral Response Acceleration Adjusted for Site Effects - S_{MS}	2.047g
1-second Period, Maximum Considered Earthquake Spectral Response Acceleration Adjusted for Site Effects – S_{M1}	1.255g
0.2-second Period, Design Earthquake Spectral Response Acceleration – S_{DS}	1.365g
1-second Period, Design Earthquake Spectral Response Acceleration – S_{D1}	0.837g

¹For Site Class B, 5 percent damped.

8.3 SHALLOW FOUNDATIONS

8.3.1 Spread Footings

Spread footings should bear on natural, undisturbed soil or engineered fill, be at least 18 inches wide, and extend at least 18 inches below the lowest adjacent grade. Lowest adjacent grade is defined as the deeper of the following: 1) bottom of the adjacent interior slab-on-grade, or 2) finished exterior grade, excluding landscaping topsoil. The deeper footing embedment is due to the presence of moderately expansive soils, and is intended to embed the footing below the zone of significant seasonal moisture fluctuation, reducing the potential for differential movement.

Footings constructed to the above dimensions and in accordance with the “Earthwork” recommendations of this report are capable of supporting maximum allowable bearing pressures of 2,000 psf for dead loads, 3,000 psf for combined dead plus live loads, and 4,000 psf for all loads including wind and seismic. These pressures are based on factors of safety of 3.0, 2.0, and 1.5 applied to the ultimate bearing pressure for dead, dead plus live, and all loads, respectively. These pressures are net values; the weight of the footing may be neglected for the portion of the footing extending below grade (typically, the full footing depth). Top and bottom mats of reinforcing steel should be included in continuous footings to help span irregularities and differential settlement.

8.3.2 Footing Settlement

Structural loads were not provided to us at the time this report was prepared; therefore, we assumed the typical loading in the following table.

Table 6: Assumed Structural Loading

Foundation Area	Range of Assumed Loads
Interior Isolated Column Footing	50 to 75 kips
Exterior Isolated Column Footing	50 to 75 kips
Perimeter Strip Footing	4 to 6 kips per lineal foot

Based on the above loading and the allowable bearing pressures presented above, we estimate that the total static footing settlement will be on the order of ½-inch, with about ¼-inch of post-construction differential settlement between adjacent foundation elements. In addition we estimate that differential seismic movement will be on the order of ½-inch, resulting in a total estimated differential footing movement of ¾-inch between foundation elements, assumed to be on the order of 50 feet. As our footing loads were assumed, we recommend we be retained to review the final footing layout and loading, and verify the settlement estimates above.

8.3.3 Lateral Loading

Lateral loads may be resisted by friction between the bottom of footing and the supporting subgrade, and also by passive pressures generated against footing sidewalls. An ultimate frictional resistance of 0.45 applied to the footing dead load, and an ultimate passive pressure based on an equivalent fluid pressure of 450 pcf may be used in design. The structural engineer should apply an appropriate factor of safety (such as 1.5) to the ultimate values above. Where footings are adjacent to landscape areas without hardscape, the upper 12 inches of soil should be neglected when determining passive pressure capacity.

8.3.4 Spread Footing Construction Considerations

Where utility lines will cross perpendicular to strip footings, the footing should be deepened to encase the utility line, providing sleeves or flexible cushions to protect the pipes from anticipated foundation settlement, or the utility lines should be backfilled to the bottom of footing with sand-cement slurry or lean concrete. Where utility lines will parallel footings and will extend below the “foundation plane of influence,” an imaginary 1:1 plane projected down from the bottom edge of the footing, either the footing will need to be deepened so that the pipe is above the foundation plane of influence or the utility trench will need to be backfilled with sand-cement slurry or lean concrete within the influence zone. Sand-cement slurry used within foundation influence zones should have a minimum compressive strength of 75 psi.

Footing excavations should be filled as soon as possible or be kept moist until concrete placement by regular sprinkling to prevent desiccation. A Cornerstone representative should observe all footing excavations prior to placing reinforcing steel and concrete. If there is a significant schedule delay between our initial observation and concrete placement, we may need to re-observe the excavations.

SECTION 9: CONCRETE SLABS AND PEDESTRIAN PAVEMENTS

9.1 WAREHOUSE SLABS-ON-GRADE

Warehouse slabs-on-grade should be at least 6 inches thick should have a minimum compressive strength of 3,500 psi. The warehouse slab-on-grade should also be supported on at least 9 inches non-expansive fill (NEF) consisting of crushed, granular base having an R-value of at least 50 and no more than 10 percent passing the No. 200 sieve, such as Class 2 aggregate base or subbase. All base and sub-base materials should be placed and compacted in accordance with the “Compaction” section of this report. If there will be areas within the warehouse that are moisture sensitive, such as equipment rooms, a vapor barrier may be placed over the upper granular base prior to slab construction. Please refer to the recommendations in the “Interior Slabs Moisture Protection Considerations” section for vapor barrier construction.

The structural engineer should determine the appropriate slab thickness and reinforcement for the loading requirements and considering the expansion potential of the underlying soils. For

unreinforced concrete slabs, ACI 302.1R recommends limiting control joint spacing to 24 to 36 times the slab thickness in each direction, or a maximum of 18 feet.

9.2 OFFICE SLABS-ON-GRADE

As the Plasticity Index (PI) of the surficial soils ranges up to 22, the proposed office slabs-on-grade should be supported on at least 9 inches of non-expansive fill (NEF) to reduce the potential for slab damage due to soil heave. The NEF layer should be constructed over subgrade prepared in accordance with the recommendations in the “Earthwork” section of this report. If moisture-sensitive floor coverings are planned, the recommendations in the “Interior Slabs Moisture Protection Considerations” section below may be incorporated in the project design if desired. If significant time elapses between initial subgrade preparation and NEF construction, the subgrade should be proof-rolled to confirm subgrade stability, and if the soil has been allowed to dry out, the subgrade should be re-moisture conditioned to at least 3 percent over the optimum moisture content.

The structural engineer should determine the appropriate slab reinforcement for the loading requirements and considering the expansion potential of the underlying soils. For unreinforced concrete slabs, ACI 302.1R recommends limiting control joint spacing to 24 to 36 times the slab thickness in each direction, or a maximum of 18 feet.

9.2 INTERIOR SLABS MOISTURE PROTECTION CONSIDERATIONS

The following general guidelines for concrete slab-on-grade construction where floor coverings are planned are presented for the consideration by the developer, design team, and contractor. These guidelines are based on information obtained from a variety of sources, including the American Concrete Institute (ACI) and are intended to reduce the potential for moisture-related problems causing floor covering failures, and may be supplemented as necessary based on project-specific requirements. The application of these guidelines or not will not affect the geotechnical aspects of the slab-on-grade performance.

- Place a minimum 10-mil-thick vapor retarder conforming to ASTM E 1745, Class C requirements or better directly below the concrete slab; the vapor retarder should extend to the slab edges and be sealed at all seams and penetrations in accordance with manufacturer’s recommendations and ASTM E 1643 requirements. A 4-inch-thick capillary break, consisting of ½- to ¾-inch crushed rock with less than 5 percent passing the No. 200 sieve, should be placed below the vapor retarder and consolidated in place with vibratory equipment. The capillary break rock may be considered as the upper 4 inches of the non-expansive fill previously recommended.
- The concrete water:cement ratio should be 0.45 or less. Mid-range plasticizers may be used to increase concrete workability and facilitate pumping and placement.
- Water should not be added after initial batching unless the slump is less than specified and/or the resulting water:cement ratio will not exceed 0.45.

- Where floor coverings are planned, all concrete surfaces should be properly cured.
- Water vapor emission levels and concrete pH should be determined in accordance with ASTM F1869-98 and F710-98 requirements and evaluated against the floor covering manufacturer’s requirements prior to installation.

9.3 EXTERIOR FLATWORK

Exterior concrete flatwork subject to pedestrian and/or occasional light pick up loading should be at least 4 inches thick and supported on at least 6 inches of Class 2 aggregate base overlying subgrade prepared in accordance with the “Earthwork” recommendations of this report. Flatwork that will be subject to heavier or frequent vehicular loading should be designed in accordance with the recommendations in the “Vehicular Pavements” section below. To help reduce the potential for uncontrolled shrinkage cracking, adequate expansion and control joints should be included. Consideration should be given to limiting the control joint spacing to a maximum of about 2 feet in each direction for each inch of concrete thickness. Flatwork should be isolated from adjacent foundations or retaining walls except where limited sections of structural slabs are included to help span irregularities in retaining wall backfill at the transitions between at-grade and on-structure flatwork.

SECTION 10: VEHICULAR PAVEMENTS

10.1 ASPHALT CONCRETE

The following asphalt concrete pavement recommendations tabulated below are based on the Procedure 608 of the Caltrans Highway Design Manual, estimated traffic indices for various pavement-loading conditions, and on a design R-value of 5. The design R-value was chosen based on experience in the vicinity of the site and engineering judgment considering the variable surface conditions.

Table 7: Asphalt Concrete Pavement Recommendations, Design R-value = 5

Design Traffic Index (TI)	Asphalt Concrete (inches)	Class 2 Aggregate Base* (inches)	Total Pavement Section Thickness (inches)
4.0	2.5	7.5	10.0
4.5	2.5	9.5	12.0
5.0	3.0	10.0	13.0
5.5	3.0	12.0	15.0
6.0	3.5	12.5	16.0
6.5	4.0	14.0	18.0

*Caltrans Class 2 aggregate base; minimum R-value of 78

Frequently, the full asphalt concrete section is not constructed prior to construction traffic loading. This can result in significant loss of asphalt concrete layer life, rutting, or other pavement failures. To improve the pavement life and reduce the potential for pavement distress through construction, we recommend the full design asphalt concrete section be constructed prior to construction traffic loading. Alternatively, a higher traffic index may be chosen for the areas where construction traffic will be use the pavements.

Asphalt concrete pavements constructed on expansive subgrade where the adjacent areas will not be irrigated for several months after the pavements are constructed may experience longitudinal cracking parallel to the pavement edge. These cracks typically form within a few feet of the pavement edge and are due to seasonal wetting and drying of the adjacent soil. The cracking may also occur during construction where the adjacent grade is allowed to significantly dry during the summer, pulling moisture out of the pavement subgrade. Any cracks that form should be sealed with bituminous sealant prior to the start of winter rains. One alternative to reduce the potential for this type of cracking is to install a moisture barrier at least 24 inches deep behind the pavement curb.

10.2 PORTLAND CEMENT CONCRETE

The exterior Portland Cement Concrete (PCC) pavement recommendations tabulated below are based on methods presented in the Portland Cement Association (PCA) design manual (PCA, 1984). Recommendations for garage slabs-on-grade were provided in the “Concrete Slabs and Pedestrian Pavements” section above. We have provided a few pavement alternatives as an anticipated Average Daily Truck Traffic (ADTT) was not provided. An allowable ADTT should be chosen that is greater than what is expected for the development.

Table 8: PCC Pavement Recommendations, Design R-value = 5

Allowable ADTT	Minimum PCC Thickness (inches)
13	5.5
130	6

The PCC thicknesses above are based on a concrete compressive strength of at least 3,500 psi, supporting the PCC on at least 6 inches of Class 2 aggregate base compacted as recommended in the “Earthwork” section, and laterally restraining the PCC with curbs or concrete shoulders. Adequate expansion and control joints should be included. Consideration should be given to limiting the control joint spacing to a maximum of about 2 feet in each direction for each inch of concrete thickness. Due to the expansive surficial soils present, we recommend that the construction and expansion joints be dowelled.

10.2.2 Stress Pads for Trash Enclosures

Pads where trash containers will be stored, and where garbage trucks will park while emptying trash containers, should be constructed on Portland Cement Concrete. We recommend that the trash enclosure pads and stress (landing) pads where garbage trucks will store, pick up, and empty trash be increased to a minimum PCC thickness of 8 inches. The compressive strength, underlayment, and construction details should be consistent with the above recommendations for PCC pavements.

10.3 PAVEMENT CUTOFF

Surface water penetration into the pavement section can significantly reduce the pavement life, due to the native expansive clays. While quantifying the life reduction is difficult, a normal 20-year pavement design could be reduced to less than 10 years; therefore, increased long-term maintenance may be required.

It would be beneficial to include a pavement cut-off, such as deepened curbs, redwood-headers, or “Deep-Root Moisture Barriers” that are keyed at least 4 inches into the pavement subgrade. This will help limit the additional long-term maintenance.

SECTION 11: RETAINING WALLS

11.1 STATIC LATERAL EARTH PRESSURES

The structural design of any site retaining wall should include resistance to lateral earth pressures that develop from the soil behind the wall, any undrained water pressure, and surcharge loads acting behind the wall. Provided a drainage system is constructed behind the wall to prevent the build-up of hydrostatic pressures as discussed in the section below, we recommend that the walls with level backfill be designed for the following pressures:

Table 9: Recommended Lateral Earth Pressures

Wall Condition	Lateral Earth Pressure*	Additional Surcharge Loads
Unrestrained – Cantilever Wall	45 pcf	1/3 of vertical loads at top of wall
Restrained – Braced Wall	45 pcf + 8H** psf	1/2 of vertical loads at top of wall

* Lateral earth pressures are based on an equivalent fluid pressure for level backfill conditions

** H is the distance in feet between the bottom of footing and top of retained soil

11.2 SEISMIC LATERAL EARTH PRESSURES

The 2013 CBC states that lateral pressures from earthquakes should be considered in the design of basements and retaining walls. Truck dock and minor ramp access walls (i.e. walls 6 feet or less in height) are proposed. In our opinion, design of these walls for seismic lateral earth pressures in addition to static earth pressures is not warranted.

11.3 WALL DRAINAGE

Adequate drainage should be provided by a subdrain system behind all walls. This system should consist of a 4-inch minimum diameter perforated pipe placed near the base of the wall (perforations placed downward). The pipe should be bedded and backfilled with Class 2 Permeable Material per Caltrans Standard Specifications, latest edition. The permeable backfill should extend at least 12 inches out from the wall and to within 2 feet of outside finished grade. Alternatively, ½-inch to ¾-inch crushed rock may be used in place of the Class 2 Permeable Material provided the crushed rock and pipe are enclosed in filter fabric, such as Mirafi 140N or approved equivalent. The upper 2 feet of wall backfill should consist of compacted on-site soil. The subdrain outlet should be connected to a free-draining outlet or sump.

Miradrain, Geotech Drainage Panels, or equivalent drainage matting can be used for wall drainage as an alternative to the Class 2 Permeable Material or drain rock backfill. Horizontal strip drains connecting to the vertical drainage matting may be used in lieu of the perforated pipe and crushed rock section. The vertical drainage panel should be connected to the perforated pipe or horizontal drainage strip at the base of the wall, or to some other closed or through-wall system such as the TotalDrain system from AmerDrain. Sections of horizontal drainage strips should be connected with either the manufacturer's connector pieces or by pulling back the filter fabric, overlapping the panel dimples, and replacing the filter fabric over the connection. At corners, a corner guard, corner connection insert, or a section of crushed rock covered with filter fabric must be used to maintain the drainage path.

Drainage panels should terminate 18 to 24 inches from final exterior grade. The Miradrain panel filter fabric should be extended over the top of and behind the panel to protect it from intrusion of the adjacent soil.

11.4 BACKFILL

Where surface improvements will be located over the retaining wall backfill, backfill placed behind the walls should be compacted to at least 95 percent relative compaction using light compaction equipment. Where no surface improvements are planned, backfill should be compacted to at least 90 percent. If heavy compaction equipment is used, the walls should be temporarily braced.

11.5 FOUNDATIONS

Retaining walls may be supported on a continuous spread footing designed in accordance with the recommendations presented in the "Foundations" section of this report.

SECTION 12: LIMITATIONS

This report, an instrument of professional service, has been prepared for the sole use of Industrial Property Trust specifically to support the design of the Alvarado Crossing project in San Leandro, California. The opinions, conclusions, and recommendations presented in this report have been formulated in accordance with accepted geotechnical engineering practices

that exist in Northern California at the time this report was prepared. No warranty, expressed or implied, is made or should be inferred.

Recommendations in this report are based upon the soil and ground water conditions encountered during our subsurface exploration. If variations or unsuitable conditions are encountered during construction, Cornerstone must be contacted to provide supplemental recommendations, as needed.

Industrial Property Trust may have provided Cornerstone with plans, reports and other documents prepared by others. Industrial Property Trust understands that Cornerstone reviewed and relied on the information presented in these documents and cannot be responsible for their accuracy.

Cornerstone prepared this report with the understanding that it is the responsibility of the owner or his representatives to see that the recommendations contained in this report are presented to other members of the design team and incorporated into the project plans and specifications, and that appropriate actions are taken to implement the geotechnical recommendations during construction.

Conclusions and recommendations presented in this report are valid as of the present time for the development as currently planned. Changes in the condition of the property or adjacent properties may occur with the passage of time, whether by natural processes or the acts of other persons. In addition, changes in applicable or appropriate standards may occur through legislation or the broadening of knowledge. Therefore, the conclusions and recommendations presented in this report may be invalidated, wholly or in part, by changes beyond Cornerstone's control. This report should be reviewed by Cornerstone after a period of three (3) years has elapsed from the date of this report. In addition, if the current project design is changed, then Cornerstone must review the proposed changes and provide supplemental recommendations, as needed.

An electronic transmission of this report may also have been issued. While Cornerstone has taken precautions to produce a complete and secure electronic transmission, please check the electronic transmission against the hard copy version for conformity.

Recommendations provided in this report are based on the assumption that Cornerstone will be retained to provide observation and testing services during construction to confirm that conditions are similar to that assumed for design, and to form an opinion as to whether the work has been performed in accordance with the project plans and specifications. If we are not retained for these services, Cornerstone cannot assume any responsibility for any potential claims that may arise during or after construction as a result of misuse or misinterpretation of Cornerstone's report by others. Furthermore, Cornerstone will cease to be the Geotechnical-Engineer-of-Record if we are not retained for these services.

SECTION 13: REFERENCES

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Vicinity Map

**Alvarado Street Warehouse
San Leandro, CA**

Project Number

855-4-1

Figure Number

Figure 1




Date

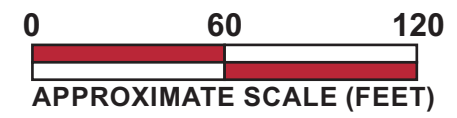
October 2016

Drawn By

RRN



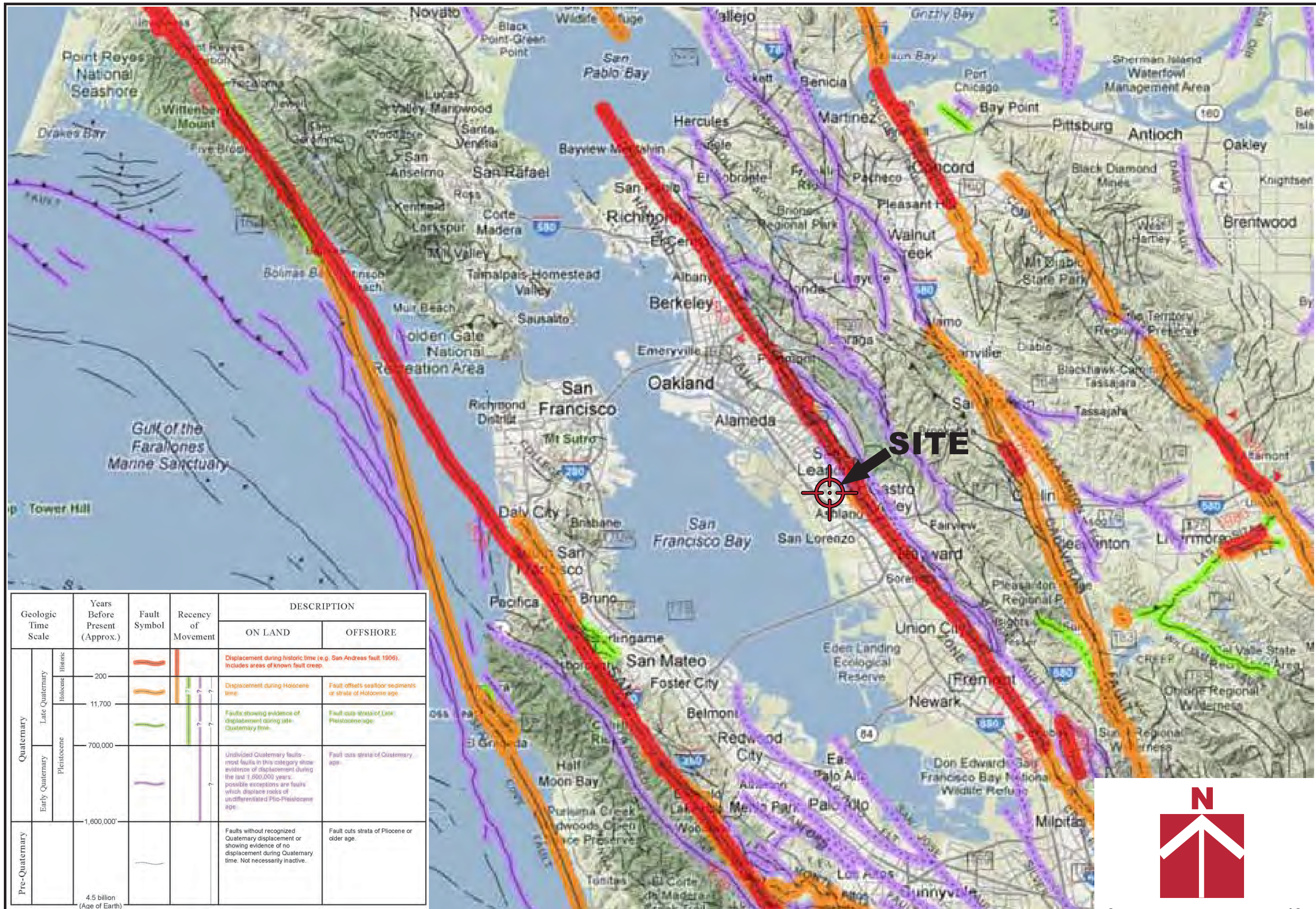
- Legend**
-  Approximate location of exploratory boring (EB)
 -  Approximate location of cone penetration test (CPT)
 -  Approximate location of percolation test (P)



Base by Google Earth, dated 10/30/2015
Overlay by Kier & Wright, Site Layout Exhibit - EXH-1, dated September 2016

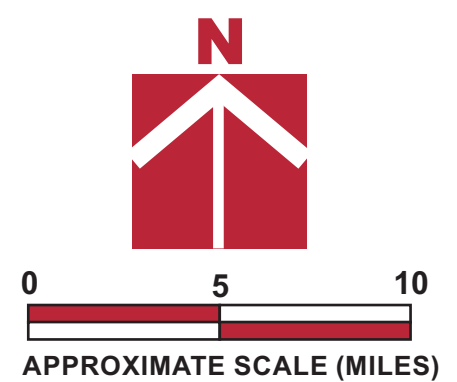


Site Plan Alvarado Street Warehouse San Leandro, CA		Project Number	855-4-1
		Figure Number	Figure 2
Date	October 2016	Drawn By	RRN



Geologic Time Scale	Years Before Present (Approx.)	Fault Symbol	Recency of Movement	DESCRIPTION	
				ON LAND	OFFSHORE
Quaternary	Late Quaternary	Holocene	?	Displacement during historic time (e.g. San Andreas fault, 1906). Includes areas of known fault creep.	
				Displacement during Holocene time.	Fault offsets sea-floor sediments or strata of Holocene age.
	Early Quaternary	Pleistocene	?	Faults showing evidence of displacement during late-Quaternary time.	Fault cuts strata of Late Pleistocene age.
Undivided Quaternary faults - most faults in this category show evidence of displacement during the last 1,600,000 years; possible exceptions are faults which displace rocks of undifferentiated Plio-Pleistocene age.				Fault cuts strata of Quaternary age.	
Pre-Quaternary	1,600,000'		Faults without recognized Quaternary displacement or showing evidence of no displacement during Quaternary time. Not necessarily inactive.	Fault cuts strata of Pliocene or older age.	
	4.5 billion (Age of Earth)				

Base by California Geological Survey - 2010 Fault Activity Map of California (Jennings and Bryant, 2010)



Regional Fault Map

**Alvarado Street Warehouse
San Leandro, CA**

**CORNERSTONE
EARTH GROUP**

Project Number: 855-4-1
Figure Number: Figure 3
Date: October 2016
Drawn By: RRN

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PROJECT/CPT DATA

Project Title **Alvarado Street Warehouse**

Project No. **855-4-1**

Project Manager **NSD**

SEISMIC PARAMETERS

Controlling Fault **Hayward**

Earthquake Magnitude (Mw) **7.1**

PGA (Amax) **0.787** (g)

SITE SPECIFIC PARAMETERS

Ground Water Depth at Time of Drilling (feet) **19.5**

Design Water Depth (feet) **14**

Ave. Unit Weight Above GW (pcf) **125**

Ave. Unit Weight Below GW (pcf) **120**

CPT ANALYSIS RESULTS

DRY SAND SETTLEMENT FROM **14** FEET

0.02 (Inches)

LIQUEFACTION SETTLEMENT FROM **50** FEET

0.30 (Inches)

TOTAL SEISMIC SETTLEMENT **0.3** INCHES

POTENTIAL LATERAL DISPLACEMENT

LDI² **0.00** L/H **0.0**

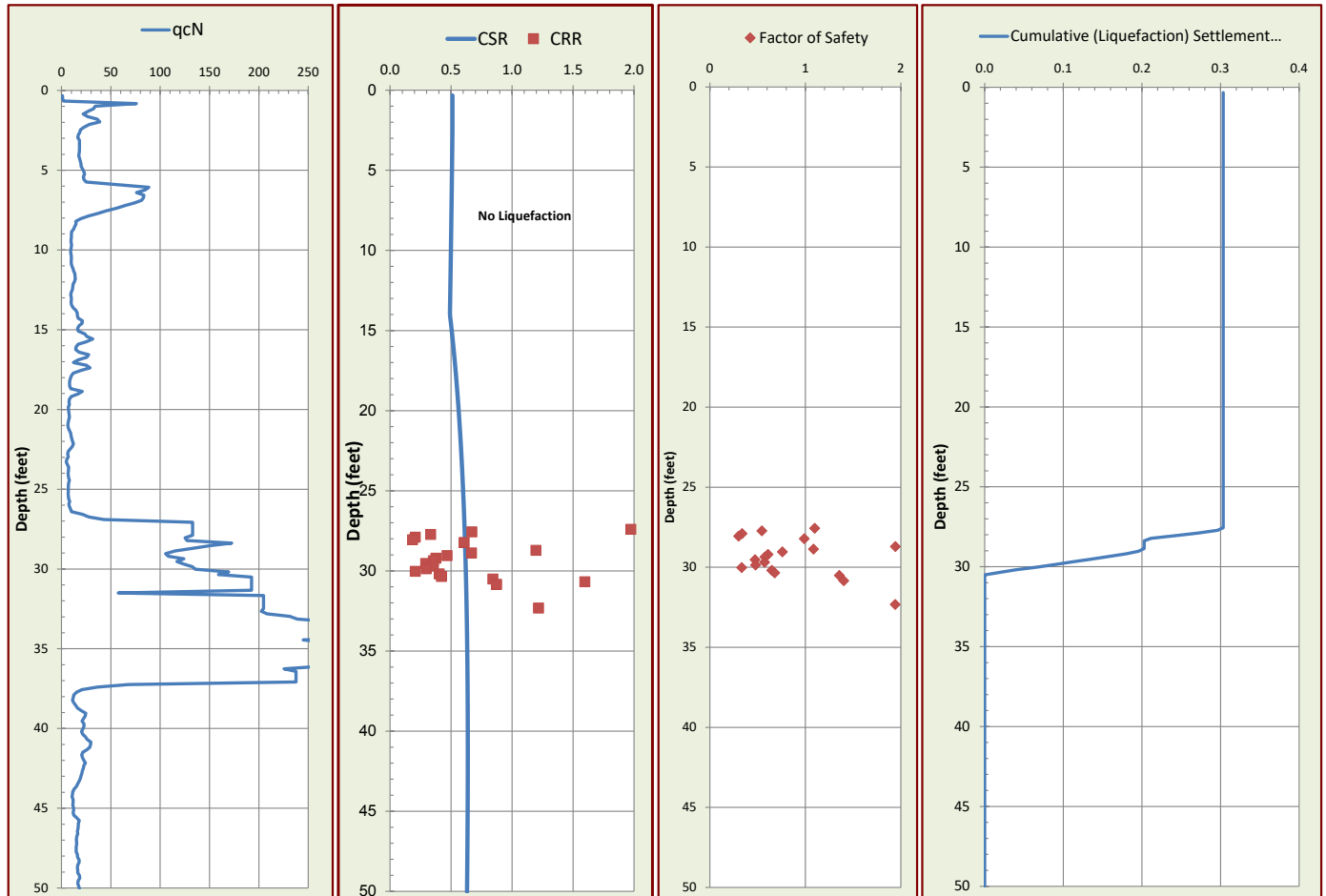
LDI¹ Corrected for Distance **0.00** (4 < L/H < 40)

EXPECTED RANGE OF DISPLACEMENT

0.0 to **0.0** feet

¹Not Valid for L/H Values < 4 and > 40.

²LDI Values Only Summed to 2H Below Grade.



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PROJECT/CPT DATA

Project Title **Alvarado Street Warehouse**

Project No. **855-4-1**

Project Manager **NSD**

SEISMIC PARAMETERS

Controlling Fault **Hayward**

Earthquake Magnitude (Mw) **7.1**

PGA (Amax) **0.787** (g)

SITE SPECIFIC PARAMETERS

Ground Water Depth at Time of Drilling (feet) **20**

Design Water Depth (feet) **14**

Ave. Unit Weight Above GW (pcf) **125**

Ave. Unit Weight Below GW (pcf) **120**

CPT ANALYSIS RESULTS

DRY SAND SETTLEMENT FROM **14** FEET

0.07 (Inches)

LIQUEFACTION SETTLEMENT FROM **50** FEET

0.58 (Inches)

TOTAL SEISMIC SETTLEMENT **0.7** INCHES

POTENTIAL LATERAL DISPLACEMENT

LDI² **0.00** L/H **80.0**

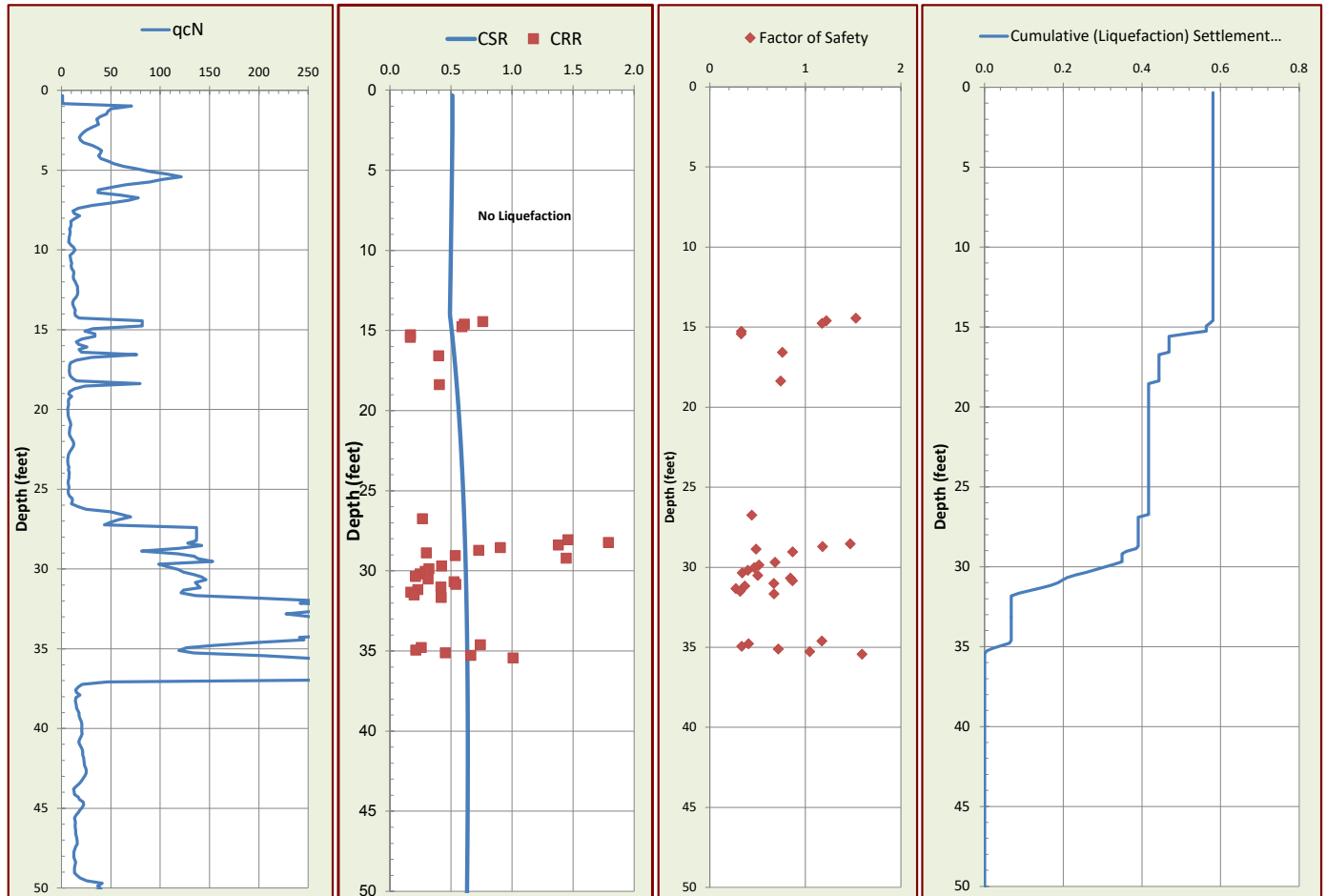
LDI¹ Corrected for Distance **0.00** (4 < L/H < 40)

EXPECTED RANGE OF DISPLACEMENT

0.0 to **0.0** feet

¹Not Valid for L/H Values < 4 and > 40.

²LDI Values Only Summed to 2H Below Grade.



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PROJECT/CPT DATA

Project Title **Alvarado Street Warehouse**

Project No. **855-4-1**

Project Manager **NSD**

SEISMIC PARAMETERS

Controlling Fault **Hayward**

Earthquake Magnitude (Mw) **7.1**

PGA (Amax) **0.787** (g)

SITE SPECIFIC PARAMETERS

Ground Water Depth at Time of Drilling (feet) **21.5**

Design Water Depth (feet) **14**

Ave. Unit Weight Above GW (pcf) **125**

Ave. Unit Weight Below GW (pcf) **120**

CPT ANALYSIS RESULTS

DRY SAND SETTLEMENT FROM **14** FEET

0.12 (Inches)

LIQUEFACTION SETTLEMENT FROM **50** FEET

0.50 (Inches)

TOTAL SEISMIC SETTLEMENT **0.6** INCHES

POTENTIAL LATERAL DISPLACEMENT

LDI² **0.00** L/H **0.0**

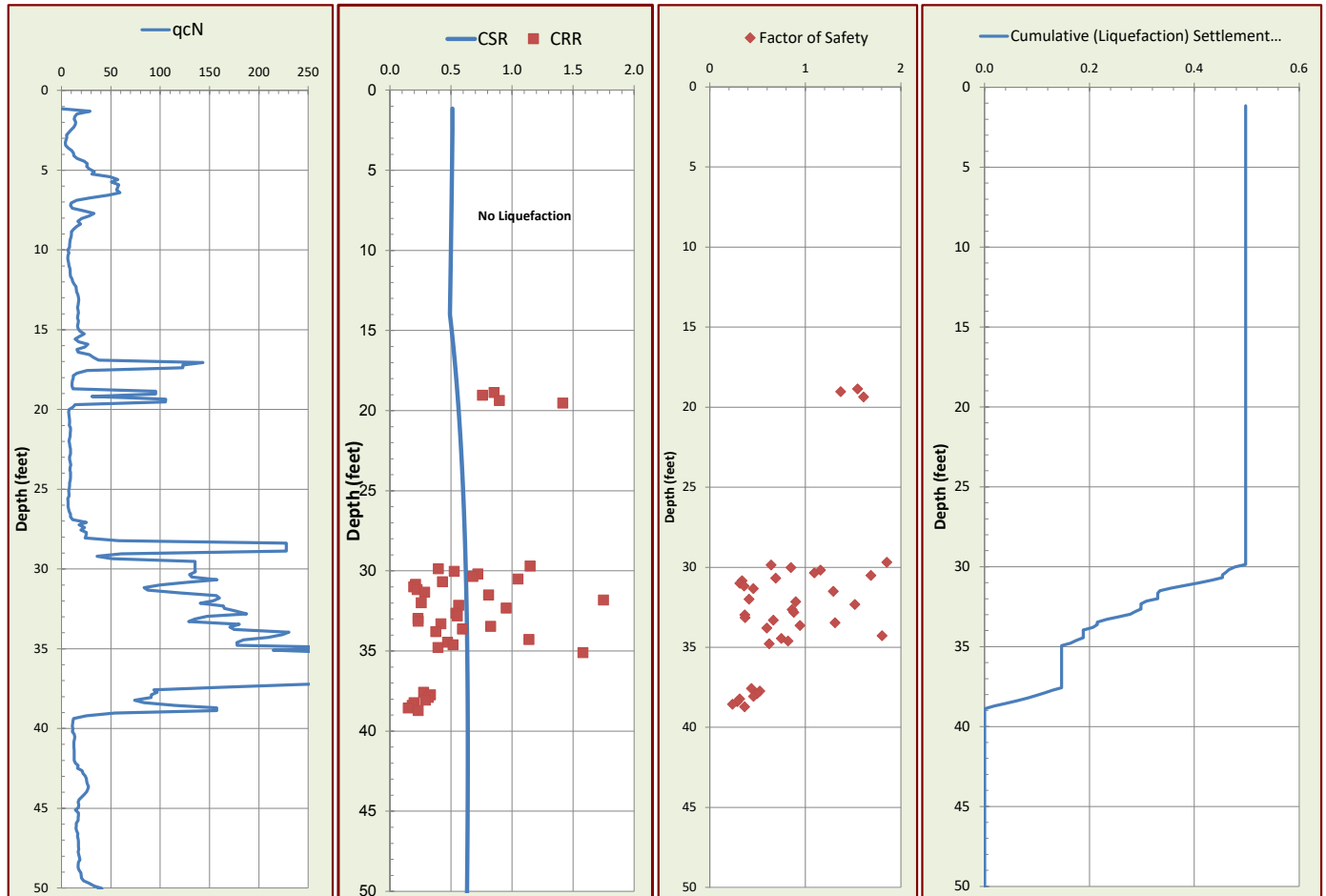
LDI¹ Corrected for Distance **0.00** (4 < L/H < 40)

EXPECTED RANGE OF DISPLACEMENT

0.0 to **0.0** feet

¹Not Valid for L/H Values < 4 and > 40.

²LDI Values Only Summed to 2H Below Grade.



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PROJECT/CPT DATA

Project Title **Alvarado Street Warehouse**

Project No. **855-4-1**

Project Manager **NSD**

SEISMIC PARAMETERS

Controlling Fault **Hayward**

Earthquake Magnitude (Mw) **7.1**

PGA (Amax) **0.787** (g)

SITE SPECIFIC PARAMETERS

Ground Water Depth at Time of Drilling (feet) **23.5**

Design Water Depth (feet) **14**

Ave. Unit Weight Above GW (pcf) **125**

Ave. Unit Weight Below GW (pcf) **120**

CPT ANALYSIS RESULTS

DRY SAND SETTLEMENT FROM **14** FEET

0.02 (Inches)

LIQUEFACTION SETTLEMENT FROM **50** FEET

0.26 (Inches)

TOTAL SEISMIC SETTLEMENT **0.3** INCHES

POTENTIAL LATERAL DISPLACEMENT

LDI² **0.00** L/H **0.0**

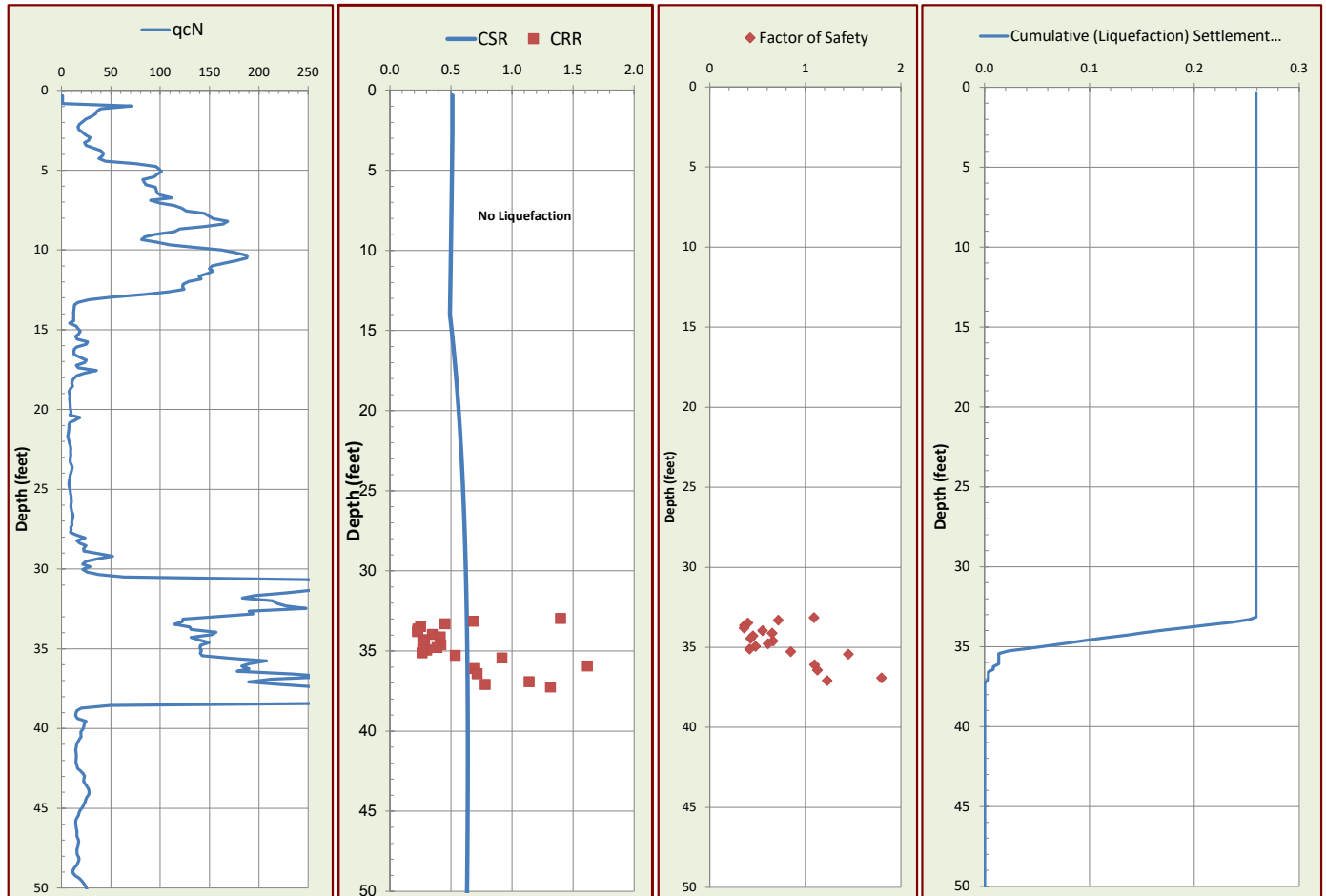
LDI¹ Corrected for Distance **0.00** (4 < L/H < 40)

EXPECTED RANGE OF DISPLACEMENT

0.0 to **0.0** feet

¹Not Valid for L/H Values < 4 and > 40.

²LDI Values Only Summed to 2H Below Grade.



APPENDIX A: FIELD INVESTIGATION

The field investigation consisted of a surface reconnaissance and a subsurface exploration program using truck-mounted, hollow-stem auger drilling equipment and 20-ton truck-mounted Cone Penetration Test equipment. Three 8-inch-diameter exploratory borings were drilled on September 22, 2016, to depths of 30 to 40 feet. Four CPT soundings were also performed in accordance with ASTM D 5778-95 (revised, 2002) on September 16, 2016, to depths ranging from 50 to 100 feet. The approximate locations of exploratory borings and CPTs are shown on the Site Plan, Figure 2. The soils encountered were continuously logged in the field by our representative and described in accordance with the Unified Soil Classification System (ASTM D2488). Boring logs, as well as a key to the classification of the soil, are included as part of this appendix.

Boring and CPT locations were approximated using existing site boundaries and other site features as references. Boring and CPT elevations were not determined. The locations of the borings and CPTs should be considered accurate only to the degree implied by the method used.

Representative soil samples were obtained from the borings at selected depths. All samples were returned to our laboratory for evaluation and appropriate testing. The standard penetration resistance blow counts were obtained by dropping a 140-pound hammer through a 30-inch free fall. The 2-inch O.D. split-spoon sampler was driven 18 inches and the number of blows was recorded for each 6 inches of penetration (ASTM D1586). 2.5-inch I.D. samples were obtained using a Modified California Sampler driven into the soil with the 140-pound hammer previously described. Unless otherwise indicated, the blows per foot recorded on the boring log represent the accumulated number of blows required to drive the last 12 inches. The various samplers are denoted at the appropriate depth on the boring logs.
















The CPT involved advancing an instrumented cone-tipped probe into the ground while simultaneously recording the resistance at the cone tip (q_c) and along the friction sleeve (f_s) at approximately 5-centimeter intervals. Based on the tip resistance and tip to sleeve ratio (R_f), the CPT classified the soil behavior type and estimated engineering properties of the soil, such as equivalent Standard Penetration Test (SPT) blow count, internal friction angle within sand layers, and undrained shear strength in silts and clays. A pressure transducer behind the tip of the CPT cone measured pore water pressure (u_2). Graphical logs of the CPT data is included as part of this appendix.















Field tests included an evaluation of the unconfined compressive strength of the soil samples using a pocket penetrometer device. The results of these tests are presented on the individual boring logs at the appropriate sample depths.

Attached boring and CPT logs and related information depict subsurface conditions at the locations indicated and on the date designated on the logs. Subsurface conditions at other locations may differ from conditions occurring at these boring and CPT locations. The passage of time may result in altered subsurface conditions due to environmental changes. In addition,







any stratification lines on the logs represent the approximate boundary between soil types and the transition may be gradual.

UNIFIED SOIL CLASSIFICATION (ASTM D-2487-10)


MATERIAL TYPES	CRITERIA FOR ASSIGNING SOIL GROUP NAMES			GROUP SYMBOL	SOIL GROUP NAMES & LEGEND	
COARSE-GRAINED SOILS >50% RETAINED ON NO. 200 SIEVE	GRAVELS >50% OF COARSE FRACTION RETAINED ON NO 4. SIEVE	CLEAN GRAVELS <5% FINES	$Cu > 4$ AND $1 < Cc < 3$	GW	WELL-GRADED GRAVEL	
			$Cu > 4$ AND $1 > Cc > 3$	GP	POORLY-GRADED GRAVEL	
		GRAVELS WITH FINES >12% FINES	FINES CLASSIFY AS ML OR CL	GM	SILTY GRAVEL	
			FINES CLASSIFY AS CL OR CH	GC	CLAYEY GRAVEL	
	SANDS >50% OF COARSE FRACTION PASSES ON NO 4. SIEVE	CLEAN SANDS <5% FINES	$Cu > 6$ AND $1 < Cc < 3$	SW	WELL-GRADED SAND	
			$Cu > 6$ AND $1 > Cc > 3$	SP	POORLY-GRADED SAND	
		SANDS AND FINES >12% FINES	FINES CLASSIFY AS ML OR CL	SM	SILTY SAND	
			FINES CLASSIFY AS CL OR CH	SC	CLAYEY SAND	
FINE-GRAINED SOILS >50% PASSES NO. 200 SIEVE	SILTS AND CLAYS LIQUID LIMIT < 50	INORGANIC	$PI > 7$ AND PLOTS > "A" LINE	CL	LEAN CLAY	
			$PI > 4$ AND PLOTS < "A" LINE	ML	SILT	
	SILTS AND CLAYS LIQUID LIMIT > 50	INORGANIC	LL (oven dried)/LL (not dried) < 0.75	OL	ORGANIC CLAY OR SILT	
			PI PLOTS > "A" LINE	CH	FAT CLAY	
			PI PLOTS < "A" LINE	MH	ELASTIC SILT	
			LL (oven dried)/LL (not dried) < 0.75	OH	ORGANIC CLAY OR SILT	
HIGHLY ORGANIC SOILS		PRIMARILY ORGANIC MATTER, DARK IN COLOR, AND ORGANIC ODOR		PT	PEAT	

OTHER MATERIAL SYMBOLS	
	Poorly-Graded Sand with Clay
	Clayey Sand
	Sandy Silt
	Artificial/Undocumented Fill
	Poorly-Graded Gravelly Sand
	Topsoil
	Well-Graded Gravel with Clay
	Well-Graded Gravel with Silt
	Sand
	Silt
	Well Graded Gravelly Sand
	Gravelly Silt
	Asphalt
	Boulders and Cobble

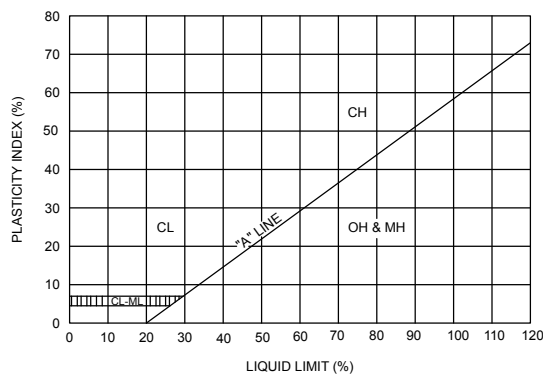
SAMPLER TYPES

	SPT		Shelby Tube
	Modified California (2.5" I.D.)		No Recovery
	Rock Core		Grab Sample

ADDITIONAL TESTS

CA - CHEMICAL ANALYSIS (CORROSIVITY)	PI - PLASTICITY INDEX
CD - CONSOLIDATED DRAINED TRIAXIAL	SW - SWELL TEST
CN - CONSOLIDATION	TC - CYCLIC TRIAXIAL
CU - CONSOLIDATED UNDRAINED TRIAXIAL	TV - TORVANE SHEAR
DS - DIRECT SHEAR	UC - UNCONFINED COMPRESSION
PP - POCKET PENETROMETER (TSF)	(1.5) - (WITH SHEAR STRENGTH IN KSF)
(3.0) - (WITH SHEAR STRENGTH IN KSF)	-
RV - R-VALUE	UU - UNCONSOLIDATED UNDRAINED TRIAXIAL
SA - SIEVE ANALYSIS: % PASSING #200 SIEVE	
 - WATER LEVEL	

PLASTICITY CHART



PENETRATION RESISTANCE (RECORDED AS BLOWS / FOOT)

SAND & GRAVEL		SILT & CLAY		
RELATIVE DENSITY	BLOWS/FOOT*	CONSISTENCY	BLOWS/FOOT*	STRENGTH** (KSF)
VERY LOOSE	0 - 4	VERY SOFT	0 - 2	0 - 0.25
LOOSE	4 - 10	SOFT	2 - 4	0.25 - 0.5
MEDIUM DENSE	10 - 30	MEDIUM STIFF	4 - 8	0.5 - 1.0
DENSE	30 - 50	STIFF	8 - 15	1.0 - 2.0
VERY DENSE	OVER 50	VERY STIFF	15 - 30	2.0 - 4.0
		HARD	OVER 30	OVER 4.0

* NUMBER OF BLOWS OF 140 LB HAMMER FALLING 30 INCHES TO DRIVE A 2 INCH O.D. (1-3/8 INCH I.D.) SPLIT-BARREL SAMPLER THE LAST 12 INCHES OF AN 18-INCH DRIVE (ASTM-1586 STANDARD PENETRATION TEST).

** UNDRAINED SHEAR STRENGTH IN KIPS/SQ. FT. AS DETERMINED BY LABORATORY TESTING OR APPROXIMATED BY THE STANDARD PENETRATION TEST, POCKET PENETROMETER, TORVANE, OR VISUAL OBSERVATION.

PROJECT NAME Alvarado Street Warehouse

PROJECT NUMBER 855-4-1

PROJECT LOCATION San Leandro, CA

DATE STARTED 9/22/16 DATE COMPLETED 9/22/16

GROUND ELEVATION _____ BORING DEPTH 30 ft.

DRILLING CONTRACTOR Exploration Geoservices, Inc.

LATITUDE _____ LONGITUDE _____

DRILLING METHOD Mobile B-53, 8 inch Hollow-Stem Auger

GROUND WATER LEVELS:

LOGGED BY SDK

▽ AT TIME OF DRILLING 20 ft.

NOTES _____

▼ AT END OF DRILLING 19.5 ft.

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT	PLASTICITY INDEX, %	PERCENT PASSING No. 200 SIEVE	UNDRAINED SHEAR STRENGTH, ksf									
										1.0	2.0	3.0	4.0						
	0		2 inches asphalt concrete over 5 inches aggregate base																
	0		Lean Clay with Sand (CL) hard, moist, dark brown, fine to medium sand, moderate plasticity	22	MC-1B	105	18												>4.5
	5		Liquid Limit = 37, Plastic Limit = 15	23	MC-2B	108	17	22											>4.5
	5		Poorly Graded Sand with Gravel (SP) medium dense, moist, brown, fine to medium sand, fine subangular to subrounded gravel	26	MC-3B		4		4										
	10		Lean Clay (CL) medium stiff, moist, gray with brown mottles, some fine sand, moderate plasticity	10	MC-4B	88	30												
	15		becomes stiff	16	MC-5B	109	18												
	20			11	MC-6B	89	31												
	25			13	MC-7B	105	20												
	30		Clayey Sand with Gravel (SC) medium dense, moist, brown, fine to coarse sand, fine to coarse subangular to subrounded gravel	28	SPT-8		17												
	30		Bottom of Boring at 30.0 feet.																

CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 9/30/16 11:22 - P:\DRAFTING\GINT FILES\855-4-1 ALVARADO ST WAREHOUSE.GPJ

PROJECT NAME Alvarado Street Warehouse

PROJECT NUMBER 855-4-1

PROJECT LOCATION San Leandro, CA

DATE STARTED 9/22/16 DATE COMPLETED 9/22/16

GROUND ELEVATION _____ BORING DEPTH 40 ft.

DRILLING CONTRACTOR Exploration Geoservices, Inc.

LATITUDE _____ LONGITUDE _____

DRILLING METHOD Mobile B-53, 8 inch Hollow-Stem Auger

GROUND WATER LEVELS:

LOGGED BY SDK

▽ AT TIME OF DRILLING 22.5 ft.

NOTES _____

▼ AT END OF DRILLING 21.5 ft.

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT	PLASTICITY INDEX, %	PERCENT PASSING No. 200 SIEVE	UNDRAINED SHEAR STRENGTH, ksf				
										○ HAND PENETROMETER △ TORVANE ● UNCONFINED COMPRESSION ▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL				
										1.0	2.0	3.0	4.0	
	0		4 inches asphalt concrete over 4 inches aggregate base											
	0		Silty Sand with Gravel (SM) [Fill]											
	0		Lean Clay with Sand (CL) very stiff, moist, dark brown, fine to medium sand, low plasticity Liquid Limit = 34, Plastic Limit = 16	13	1A MC 1B	95	16	18						
	5		Silty Sand with Gravel (SM) medium dense, moist, brown, fine to medium sand, fine subangular to subrounded gravel	24	MC-2B	110	16							
	5		Lean Clay (CL) medium stiff, moist, gray with brown mottles, some fine sand, moderate plasticity	17	SPT-3		8		16					
	10		becomes very stiff	8	SPT-4		27							
	15			21	MC-5B		19							
	20		Silty Sand (SM) medium dense, moist, brown, fine sand	21	6A MC 6B	102	21							
	20		Lean Clay (CL) medium stiff, moist, gray with brown mottles, some fine sand, moderate plasticity			94	28							
	25		becomes stiff	13	MC-7B	102	24							

Continued Next Page

PROJECT NAME Alvarado Street Warehouse

PROJECT NUMBER 855-4-1

PROJECT LOCATION San Leandro, CA

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT	PLASTICITY INDEX, %	PERCENT PASSING No. 200 SIEVE	UNDRAINED SHEAR STRENGTH, ksf				
										○ HAND PENETROMETER				
										△ TORVANE				
										● UNCONFINED COMPRESSION				
										▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL				
											1.0	2.0	3.0	4.0
			Silty Sand with Gravel (SM) medium dense, moist, brown, fine to medium sand, fine subangular to subrounded gravel	46	MC-8B	121	12							
	30													
			becomes dense	37	SPT-9		18							
	35													
			Lean Clay with Sand (CL) medium stiff, moist, gray with brown mottles, fine sand, moderate plasticity Bottom of Boring at 40.0 feet.	10	SPT-10		23			○				
	40													
	45													
	50													
	55													

PROJECT NAME Alvarado Street Warehouse
PROJECT NUMBER 855-4-1
PROJECT LOCATION San Leandro, CA
DATE STARTED 9/22/16 **DATE COMPLETED** 9/22/16
GROUND ELEVATION _____ **BORING DEPTH** 30 ft.
DRILLING CONTRACTOR Exploration Geoservices, Inc.
LATITUDE _____ **LONGITUDE** _____
DRILLING METHOD Mobile B-53, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY SDK ▽ **AT TIME OF DRILLING** 23.5 ft.
NOTES _____ ▼ **AT END OF DRILLING** 21.5 ft.

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT	PLASTICITY INDEX, %	PERCENT PASSING No. 200 SIEVE	UNDRAINED SHEAR STRENGTH, ksf									
										1.0	2.0	3.0	4.0	>4.5					
0	0	▨	4 inches asphalt concrete over 4 inches aggregate base																
	0	▨	Silty Sand with Gravel (SM) [Fill]	24	MC-1B	109	16	14											
	0	▨	Lean Clay with Sand (CL) very stiff, moist, dark brown, fine to medium sand, low plasticity Liquid Limit = 31, Plastic Limit = 17 @ 2.0 Liquid Limit = 33, Plastic Limit = 17 @ 4.0	12	2A MC 2B	89	13	16	77										
	5	▨	Poorly Graded Sand with Gravel (SP) medium dense, moist, brown, fine to medium sand, fine subangular to subrounded gravel	21	MC-3B	97	5		3										
	10	▨		26	SPT-4		3												
	15	▨	Lean Clay (CL) stiff, moist, gray with brown mottles, some fine sand, moderate plasticity	15	SPT-5		20												
	20	▨		21	MC-6B	93	28												
	25	▨	Lean Clay with Sand (CL) medium stiff, moist, brown, fine sand, moderate plasticity	14	MC-7B	99	24												
	30	▨	Clayey Sand with Gravel (SC) medium dense, moist, brown, fine to coarse sand, fine to coarse subangular to subrounded gravel	28	MC-8B	125	12												
	30		Bottom of Boring at 30.0 feet.																

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Cornerstone Earth Group

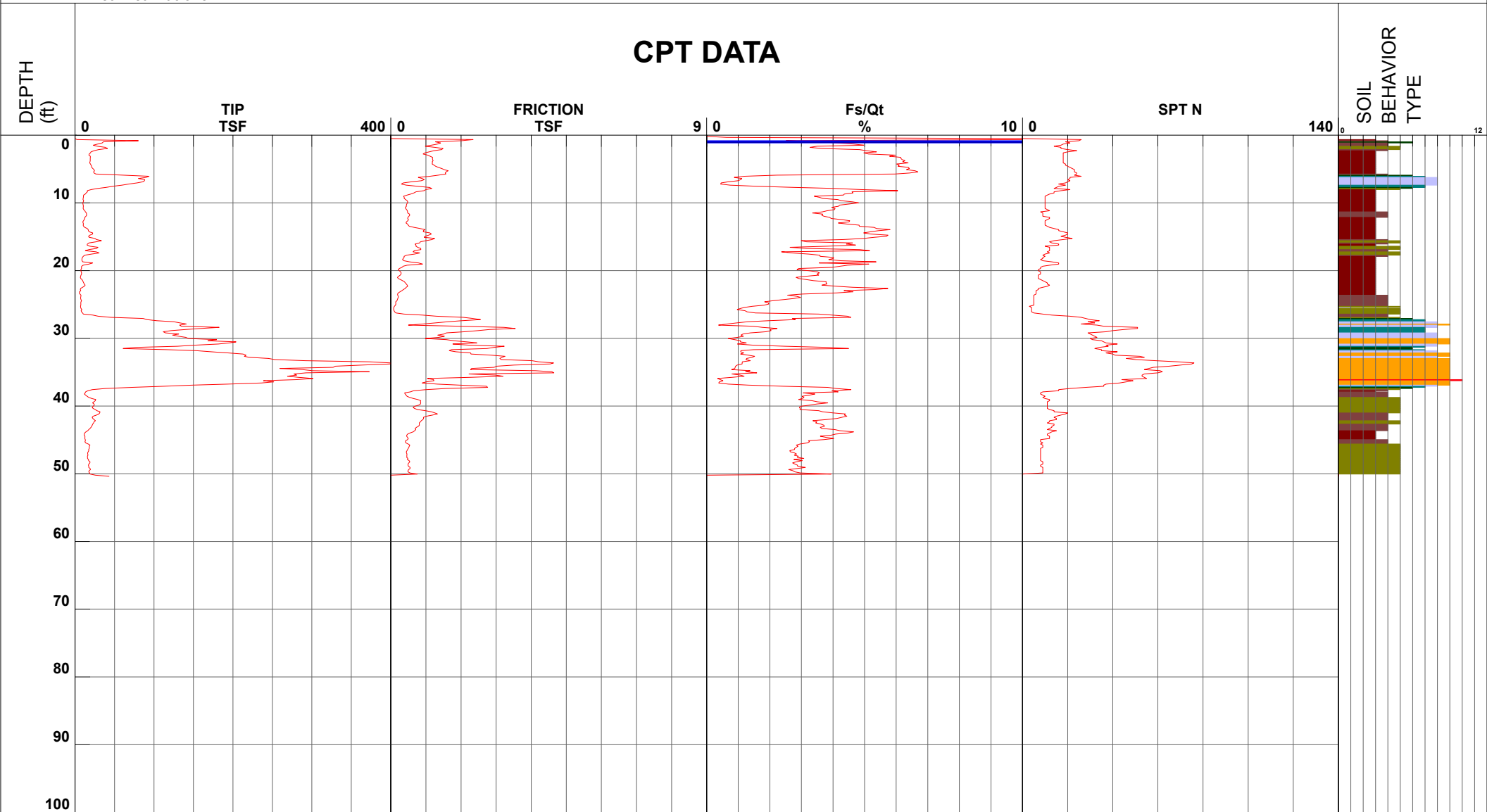
Project Alvarado Crossing
 Job Number 855-4-1
 Hole Number CPT-01
 EST GW Depth During Test

Operator JH-KK
 Cone Number DDG1333
 Date and Time 9/16/2016 11:29:26 AM
 14.00 ft

Filename SDF(086).cpt
 GPS
 Maximum Depth 50.36 ft

Net Area Ratio .8

CPT DATA



- | | | | |
|----------------------------|-------------------------------|------------------------------|----------------------------------|
| 1 - sensitive fine grained | 4 - silty clay to clay | 7 - silty sand to sandy silt | 10 - gravelly sand to sand |
| 2 - organic material | 5 - clayey silt to silty clay | 8 - sand to silty sand | 11 - very stiff fine grained (*) |
| 3 - clay | 6 - sandy silt to clayey silt | 9 - sand | 12 - sand to clayey sand (*) |

Cone Size 10cm squared

S*Soil behavior type and SPT based on data from UBC-1983



Cornerstone Earth Group

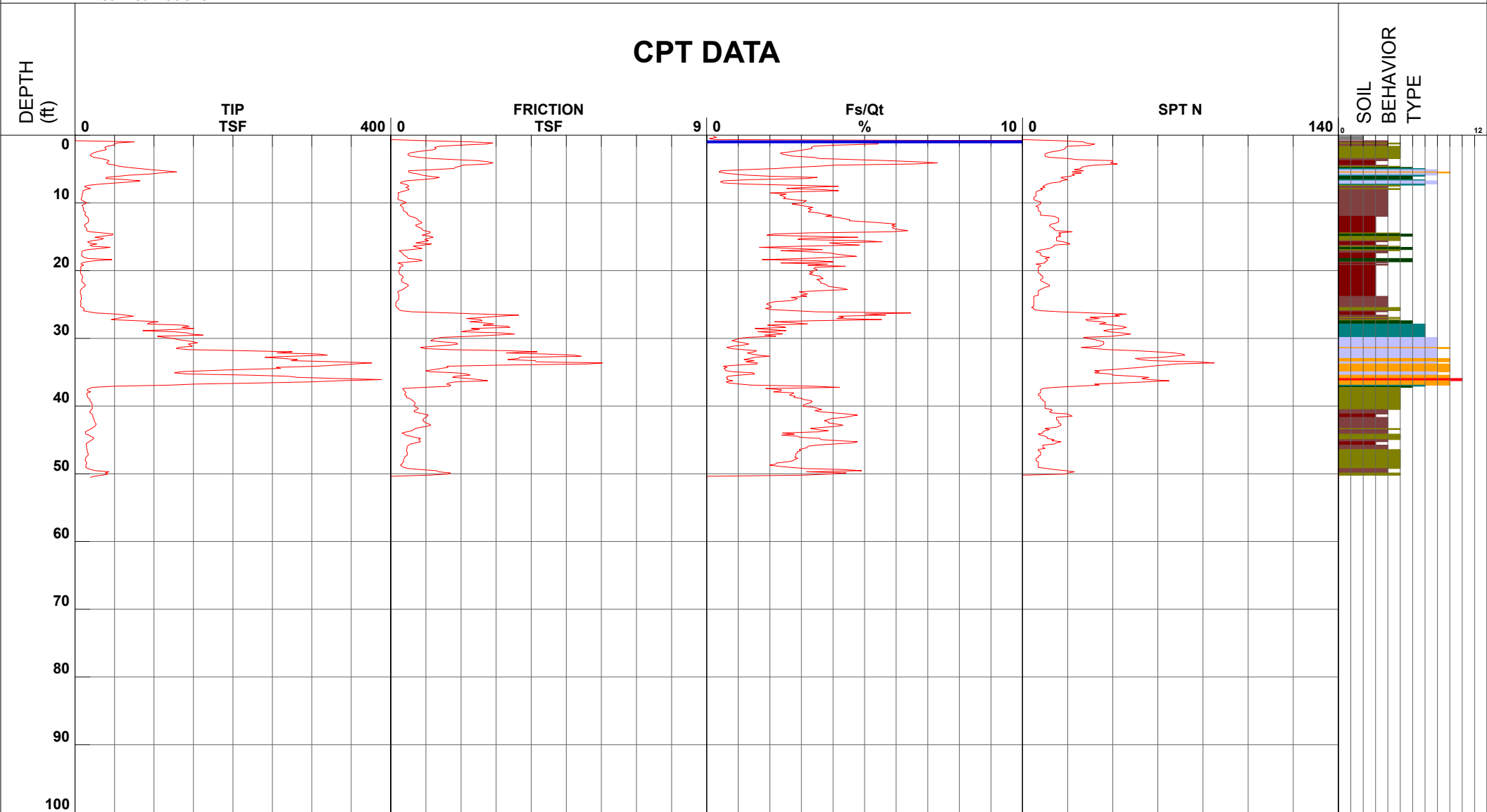
Project Alvarado Crossing
 Job Number 855-4-1
 Hole Number CPT-02
 EST GW Depth During Test

Operator JH-KK
 Cone Number DDG1333
 Date and Time 9/16/2016 10:46:41 AM
 14.00 ft

Filename SDF(085).cpt
 GPS
 Maximum Depth 50.52 ft

Net Area Ratio .8

CPT DATA



- | | | | |
|----------------------------|-------------------------------|------------------------------|----------------------------------|
| 1 - sensitive fine grained | 4 - silty clay to clay | 7 - silty sand to sandy silt | 10 - gravelly sand to sand |
| 2 - organic material | 5 - clayey silt to silty clay | 8 - sand to silty sand | 11 - very stiff fine grained (*) |
| 3 - clay | 6 - sandy silt to clayey silt | 9 - sand | 12 - sand to clayey sand (*) |

Cone Size 10cm squared

S*Soil behavior type and SPT based on data from UBC-1983



Cornerstone Earth Group

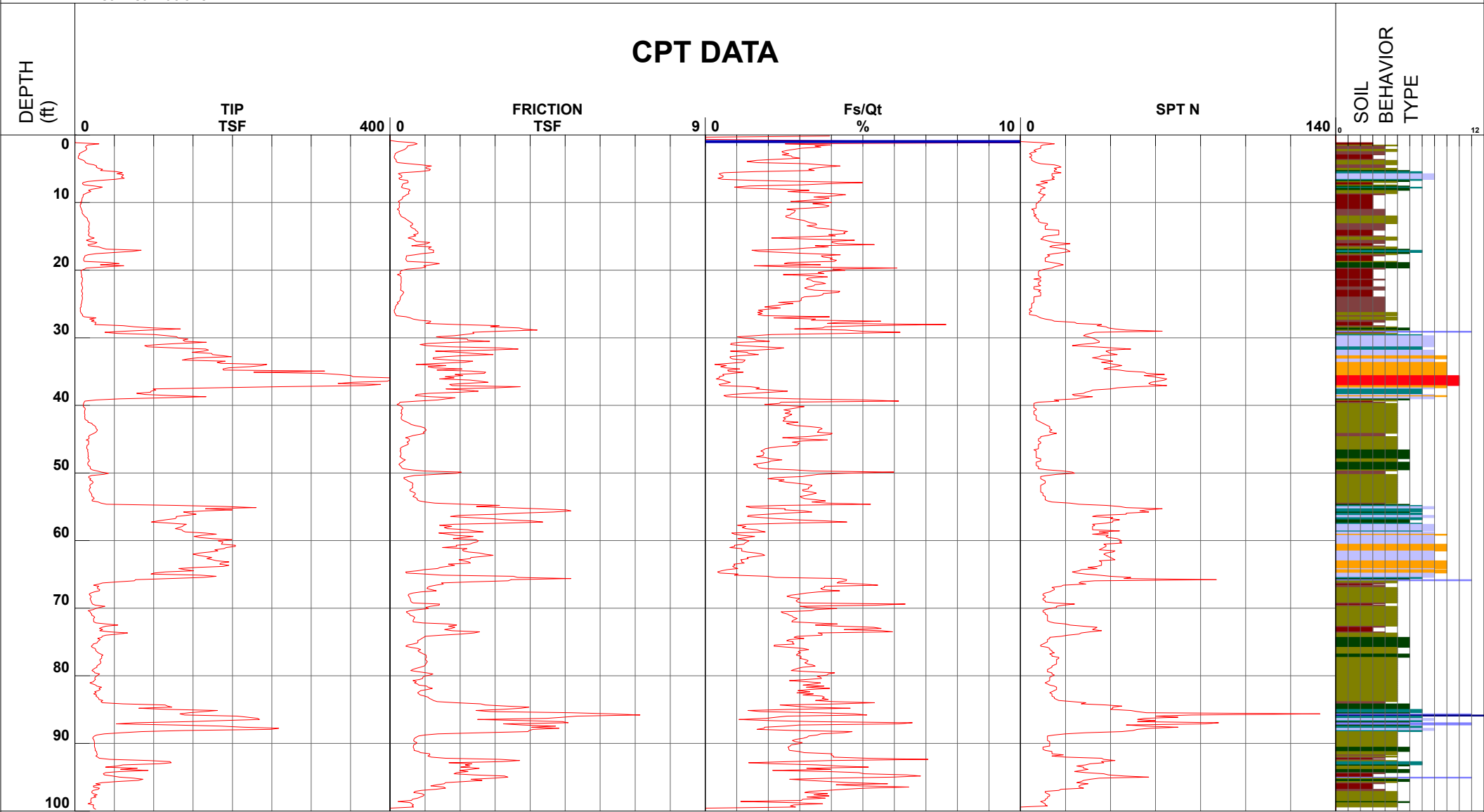
Project Alvarado Crossing
 Job Number 855-4-1
 Hole Number CPT-03
 EST GW Depth During Test

Operator JH-KK
 Cone Number DDG1333
 Date and Time 9/16/2016 7:54:16 AM
 14.00 ft

Filename SDF(083).cpt
 GPS
 Maximum Depth 99.74 ft

Net Area Ratio .8

CPT DATA



- | | | | |
|------------------------------|---------------------------------|--------------------------------|------------------------------------|
| ■ 1 - sensitive fine grained | ■ 4 - silty clay to clay | ■ 7 - silty sand to sandy silt | ■ 10 - gravelly sand to sand |
| ■ 2 - organic material | ■ 5 - clayey silt to silty clay | ■ 8 - sand to silty sand | ■ 11 - very stiff fine grained (*) |
| ■ 3 - clay | ■ 6 - sandy silt to clayey silt | ■ 9 - sand | ■ 12 - sand to clayey sand (*) |

Cone Size 10cm squared

S*Soil behavior type and SPT based on data from UBC-1983



Cornerstone Earth Group

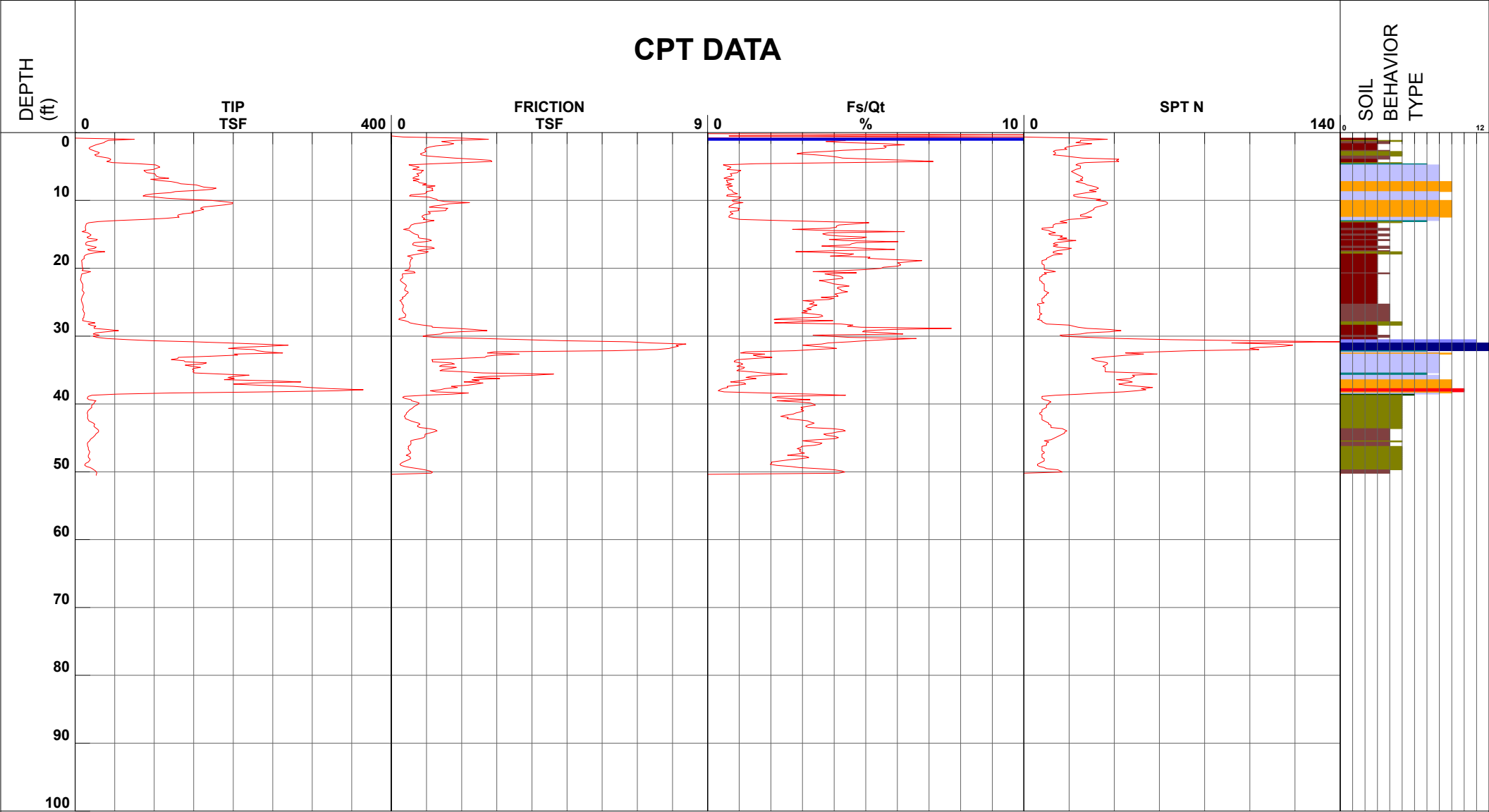
Project Alvarado Crossing
 Job Number 855-4-1
 Hole Number CPT-04
 EST GW Depth During Test

Operator JH-KK
 Cone Number DDG1333
 Date and Time 9/16/2016 9:53:11 AM
 14.00 ft

Filename SDF(084).cpt
 GPS
 Maximum Depth 50.52 ft

Net Area Ratio .8

CPT DATA



- | | | | |
|------------------------------|---------------------------------|--------------------------------|------------------------------------|
| ■ 1 - sensitive fine grained | ■ 4 - silty clay to clay | ■ 7 - silty sand to sandy silt | ■ 10 - gravelly sand to sand |
| ■ 2 - organic material | ■ 5 - clayey silt to silty clay | ■ 8 - sand to silty sand | ■ 11 - very stiff fine grained (*) |
| ■ 3 - clay | ■ 6 - sandy silt to clayey silt | ■ 9 - sand | ■ 12 - sand to clayey sand (*) |

Cone Size 10cm squared

S*Soil behavior type and SPT based on data from UBC-1983

APPENDIX B: LABORATORY TEST PROGRAM

The laboratory testing program was performed to evaluate the physical and mechanical properties of the soils retrieved from the site to aid in verifying soil classification.

Moisture Content: The natural water content was determined (ASTM D2216) on 29 samples of the materials recovered from the borings. These water contents are recorded on the boring logs at the appropriate sample depths.

Dry Densities: In place dry density determinations (ASTM D2937) were performed on 21 samples to measure the unit weight of the subsurface soils. Results of these tests are shown on the boring logs at the appropriate sample depths.

Washed Sieve Analyses: The percent soil fraction passing the No. 200 sieve (ASTM D1140) was determined on four samples of the subsurface soils to aid in the classification of these soils. Results of these tests are shown on the boring logs at the appropriate sample depths.

Permeability: One saturated permeability falling head test (ASTM 5084) was performed on a representative sample of subsurface soil in the area of the detention basin. Results of these tests are included as part of this appendix.

Plasticity Index: Four Plasticity Index determinations (ASTM D4318) were performed on samples of the subsurface soils to measure the range of water contents over which this material exhibits plasticity. The Plasticity Index was used to classify the soil in accordance with the Unified Soil Classification System and to evaluate the soil expansion potential. Results of these tests are shown on the boring logs at the appropriate sample depths.

Corrosion: Three soluble sulfate determinations (ASTM D4327), three resistivity tests (ASTM G57), three chloride determinations (ASTM D4327), and three pH determinations (ASTM G51) were performed on samples of the subgrade soil. Results of these tests are attached to this appendix.



Hydraulic Conductivity
ASTM D 5084
 Method C: Falling Head Rising Tailwater

Job No: 640-1043 **Boring:** EB-2 **Date:** 10/10/16
Client: Cornerstone Earth Group **Sample:** 2A **By:** MD/PJ
Project: Alvarado Street WH - 855-4-1 **Depth, ft.:** 3.5 **Remolded:**
Visual Classification: Brown Clayey SAND

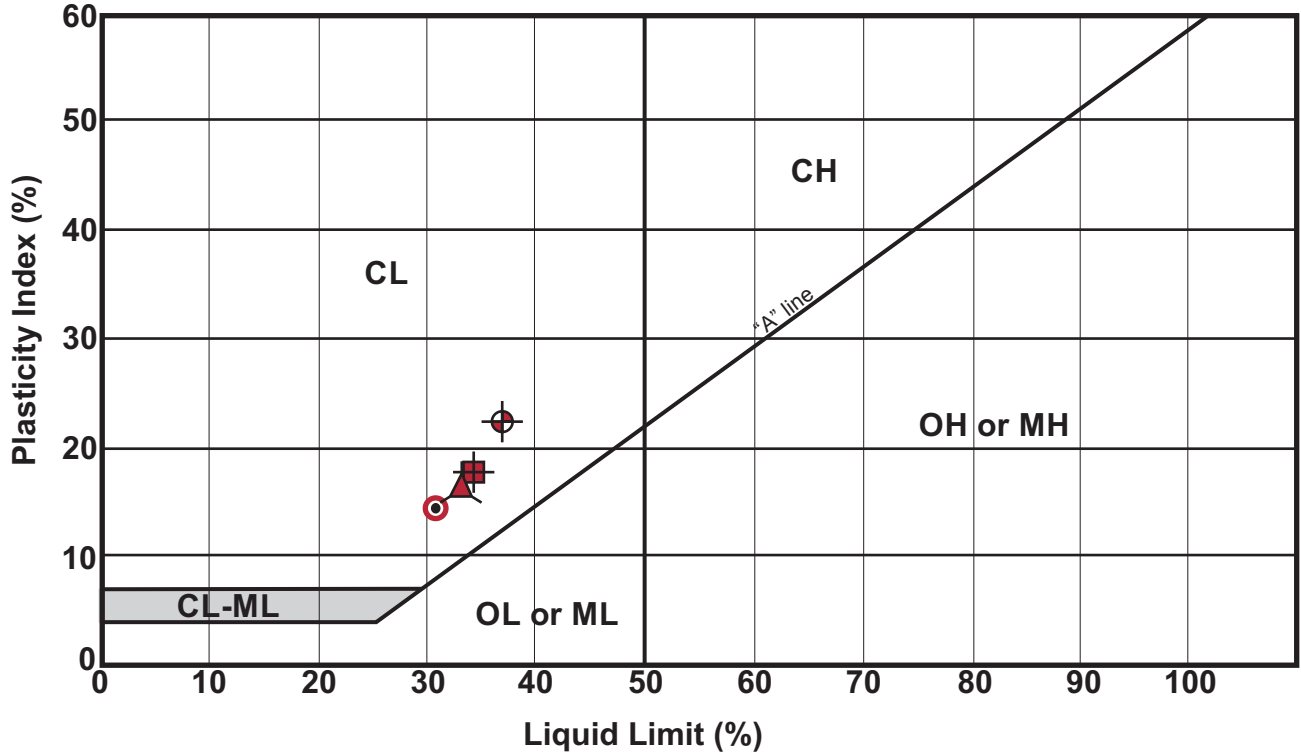
Max Sample Pressures, psi:				B: = >0.95 ("B" is an indication of saturation)
Cell:	Bottom	Top	Avg. Sigma3	Max Hydraulic Gradient: = 6
74	69	69	5	
Date	Minutes	Head, (in)	K,cm/sec	<p>The graph plots Permeability (Y-axis, ranging from 1.0E-07 to 9.0E-05) against Time in minutes (X-axis, ranging from 0 to 80). Six data points are plotted at approximately 5, 20, 45, 60, and 70 minutes, all showing a permeability value of about 2.0E-05 cm/sec. The points are connected by a blue line.</p>
10/7/2016	0.00	15.00	Start of Test	
10/7/2016	4.00	14.10	1.9E-05	
10/7/2016	20.00	11.00	1.9E-05	
10/7/2016	43.00	7.90	1.8E-05	
10/7/2016	61.00	5.60	2.0E-05	
10/7/2016	71.00	4.80	2.0E-05	

Average Hydraulic Conductivity: 2.E-05 cm/sec

Sample Data:	Initial (As-Received)	Final (At-Test)
Height, in	2.52	2.52
Diameter, in	2.41	2.41
Area, in ²	4.57	4.57
Volume in ³	11.51	11.51
Total Volume, cc	188.5	188.6
Volume Solids, cc	118.7	118.7
Volume Voids, cc	69.9	69.9
Void Ratio	0.6	0.6
Total Porosity, %	37.1	37.1
Air-Filled Porosity (θ _a), %	9.7	1.7
Water-Filled Porosity (θ _w), %	27.4	35.4
Saturation, %	73.9	95.5
Specific Gravity	2.70 Assumed	2.70
Wet Weight, gm	372.1	387.2
Dry Weight, gm	320.4	320.4
Tare, gm	0.00	0.00
Moisture, %	16.1	20.8
Wet Bulk Density, pcf	123.2	128.1
Dry Bulk Density, pcf	106.1	106.0
Wet Bulk Dens.pb, (g/cm ³)	1.97	2.05
Dry Bulk Dens.pb, (g/cm ³)	1.70	1.70

Remarks:

Plasticity Index (ASTM D4318) Testing Summary



Symbol	Boring No.	Depth (ft)	Natural Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index	Passing No. 200 (%)	Group Name (USCS - ASTM D2487)
	EB-1	4.0	17	37	15	22	—	Lean Clay with Sand (CL)
	EB-2	2.0	16	34	16	18	—	Lean Clay with Sand (CL)
	EB-3	2.0	16	31	17	14	—	Lean Clay with Sand (CL)
	EB-3	3.5	13	33	17	16	—	Lean Clay with Sand (CL)



Plasticity Index Testing Summary

**Alvarado Street Warehouse
San Leandro, CA**

Project Number
855-4-1

Figure Number
Figure B1

Date: September 2016 Drawn By: FLL

APPENDIX C: SITE CORROSIVITY EVALUATION

JDH CORROSION CONSULTANTS REPORT DATED OCTOBER 5, 2016

October 5, 2016

Cornerstone Earth Group
 1259 Oakmead Parkway
 Sunnyvale, California 94085

Attention: **Mr. Nick S. Devlin, P.E.**
Project Engineer

Subject: **Site Corrosivity Evaluation**
2756 Alvarado St
San Leandro, CA
Job #: 855-4-1

Dear Nick,

In accordance with your request, we have reviewed the laboratory soils data for the above referenced project site. Our evaluation of these results and our corresponding recommendations for corrosion control for the above referenced project foundations and buried site utilities are presented herein for your consideration.

Soil Testing & Analysis

Soil Chemical Analysis

Three (3) soil samples from the project site were chemically analyzed for corrosivity by **Cooper Testing Laboratories**. Each sample was analyzed for chloride and sulfate concentration, pH, resistivity at 100% saturation and moisture percentage. The test results are presented in Cooper Testing Laboratories *Corrosivity Test Summary* dated 10/4/2016. The results of the chemical analysis were as follows:

Soil Laboratory Analysis

Chemical Analysis	Range of Results	Corrosion Classification*
Chlorides	4 – 14 mg/kg	Non-corrosive*
Sulfates	28 – 115 mg/kg	Non-corrosive**
pH	6.7 – 7.3	Non-corrosive *
Moisture (%)	6.6 – 17.1 %	Not-applicable
Resistivity at 100% Saturation	1,635 – 5,040 ohm-cm	Corrosive to Moderately Corrosive*

* With respect to bare steel or ductile iron.

** With respect to mortar coated steel

Discussion

Reinforced Concrete Foundations

Due to the low levels of water-soluble sulfates found in these soils, there is no special requirement for sulfate resistant concrete to be used at this site. The type of cement used should be in accordance with California Building Code (CBC) for soils which have less than 0.10 percent by weight of water soluble sulfate (SO₄) in soil and the minimum depth of cover for the reinforcing steel should be as specified in CBC as well.

Underground Metallic Pipelines

The soils at the project site are generally considered to be “corrosive” to ductile/cast iron, steel and dielectric coated steel based on the saturated resistivity measurements. Therefore, special requirements for corrosion control are required for buried metallic utilities at this site depending upon the critical nature of the piping. Pressure piping systems such as domestic and fire water should be provided with appropriate coating systems and cathodic protection, where warranted. In addition, all underground pipelines should be electrically isolated from above grade structures, reinforced concrete structures and copper lines in order to avoid potential galvanic corrosion problems.

LIMITATIONS

The conclusions and recommendations contained in this report are based on the information and assumptions referenced herein. All services provided herein were performed by persons who are experienced and skilled in providing these types of services and in accordance with the standards of workmanship in this profession. No other warranties or guarantees, expressed or implied, is provided.

We thank you for the opportunity to be of service to **Cornerstone Earth Group** on this project and trust that you find the enclosed information satisfactory. If you have any questions, or if we can be of any additional assistance, please feel free to contact us at (925) 927-6630.

Respectfully submitted,

Brendon Hurley

Brendon Hurley
JDH Corrosion Consultants, Inc.
Field Technician

Mohammed Ali

Mohammed Ali, P.E.
JDH Corrosion Consultants, Inc.
Principal



CC: File 16209

Appendix B

Greenhouse Gas Modeling Worksheets

Alvarado Commerce Center - Existing Uses - Alameda County, Annual

Alvarado Commerce Center - Existing Uses
Alameda County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	20.00	1000sqft	0.46	20,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	63
Climate Zone	5			Operational Year	2018
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Alvarado Commerce Center - Existing Uses - Alameda County, Annual

Project Characteristics - No construction for existing use

Land Use -

Construction Phase - Site already exists

Off-road Equipment -

Off-road Equipment - No equipment needed

Trips and VMT - No site prep needed

Vehicle Trips - Daily trip rate 3.56 from Traffic Impact Study

Energy Use -

Water And Wastewater -

Solid Waste -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	PhaseEndDate	7/6/2017	12/1/2016
tblConstructionPhase	PhaseStartDate	7/5/2017	12/1/2016
tblVehicleTrips	WD_TR	1.68	3.56

2.0 Emissions Summary

Alvarado Commerce Center - Existing Uses - Alameda County, Annual

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	0.0886	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-004
Energy	1.5000e-004	1.3600e-003	1.1400e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	23.8837	23.8837	1.0400e-003	2.4000e-004	23.9803
Mobile	0.0251	0.1579	0.3014	9.2000e-004	0.0660	1.3600e-003	0.0674	0.0178	1.2900e-003	0.0191	0.0000	84.0618	84.0618	3.9300e-003	0.0000	84.1600
Waste						0.0000	0.0000		0.0000	0.0000	3.8162	0.0000	3.8162	0.2255	0.0000	9.4546
Water						0.0000	0.0000		0.0000	0.0000	1.4673	7.2803	8.7476	0.1510	3.6300e-003	13.6042
Total	0.1138	0.1593	0.3027	9.3000e-004	0.0660	1.4600e-003	0.0675	0.0178	1.3900e-003	0.0192	5.2835	115.2262	120.5097	0.3815	3.8700e-003	131.1994

Alvarado Commerce Center - Existing Uses - Alameda County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0886	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-004
Energy	1.5000e-004	1.3600e-003	1.1400e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	23.8837	23.8837	1.0400e-003	2.4000e-004	23.9803
Mobile	0.0251	0.1579	0.3014	9.2000e-004	0.0660	1.3600e-003	0.0674	0.0178	1.2900e-003	0.0191	0.0000	84.0618	84.0618	3.9300e-003	0.0000	84.1600
Waste						0.0000	0.0000		0.0000	0.0000	3.8162	0.0000	3.8162	0.2255	0.0000	9.4546
Water						0.0000	0.0000		0.0000	0.0000	1.4673	7.2803	8.7476	0.1510	3.6300e-003	13.6042
Total	0.1138	0.1593	0.3027	9.3000e-004	0.0660	1.4600e-003	0.0675	0.0178	1.3900e-003	0.0192	5.2835	115.2262	120.5097	0.3815	3.8700e-003	131.1994

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	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	Site Preparation	Site Preparation	12/1/2016	12/1/2016	5	1	

Acres of Grading (Site Preparation Phase): 0.5

Alvarado Commerce Center - Existing Uses - Alameda County, Annual

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	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
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Alvarado Commerce Center - Existing Uses - Alameda County, Annual

3.2 Site Preparation - 2016

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					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.4000e-004	5.4600e-003	2.1900e-003	0.0000		2.5000e-004	2.5000e-004		2.3000e-004	2.3000e-004	0.0000	0.4607	0.4607	1.4000e-004	0.0000	0.4642
Total	4.4000e-004	5.4600e-003	2.1900e-003	0.0000	2.7000e-004	2.5000e-004	5.2000e-004	3.0000e-005	2.3000e-004	2.6000e-004	0.0000	0.4607	0.4607	1.4000e-004	0.0000	0.4642

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	1.0000e-005	1.0000e-005	1.1000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0197	0.0197	0.0000	0.0000	0.0197
Total	1.0000e-005	1.0000e-005	1.1000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0197	0.0197	0.0000	0.0000	0.0197

Alvarado Commerce Center - Existing Uses - Alameda County, Annual

3.2 Site Preparation - 2016

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					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.4000e-004	5.4600e-003	2.1900e-003	0.0000		2.5000e-004	2.5000e-004		2.3000e-004	2.3000e-004	0.0000	0.4607	0.4607	1.4000e-004	0.0000	0.4641
Total	4.4000e-004	5.4600e-003	2.1900e-003	0.0000	2.7000e-004	2.5000e-004	5.2000e-004	3.0000e-005	2.3000e-004	2.6000e-004	0.0000	0.4607	0.4607	1.4000e-004	0.0000	0.4641

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	1.0000e-005	1.0000e-005	1.1000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0197	0.0197	0.0000	0.0000	0.0197
Total	1.0000e-005	1.0000e-005	1.1000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0197	0.0197	0.0000	0.0000	0.0197

4.0 Operational Detail - Mobile

Alvarado Commerce Center - Existing Uses - Alameda County, Annual

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	0.0251	0.1579	0.3014	9.2000e-004	0.0660	1.3600e-003	0.0674	0.0178	1.2900e-003	0.0191	0.0000	84.0618	84.0618	3.9300e-003	0.0000	84.1600
Unmitigated	0.0251	0.1579	0.3014	9.2000e-004	0.0660	1.3600e-003	0.0674	0.0178	1.2900e-003	0.0191	0.0000	84.0618	84.0618	3.9300e-003	0.0000	84.1600

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	71.20	33.60	33.60	176,505	176,505
Total	71.20	33.60	33.60	176,505	176,505

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Unrefrigerated Warehouse-No Rail	9.50	7.30	7.30	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
Unrefrigerated Warehouse-No Rail	0.554474	0.043142	0.191138	0.112530	0.018944	0.005241	0.021676	0.041026	0.002037	0.003103	0.005598	0.000292	0.000801

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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	22.4002	22.4002	1.0100e-003	2.1000e-004	22.4880
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	22.4002	22.4002	1.0100e-003	2.1000e-004	22.4880
NaturalGas Mitigated	1.5000e-004	1.3600e-003	1.1400e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4835	1.4835	3.0000e-005	3.0000e-005	1.4923
NaturalGas Unmitigated	1.5000e-004	1.3600e-003	1.1400e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4835	1.4835	3.0000e-005	3.0000e-005	1.4923

Alvarado Commerce Center - Existing Uses - Alameda County, Annual

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					
Unrefrigerated Warehouse-No Rail	27800	1.5000e-004	1.3600e-003	1.1400e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4835	1.4835	3.0000e-005	3.0000e-005	1.4923
Total		1.5000e-004	1.3600e-003	1.1400e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4835	1.4835	3.0000e-005	3.0000e-005	1.4923

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					
Unrefrigerated Warehouse-No Rail	27800	1.5000e-004	1.3600e-003	1.1400e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4835	1.4835	3.0000e-005	3.0000e-005	1.4923
Total		1.5000e-004	1.3600e-003	1.1400e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4835	1.4835	3.0000e-005	3.0000e-005	1.4923

Alvarado Commerce Center - Existing Uses - Alameda County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	77000	22.4002	1.0100e-003	2.1000e-004	22.4880
Total		22.4002	1.0100e-003	2.1000e-004	22.4880

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	77000	22.4002	1.0100e-003	2.1000e-004	22.4880
Total		22.4002	1.0100e-003	2.1000e-004	22.4880

6.0 Area Detail

6.1 Mitigation Measures Area

Alvarado Commerce Center - Existing Uses - Alameda County, Annual

	ROG	NOx	CO	SO2	Fugitive 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	0.0886	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-004
Unmitigated	0.0886	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-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	0.0104					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0781					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-004
Total	0.0886	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-004

Alvarado Commerce Center - Existing Uses - Alameda County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0104					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0781					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-004
Total	0.0886	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Alvarado Commerce Center - Existing Uses - Alameda County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	8.7476	0.1510	3.6300e-003	13.6042
Unmitigated	8.7476	0.1510	3.6300e-003	13.6042

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	4.625 / 0	8.7476	0.1510	3.6300e-003	13.6042
Total		8.7476	0.1510	3.6300e-003	13.6042

Alvarado Commerce Center - Existing Uses - Alameda County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	4.625 / 0	8.7476	0.1510	3.6300e-003	13.6042
Total		8.7476	0.1510	3.6300e-003	13.6042

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.8162	0.2255	0.0000	9.4546
Unmitigated	3.8162	0.2255	0.0000	9.4546

Alvarado Commerce Center - Existing Uses - Alameda County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	18.8	3.8162	0.2255	0.0000	9.4546
Total		3.8162	0.2255	0.0000	9.4546

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	18.8	3.8162	0.2255	0.0000	9.4546
Total		3.8162	0.2255	0.0000	9.4546

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Alvarado Commerce Center - Existing Uses - Alameda County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

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

Equipment Type	Number
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11.0 Vegetation

Greenhouse Gas Emission Worksheet
N2O Mobile Emissions

Existing Onsite Use - Alvarado Commerce Center

From URBEMIS 2007 Vehicle Fleet Mix Output:

Annual VMT: 176,505

Vehicle Type	Percent Type	CH4 Emission Factor (g/mile)*	CH4 Emission (g/mile)**	N2O Emission Factor (g/mile)*	N2O Emission (g/mile)**
Light Auto	0.552301	0.04	0.022092	0.04	0.022092
Light Truck < 3750 lbs	0.044445	0.05	0.0022223	0.06	0.002667
Light Truck 3751-5750 lbs	0.191092	0.05	0.0095546	0.06	0.011466
Med Truck 5751-8500 lbs	0.113511	0.12	0.0136213	0.2	0.022702
Lite-Heavy Truck 8501-10,000 lbs	0.019804	0.12	0.0023765	0.2	0.003961
Lite-Heavy Truck 10,001-14,000 lbs	0.005244	0.09	0.000472	0.125	0.000656
Med-Heavy Truck 14,001-33,000 lbs	0.021237	0.06	0.0012742	0.05	0.001062
Heavy-Heavy Truck 33,001-60,000 lbs	0.040292	0.06	0.0024175	0.05	0.002015
Other Bus	0.001997	0.06	0.0001198	0.05	9.99E-05
Urban Bus	0.003362	0.06	0.0002017	0.05	0.000168
Motorcycle	0.005607	0.09	0.0005046	0.01	5.61E-05
School Bus	0.000283	0.06	1.698E-05	0.05	1.42E-05
Motor Home	0.000826	0.09	7.434E-05	0.125	0.000103
Total	100.0%		0.0549479		0.067061

Total Emissions (metric tons) =

Emission Factor by Vehicle Mix (g/mi) x Annual VMT(mi) x 0.000001 metric tons/g

Conversion to Carbon Dioxide Equivalency (CO2e) Units based on Global Warming Potential (GWP)

CH4 21 GWP
 N2O 310 GWP
 1 ton (short, US) = 0.90718474 metric ton

Annual Mobile Emissions:

	Total Emissions	Total CO2e units
N2O Emissions:	0.0118 metric tons N2O	3.67 metric tons CO2e
Project Total:	3.67 metric tons CO2e	

References

- * from Table C.4: Methane and Nitrous Oxide Emission Factors for Mobile Sources by Vehicle and Fuel Type (g/mile). in California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009. Assume Model year 2000-present, gasoline fueled.
- ** Source: California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.
- *** From URBEMIS 2007 results for mobile sources

Alvarado Commerce Center Project - Alameda County, Annual

Alvarado Commerce Center Project
Alameda County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Manufacturing	159.45	1000sqft	6.33	159,450.00	0
Parking Lot	166.00	Space	0.57	66,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	63
Climate Zone	5			Operational Year	2019
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Alvarado Commerce Center Project - Alameda County, Annual

Project Characteristics -

Land Use - Site size 6.9 acres

Construction Phase - Construction schedule provided by applicant

Demolition -

Grading -

Vehicle Trips - Trip rates from traffic study

Water And Wastewater - Indoor water use from IS/MND calculations. Landscaping water useage per landscaping plans

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Energy Mitigation -

Mobile Commute Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblLandUse	LotAcreage	3.66	6.33
tblLandUse	LotAcreage	1.49	0.57
tblProjectCharacteristics	OperationalYear	2018	2019
tblVehicleTrips	WD_TR	3.82	4.66
tblWater	AerobicPercent	87.46	97.79
tblWater	AerobicPercent	87.46	97.79
tblWater	IndoorWaterUseRate	36,872,812.50	5,587,055.00
tblWater	OutdoorWaterUseRate	0.00	251,160.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

Alvarado Commerce Center Project - Alameda County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2018	3-31-2018	1.4471	1.4471
2	4-1-2018	6-30-2018	1.0357	1.0357
3	7-1-2018	9-30-2018	1.3745	1.3745
		Highest	1.4471	1.4471

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	0.7118	3.0000e-005	3.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8200e-003	5.8200e-003	2.0000e-005	0.0000	6.2100e-003
Energy	0.0214	0.1941	0.1630	1.1600e-003		0.0148	0.0148		0.0148	0.0148	0.0000	585.4444	585.4444	0.0210	7.3700e-003	588.1660
Mobile	0.2194	1.4353	2.6116	8.5800e-003	0.6322	0.0120	0.6442	0.1700	0.0114	0.1813	0.0000	788.9924	788.9924	0.0353	0.0000	789.8760
Waste						0.0000	0.0000		0.0000	0.0000	40.1354	0.0000	40.1354	2.3719	0.0000	99.4337
Water						0.0000	0.0000		0.0000	0.0000	1.9767	9.0504	11.0271	0.0521	4.3800e-003	13.6355
Total	0.9526	1.6295	2.7777	9.7400e-003	0.6322	0.0268	0.6589	0.1700	0.0261	0.1961	42.1121	1,383.493 1	1,425.605 2	2.4803	0.0118	1,491.117 4

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7118	3.0000e-005	3.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8200e-003	5.8200e-003	2.0000e-005	0.0000	6.2100e-003
Energy	0.0206	0.1871	0.1571	1.1200e-003		0.0142	0.0142		0.0142	0.0142	0.0000	385.2737	385.2737	0.0121	5.4300e-003	387.1955
Mobile	0.2125	1.3706	2.4644	7.9900e-003	0.5849	0.0112	0.5960	0.1573	0.0106	0.1678	0.0000	734.5099	734.5099	0.0337	0.0000	735.3523
Waste						0.0000	0.0000		0.0000	0.0000	20.0677	0.0000	20.0677	1.1860	0.0000	49.7168
Water						0.0000	0.0000		0.0000	0.0000	1.9767	9.0504	11.0271	0.0521	4.3800e-003	13.6355
Total	0.9450	1.5577	2.6245	9.1100e-003	0.5849	0.0254	0.6103	0.1573	0.0248	0.1821	22.0444	1,128.8398	1,150.8842	1.2839	9.8100e-003	1,185.9064

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.81	4.40	5.51	6.47	7.48	5.08	7.38	7.48	5.05	7.16	47.65	18.41	19.27	48.24	16.51	20.47

3.0 Construction Detail

Construction Phase

Alvarado Commerce Center Project - Alameda County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2018	2/9/2018	5	20	
2	Site Preparation	Site Preparation	2/10/2018	2/23/2018	5	10	
3	Grading	Grading	2/24/2018	3/23/2018	5	20	
4	Building Construction	Building Construction	3/24/2018	8/10/2018	5	230	
5	Paving	Paving	8/11/2018	9/7/2018	5	20	
6	Architectural Coating	Architectural Coating	9/8/2018	10/5/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0.57

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 239,175; Non-Residential Outdoor: 79,725; Striped Parking Area: 3,984 (Architectural Coating – sqft)

OffRoad Equipment

Alvarado Commerce Center Project - Alameda County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Alvarado Commerce Center Project - Alameda County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	634.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	95.00	37.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	19.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

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					0.1030	0.0000	0.1030	0.0156	0.0000	0.0156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0558	0.5748	0.3346	5.8000e-004		0.0291	0.0291		0.0271	0.0271	0.0000	52.6861	52.6861	0.0145	0.0000	53.0490
Total	0.0558	0.5748	0.3346	5.8000e-004	0.1030	0.0291	0.1320	0.0156	0.0271	0.0427	0.0000	52.6861	52.6861	0.0145	0.0000	53.0490

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3.2 Demolition - 2018

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	4.5300e-003	0.1554	0.0257	3.9000e-004	6.0500e-003	5.9000e-004	6.6300e-003	1.7200e-003	5.6000e-004	2.2900e-003	0.0000	37.1626	37.1626	1.9600e-003	0.0000	37.2116
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	9.4000e-004	7.4000e-004	7.3900e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.9000e-004	0.0000	1.6811	1.6811	5.0000e-005	0.0000	1.6824
Total	5.4700e-003	0.1562	0.0331	4.1000e-004	7.8300e-003	6.0000e-004	8.4200e-003	2.1900e-003	5.7000e-004	2.7800e-003	0.0000	38.8437	38.8437	2.0100e-003	0.0000	38.8939

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					0.1030	0.0000	0.1030	0.0156	0.0000	0.0156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0558	0.5748	0.3346	5.8000e-004		0.0291	0.0291		0.0271	0.0271	0.0000	52.6861	52.6861	0.0145	0.0000	53.0489
Total	0.0558	0.5748	0.3346	5.8000e-004	0.1030	0.0291	0.1320	0.0156	0.0271	0.0427	0.0000	52.6861	52.6861	0.0145	0.0000	53.0489

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3.2 Demolition - 2018

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	4.5300e-003	0.1554	0.0257	3.9000e-004	6.0500e-003	5.9000e-004	6.6300e-003	1.7200e-003	5.6000e-004	2.2900e-003	0.0000	37.1626	37.1626	1.9600e-003	0.0000	37.2116
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	9.4000e-004	7.4000e-004	7.3900e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.9000e-004	0.0000	1.6811	1.6811	5.0000e-005	0.0000	1.6824
Total	5.4700e-003	0.1562	0.0331	4.1000e-004	7.8300e-003	6.0000e-004	8.4200e-003	2.1900e-003	5.7000e-004	2.7800e-003	0.0000	38.8437	38.8437	2.0100e-003	0.0000	38.8939

3.3 Site Preparation - 2018

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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0228	0.2410	0.1124	1.9000e-004		0.0129	0.0129		0.0119	0.0119	0.0000	17.3800	17.3800	5.4100e-003	0.0000	17.5152
Total	0.0228	0.2410	0.1124	1.9000e-004	0.0903	0.0129	0.1032	0.0497	0.0119	0.0615	0.0000	17.3800	17.3800	5.4100e-003	0.0000	17.5152

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3.3 Site Preparation - 2018

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	3.8000e-004	3.0000e-004	2.9600e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6724	0.6724	2.0000e-005	0.0000	0.6730
Total	3.8000e-004	3.0000e-004	2.9600e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6724	0.6724	2.0000e-005	0.0000	0.6730

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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0228	0.2410	0.1124	1.9000e-004		0.0129	0.0129		0.0119	0.0119	0.0000	17.3799	17.3799	5.4100e-003	0.0000	17.5152
Total	0.0228	0.2410	0.1124	1.9000e-004	0.0903	0.0129	0.1032	0.0497	0.0119	0.0615	0.0000	17.3799	17.3799	5.4100e-003	0.0000	17.5152

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3.3 Site Preparation - 2018

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	3.8000e-004	3.0000e-004	2.9600e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6724	0.6724	2.0000e-005	0.0000	0.6730
Total	3.8000e-004	3.0000e-004	2.9600e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6724	0.6724	2.0000e-005	0.0000	0.6730

3.4 Grading - 2018

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					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0277	0.3067	0.1658	3.0000e-004		0.0155	0.0155		0.0143	0.0143	0.0000	27.1069	27.1069	8.4400e-003	0.0000	27.3178
Total	0.0277	0.3067	0.1658	3.0000e-004	0.0655	0.0155	0.0810	0.0337	0.0143	0.0479	0.0000	27.1069	27.1069	8.4400e-003	0.0000	27.3178

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3.4 Grading - 2018

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	6.3000e-004	4.9000e-004	4.9300e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.1207	1.1207	4.0000e-005	0.0000	1.1216
Total	6.3000e-004	4.9000e-004	4.9300e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.1207	1.1207	4.0000e-005	0.0000	1.1216

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					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0277	0.3067	0.1658	3.0000e-004		0.0155	0.0155		0.0143	0.0143	0.0000	27.1068	27.1068	8.4400e-003	0.0000	27.3178
Total	0.0277	0.3067	0.1658	3.0000e-004	0.0655	0.0155	0.0810	0.0337	0.0143	0.0479	0.0000	27.1068	27.1068	8.4400e-003	0.0000	27.3178

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3.4 Grading - 2018

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	6.3000e-004	4.9000e-004	4.9300e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.1207	1.1207	4.0000e-005	0.0000	1.1216
Total	6.3000e-004	4.9000e-004	4.9300e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.1207	1.1207	4.0000e-005	0.0000	1.1216

3.5 Building Construction - 2018

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	0.1340	1.1695	0.8790	1.3500e-003		0.0750	0.0750		0.0705	0.0705	0.0000	118.8836	118.8836	0.0291	0.0000	119.6118
Total	0.1340	1.1695	0.8790	1.3500e-003		0.0750	0.0750		0.0705	0.0705	0.0000	118.8836	118.8836	0.0291	0.0000	119.6118

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3.5 Building Construction - 2018

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	9.1900e-003	0.2494	0.0570	5.2000e-004	0.0122	1.7800e-003	0.0139	3.5100e-003	1.7000e-003	5.2200e-003	0.0000	49.6171	49.6171	3.1800e-003	0.0000	49.6964
Worker	0.0199	0.0156	0.1560	3.9000e-004	0.0376	2.7000e-004	0.0378	9.9900e-003	2.5000e-004	0.0102	0.0000	35.4891	35.4891	1.1100e-003	0.0000	35.5169
Total	0.0291	0.2650	0.2129	9.1000e-004	0.0497	2.0500e-003	0.0518	0.0135	1.9500e-003	0.0155	0.0000	85.1061	85.1061	4.2900e-003	0.0000	85.2133

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	0.1340	1.1695	0.8790	1.3500e-003		0.0750	0.0750		0.0705	0.0705	0.0000	118.8835	118.8835	0.0291	0.0000	119.6116
Total	0.1340	1.1695	0.8790	1.3500e-003		0.0750	0.0750		0.0705	0.0705	0.0000	118.8835	118.8835	0.0291	0.0000	119.6116

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3.5 Building Construction - 2018

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	9.1900e-003	0.2494	0.0570	5.2000e-004	0.0122	1.7800e-003	0.0139	3.5100e-003	1.7000e-003	5.2200e-003	0.0000	49.6171	49.6171	3.1800e-003	0.0000	49.6964
Worker	0.0199	0.0156	0.1560	3.9000e-004	0.0376	2.7000e-004	0.0378	9.9900e-003	2.5000e-004	0.0102	0.0000	35.4891	35.4891	1.1100e-003	0.0000	35.5169
Total	0.0291	0.2650	0.2129	9.1000e-004	0.0497	2.0500e-003	0.0518	0.0135	1.9500e-003	0.0155	0.0000	85.1061	85.1061	4.2900e-003	0.0000	85.2133

3.6 Paving - 2018

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	0.0164	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736
Paving	7.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0172	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736

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3.6 Paving - 2018

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	6.3000e-004	4.9000e-004	4.9300e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.1207	1.1207	4.0000e-005	0.0000	1.1216
Total	6.3000e-004	4.9000e-004	4.9300e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.1207	1.1207	4.0000e-005	0.0000	1.1216

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	0.0164	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736
Paving	7.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0172	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736

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3.6 Paving - 2018

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	6.3000e-004	4.9000e-004	4.9300e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.1207	1.1207	4.0000e-005	0.0000	1.1216
Total	6.3000e-004	4.9000e-004	4.9300e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.1207	1.1207	4.0000e-005	0.0000	1.1216

3.7 Architectural Coating - 2018

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	0.8453					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0201	0.0185	3.0000e-005		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	2.5533	2.5533	2.4000e-004	0.0000	2.5593
Total	0.8483	0.0201	0.0185	3.0000e-005		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	2.5533	2.5533	2.4000e-004	0.0000	2.5593

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3.7 Architectural Coating - 2018

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	8.0000e-004	6.3000e-004	6.2400e-003	2.0000e-005	1.5000e-003	1.0000e-005	1.5100e-003	4.0000e-004	1.0000e-005	4.1000e-004	0.0000	1.4196	1.4196	4.0000e-005	0.0000	1.4207
Total	8.0000e-004	6.3000e-004	6.2400e-003	2.0000e-005	1.5000e-003	1.0000e-005	1.5100e-003	4.0000e-004	1.0000e-005	4.1000e-004	0.0000	1.4196	1.4196	4.0000e-005	0.0000	1.4207

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	0.8453					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0201	0.0185	3.0000e-005		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	2.5533	2.5533	2.4000e-004	0.0000	2.5593
Total	0.8483	0.0201	0.0185	3.0000e-005		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	2.5533	2.5533	2.4000e-004	0.0000	2.5593

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3.7 Architectural Coating - 2018

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	8.0000e-004	6.3000e-004	6.2400e-003	2.0000e-005	1.5000e-003	1.0000e-005	1.5100e-003	4.0000e-004	1.0000e-005	4.1000e-004	0.0000	1.4196	1.4196	4.0000e-005	0.0000	1.4207
Total	8.0000e-004	6.3000e-004	6.2400e-003	2.0000e-005	1.5000e-003	1.0000e-005	1.5100e-003	4.0000e-004	1.0000e-005	4.1000e-004	0.0000	1.4196	1.4196	4.0000e-005	0.0000	1.4207

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Implement Trip Reduction Program

Employee Vanpool/Shuttle

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	ROG	NOx	CO	SO2	Fugitive 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	0.2125	1.3706	2.4644	7.9900e-003	0.5849	0.0112	0.5960	0.1573	0.0106	0.1678	0.0000	734.5099	734.5099	0.0337	0.0000	735.3523
Unmitigated	0.2194	1.4353	2.6116	8.5800e-003	0.6322	0.0120	0.6442	0.1700	0.0114	0.1813	0.0000	788.9924	788.9924	0.0353	0.0000	789.8760

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Manufacturing	743.04	237.58	98.86	1,689,823	1,563,404
Parking Lot	0.00	0.00	0.00		
Total	743.04	237.58	98.86	1,689,823	1,563,404

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Manufacturing	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Manufacturing	0.556416	0.041967	0.190895	0.111485	0.018156	0.005234	0.022193	0.041963	0.002079	0.002948	0.005586	0.000300	0.000779
Parking Lot	0.556416	0.041967	0.190895	0.111485	0.018156	0.005234	0.022193	0.041963	0.002079	0.002948	0.005586	0.000300	0.000779

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

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	181.6269	181.6269	8.2100e-003	1.7000e-003	182.3386
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	374.1695	374.1695	0.0169	3.5000e-003	375.6356
NaturalGas Mitigated	0.0206	0.1871	0.1571	1.1200e-003		0.0142	0.0142		0.0142	0.0142	0.0000	203.6468	203.6468	3.9000e-003	3.7300e-003	204.8570
NaturalGas Unmitigated	0.0214	0.1941	0.1630	1.1600e-003		0.0148	0.0148		0.0148	0.0148	0.0000	211.2750	211.2750	4.0500e-003	3.8700e-003	212.5305

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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					
Manufacturing	3.95914e+006	0.0214	0.1941	0.1630	1.1600e-003		0.0148	0.0148		0.0148	0.0148	0.0000	211.2750	211.2750	4.0500e-003	3.8700e-003	212.5305
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0214	0.1941	0.1630	1.1600e-003		0.0148	0.0148		0.0148	0.0148	0.0000	211.2750	211.2750	4.0500e-003	3.8700e-003	212.5305

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					
Manufacturing	3.8162e+006	0.0206	0.1871	0.1571	1.1200e-003		0.0142	0.0142		0.0142	0.0142	0.0000	203.6468	203.6468	3.9000e-003	3.7300e-003	204.8570
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0206	0.1871	0.1571	1.1200e-003		0.0142	0.0142		0.0142	0.0142	0.0000	203.6468	203.6468	3.9000e-003	3.7300e-003	204.8570

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Manufacturing	1.22777e+006	357.1709	0.0162	3.3400e-003	358.5704
Parking Lot	58432	16.9985	7.7000e-004	1.6000e-004	17.0651
Total		374.1695	0.0169	3.5000e-003	375.6356

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Manufacturing	596582	173.5526	7.8500e-003	1.6200e-003	174.2326
Parking Lot	27755.2	8.0743	3.7000e-004	8.0000e-005	8.1059
Total		181.6269	8.2200e-003	1.7000e-003	182.3386

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive 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	0.7118	3.0000e-005	3.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8200e-003	5.8200e-003	2.0000e-005	0.0000	6.2100e-003
Unmitigated	0.7118	3.0000e-005	3.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8200e-003	5.8200e-003	2.0000e-005	0.0000	6.2100e-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	tons/yr										MT/yr					
Architectural Coating	0.0845					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6270					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.9000e-004	3.0000e-005	3.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8200e-003	5.8200e-003	2.0000e-005	0.0000	6.2100e-003
Total	0.7118	3.0000e-005	3.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8200e-003	5.8200e-003	2.0000e-005	0.0000	6.2100e-003

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0845					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6270					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.9000e-004	3.0000e-005	3.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8200e-003	5.8200e-003	2.0000e-005	0.0000	6.2100e-003
Total	0.7118	3.0000e-005	3.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8200e-003	5.8200e-003	2.0000e-005	0.0000	6.2100e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Alvarado Commerce Center Project - Alameda County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	11.0271	0.0521	4.3800e-003	13.6355
Unmitigated	11.0271	0.0521	4.3800e-003	13.6355

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Manufacturing	5.58706 / 0.25116	11.0271	0.0521	4.3800e-003	13.6355
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		11.0271	0.0521	4.3800e-003	13.6355

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Manufacturing	5.58706 / 0.25116	11.0271	0.0521	4.3800e-003	13.6355
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		11.0271	0.0521	4.3800e-003	13.6355

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	20.0677	1.1860	0.0000	49.7168
Unmitigated	40.1354	2.3719	0.0000	99.4337

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Manufacturing	197.72	40.1354	2.3719	0.0000	99.4337
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		40.1354	2.3719	0.0000	99.4337

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Manufacturing	98.86	20.0677	1.1860	0.0000	49.7168
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		20.0677	1.1860	0.0000	49.7168

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

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

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Alvarado Commerce Center Project - Alameda County, Annual

Greenhouse Gas Emission Worksheet
N2O Mobile Emissions

Alvarado Commerce Center

From URBEMIS 2007 Vehicle Fleet Mix Output:

Annual VMT: 1,689,823

Vehicle Type	Percent Type	CH4 Emission Factor (g/mile)*	CH4 Emission (g/mile)**	N2O Emission Factor (g/mile)*	N2O Emission (g/mile)**
Light Auto	0.556416	0.04	0.0222566	0.04	0.022257
Light Truck < 3750 lbs	0.041967	0.05	0.0020984	0.06	0.002518
Light Truck 3751-5750 lbs	0.190895	0.05	0.0095448	0.06	0.011454
Med Truck 5751-8500 lbs	0.111485	0.12	0.0133782	0.2	0.022297
Lite-Heavy Truck 8501-10,000 lbs	0.018156	0.12	0.0021787	0.2	0.003631
Lite-Heavy Truck 10,001-14,000 lbs	0.005234	0.09	0.0004711	0.125	0.000654
Med-Heavy Truck 14,001-33,000 lbs	0.022193	0.06	0.0013316	0.05	0.00111
Heavy-Heavy Truck 33,001-60,000 lbs	0.041963	0.06	0.0025178	0.05	0.002098
Other Bus	0.002079	0.06	0.0001247	0.05	0.000104
Urban Bus	0.002948	0.06	0.0001769	0.05	0.000147
Motorcycle	0.005586	0.09	0.0005027	0.01	5.59E-05
School Bus	0.0003	0.06	0.000018	0.05	0.000015
Motor Home	0.000779	0.09	7.011E-05	0.125	9.74E-05
Total	100.0%		0.0546696		0.066438

Total Emissions (metric tons) =

Emission Factor by Vehicle Mix (g/mi) x Annual VMT(mi) x 0.000001 metric tons/g

Conversion to Carbon Dioxide Equivalency (CO2e) Units based on Global Warming Potential (GWP)

CH4 21 GWP
 N2O 310 GWP
 1 ton (short, US) = 0.90718474 metric ton

Annual Mobile Emissions:

	Total Emissions	Total CO2e units
N2O Emissions:	0.1123 metric tons N2O	34.80 metric tons CO2e
	Project Total: 34.80 metric tons CO2e	

References

- * from Table C.4: Methane and Nitrous Oxide Emission Factors for Mobile Sources by Vehicle and Fuel Type (g/mile). in California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009. Assume Model year 2000-present, gasoline fueled.
- ** Source: California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.
- *** From URBEMIS 2007 results for mobile sources

Greenhouse Gas Emission Worksheet
N2O Mobile Emissions

Alvarado Commerce Center - Mitigated Emissions

From URBEMIS 2007 Vehicle Fleet Mix Output:

Annual VMT: 1,563,404

Vehicle Type	Percent Type	CH4 Emission Factor (g/mile)*	CH4 Emission (g/mile)**	N2O Emission Factor (g/mile)*	N2O Emission (g/mile)**
Light Auto	0.556416	0.04	0.0222566	0.04	0.022257
Light Truck < 3750 lbs	0.041967	0.05	0.0020984	0.06	0.002518
Light Truck 3751-5750 lbs	0.190895	0.05	0.0095448	0.06	0.011454
Med Truck 5751-8500 lbs	0.111485	0.12	0.0133782	0.2	0.022297
Lite-Heavy Truck 8501-10,000 lbs	0.018156	0.12	0.0021787	0.2	0.003631
Lite-Heavy Truck 10,001-14,000 lbs	0.005234	0.09	0.0004711	0.125	0.000654
Med-Heavy Truck 14,001-33,000 lbs	0.022193	0.06	0.0013316	0.05	0.00111
Heavy-Heavy Truck 33,001-60,000 lbs	0.041963	0.06	0.0025178	0.05	0.002098
Other Bus	0.002079	0.06	0.0001247	0.05	0.000104
Urban Bus	0.002948	0.06	0.0001769	0.05	0.000147
Motorcycle	0.005586	0.09	0.0005027	0.01	5.59E-05
School Bus	0.0003	0.06	0.000018	0.05	0.000015
Motor Home	0.000779	0.09	7.011E-05	0.125	9.74E-05
Total	100.0%		0.0546696		0.066438

Total Emissions (metric tons) =

Emission Factor by Vehicle Mix (g/mi) x Annual VMT(mi) x 0.000001 metric tons/g

Conversion to Carbon Dioxide Equivalency (CO2e) Units based on Global Warming Potential (GWP)

CH4 21 GWP
 N2O 310 GWP
 1 ton (short, US) = 0.90718474 metric ton

Annual Mobile Emissions:

	Total Emissions	Total CO2e units
N2O Emissions:	0.1039 metric tons N2O	32.20 metric tons CO2e
	Project Total: 32.20 metric tons CO2e	

References

- * from Table C.4: Methane and Nitrous Oxide Emission Factors for Mobile Sources by Vehicle and Fuel Type (g/mile). in California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009. Assume Model year 2000-present, gasoline fueled.
- ** Source: California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.
- *** From URBEMIS 2007 results for mobile sources

Appendix C

Phase I and Limited Phase II Environmental Site Assessment



PHASE I ENVIRONMENTAL SITE ASSESSMENT and LIMITED PHASE II INVESTIGATION- FINAL

2576 Alvarado Street- San
Leandro, California

September 29, 2016

PHASE I ENVIRONMENTAL SITE ASSESSMENT AND LIMITED PHASE II INVESTIGATION- FINAL

2756 Alvarado Street – San Leandro, CA

September 29, 2016

Client

Dividend Capital: IPT | DPF
518 17th Street, Suite 1700
Denver, CO 80202

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Figure 2 – Site Layout

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Table 1 – Soil Gas Sampling Results

Appendices

Appendix A – Key Definitions from ASTM E 1527-13

Appendix B – Statement of Qualifications

Appendix C – Site Photographs

Appendix D – Environmental Database Report

Appendix E – Historical Information

Appendix F – Electronic Communication from the Department of Toxic Substances Control

Appendix G - Laboratory Report

Executive Summary

WSP | Parsons Brinckerhoff (WSP) conducted a Phase I environmental site assessment and limited Phase II investigation of the property located at 2756 Alvarado Street in San Leandro, Alameda County, California (subject property, facility, or site) at the request of IPT San Leandro DC LP. The Phase I environmental site assessment was conducted in accordance with the U.S. Environmental Protection Agency Standards and Practices for All Appropriate Inquiries as required under Section 101(35)(B) of the Comprehensive Environmental Response, Compensation, and Liability Act and referenced in Title 40 Code of Federal Regulations, Part 312; the ASTM International Standard E 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-13); and WSP's proposal to Dividend Capital for the work, dated June 13, 2016.

The goal of this Phase I environmental site assessment was to identify recognized environmental conditions in connection with the subject property based on a records review, the site visit, and interviews. Key definitions from ASTM E 1527-13 that serve as the basis for WSP's findings are included in Appendix A.

The subject property is comprised of 6.9 acres of land and includes a 133,994 square foot, multi-tenant, high-bay warehouse building. Other key features of the subject property include three outdoor storage yards, paved and unpaved areas used for parking and retail storage, a loading dock and an abandoned railroad spur along the south end of the subject property. The subject property is leased to a total of 6 entities primarily used for storing bulk retail items for distribution including furniture, Oriental vases, light fixtures, wood cabinets, and home improvement materials. Other tenants of the subject property include warehouse storage of racking systems for a retail store, a sign design and manufacture operation, storage yard space for the adjacent recycling facility, and storage yard space for a building engineer. Operations conducted on the subject property include shipping, receiving and warehouse storage of bulk retail goods, cutting and assembly of wood cabinets and commercial signs, outdoor storage of retail goods, equipment and recycling bins, and administrative offices. The subject property is owned by Noel Yi and was originally constructed in 1957.

WSP did not identify any known, suspect or controlled recognized environmental conditions in connection with the subject property. Additionally, WSP did not identify any de minimis conditions on the subject property.

WSP identified the following historical recognized environmental condition in connection with the subject property:

- Soil and groundwater at the subject property indicated the presence of total petroleum hydrocarbons, volatile organic compounds (VOCs) and semi-volatile organic compounds. Soil and groundwater investigations and remedial activities performed at the subject property pursuant to an Order issued by the Department of Toxic Substances Control (DTSC) in 1996 to the former operators and current property owner resulted in the removal and reduction of hazardous constituents at the subject property with the DTSC subsequently concluding that soil contamination at the site was sufficiently addressed. Additionally, DTSC noted that a review of historical data did not confirm a significant release at the subject property and that VOCs migrating onto the subject property were from upgradient sources associated with a regional groundwater plume. In May 2006, DTSC notified the parties under the 1996 Order that their obligations under the Order were terminated and that the existing on-site monitoring wells would need to remain in order to provide DTSC with access to monitor groundwater conditions associated with the regional groundwater plume. Subsequent electronic communication with the DTSC dated September 20, 2016, confirmed that the Order had been terminated for the subject property.

Based on the documented groundwater contamination near the subject property as a result of the DWA plume, WSP recommended soil gas sampling to evaluate the potential vapor migration risks associated with the DWA Groundwater Plume in central San Leandro that extends beneath the subject property.

Analytical results from the soil gas sampling event conducted on September 19, 2016, indicated VOCs were detected all five soil gas probes above laboratory reporting limits. However, all soil gas sample results were below the commercial/industrial California Human Health Screening Levels (CHHSLs) and Environmental Screening Levels (ESLs) for soil gas vapors below building slab or sub-slab. With the exception of PCE results in three soil gas probes, all soil gas sample results were below the residential CHHSLs and ESLs. Based on the above findings

and opinion, WSP does not recommend any further investigations at this time. However, as requested by DTSC, further discussion regarding the status of the existing groundwater monitoring wells should be conducted in the near future. Additionally, based on the soil gas sample analytical results, the potential vapor intrusion is very low and WSP does not recommend any type of soil vapor mitigation measures for the subject building at this time.

1 Introduction

1.1 General

WSP conducted a Phase I environmental site assessment and limited Phase II investigation of the property located at 2756 Alvarado Street in San Leandro, Alameda County (subject property, facility, or site) at the request of IPT San Leandro DC LP. The Phase I environmental site assessment was conducted in accordance with the U.S. Environmental Protection Agency (EPA) Standards and Practices for All Appropriate Inquiries (AAI) as required under Section 101(35)(B) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) as specified in Title 40 Code of Federal Regulations (CFR), Part 312; the ASTM International Standard E 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-13); and WSP | Parsons Brinckerhoff's proposal to Dividend Capital for the work, dated June 13, 2016.

The goal of this Phase I environmental site assessment was to identify recognized environmental conditions in connection with the subject property based on a records review, the site visit, and interviews. Key definitions from ASTM E 1527-13 that serve as the basis for WSP's findings are included in Appendix A.

The assessment is based on a visit to the site by Betsy Mitton, general manager of WSP, an Environmental Professional and Stephanie Lee, environmental scientist of WSP. Mrs. Mitton's resume is included in Appendix B. Mrs. Mitton and Ms. Lee were assisted on the site visit by Dan Bergen, real estate agent with Colliers International and a representative of the property owner. The following work was conducted during completion of the environmental assessment:

- A site visit at the subject property was conducted on June 24, 2016. The site visit included a large portion of the subject property including furniture showrooms, warehouse storage areas, cabinet manufacturing, sign design and manufacturing areas and outdoor storage and parking areas.
- The following area of the subject property were inaccessible during the site visit due to locked doors and gates and inability to contact occupants: Oriental Vase and Furniture Company interior and exterior areas, storage yard for the recycling facility, and the storage yard for the building engineer. Where possible, visual inspection of these areas were conducted through windows and chain-linked fencing.
- Photographs of the site were taken to document conditions during the site visit and to highlight potential environmental concerns. The photographs are presented in Appendix C.
- WSP's confidential Phase I environmental site assessment questionnaire was completed with the assistance of Mr. Bergen, representative of the owner. Mr. Bergen has been familiar with the subject property for over 10 years.
- WSP interviewed several current tenants and employees of the building to determine hazardous materials use and storage onsite.
 - WSP was unable to contact previous site owners. The significance of this data gap is discussed in Section 5.
 - Ms. Sara Butz, Vice President of Real Estate at Dividend Capital, the "user" of this Phase I environmental site assessment to obtain information relevant to identifying the possibility of a recognized environmental condition in connection with the subject property.
- WSP retained Environmental Data Resources, Inc. (EDR), to conduct a database search of the site and properties within AAI- and ASTM-specified search radii to identify releases or threatened releases and to help assess the likelihood of problems from migrating hazardous substances or petroleum products. The search (including the approximate minimum search distances) was conducted in accordance with the standards

established by Section 101(35)(B) of CERCLA, 40 CFR 312.26, and ASTM E 1527-13. The results of the database search are presented in Appendix D.

- WSP also retained EDR to conduct a search for historical records pertaining to the subject property. The records search produced the following results:
 - Aerial photographs dated 2012, 2010, 2009, 2005, 1998, 1993, and 1982. (Appendix E)
 - Sanborn fire insurance maps were not available for the property. (Appendix E)
 - Historical topographic maps from 2012, 1996, 1980, 1973, 1968, 1959, 1950, 1948, 1947, 1915, 1899. (Appendix E)
 - City directories from 1920 to 2013. (Appendix E)
- WSP reviewed property information available on the City of San Leandro Property Viewer database.
- WSP submitted Freedom of Information Act (FOIA) requests to obtain files from the following agencies:
 - San Leandro Fire Department: No response received to date.
 - Alameda County Department of Environmental Health, the Certified Unified Program Agency: No records identified.
 - California Department of Toxic Substances Control (DTSC): Files available for subject property on DTSC's Envirostor database. DTSC also referred to files available on the SWRCB Geotracker database. Information reviewed on these databases are included throughout this report.
 - Alameda County Agricultural/Weights & Measures Department: No records identified.
 - California Air Resources Board: No files identified.
- A search of engineering and institutional controls on the use of the property, including deed restrictions, was included as part of the regulatory database search performed by EDR. Databases searched included: Land Use Control Information System (LUCIS), Engineering Controls Sites List (US ENG CONTROLS), and Sites with Institutional Controls (US INST CONTROLS).
- WSP reviewed the following previous environmental reports and letters:
 - Preliminary Environmental Assessment Report of United States Can Company prepared by Subsurface Consultants, Inc., dated May 30, 1989.
 - Letter Notification to the SWRCB-San Francisco Bay Region of Soil and Groundwater Contamination at 2576 Alvarado Street, San Leandro, CA prepared by Thelen, Marrin, Johnson & Bridges Attorneys at Law, dated June 21, 1989.
 - Imminent and Substantial Endangerment Determination and Remedial Action Order (Order) issued by DTSC, dated April 29, 1996.
 - Final Site Characterization Report for 2756 Alvarado Street, San Leandro, California, prepared by McLaren/Hart, Inc., dated October 28, 1997.
 - Soil and Groundwater Data Evaluation Report, U.S. Can Company Site, prepared by Jayantha Randeni of DTSC, dated May 2006.
 - No Further Action Letter, U.S. Can Company Site, 2756 Alvarado Street, San Leandro, California, prepared by DTSC, dated May 31, 2006.
 - Groundwater Monitoring Report, DWA Plume, San Leandro, California, prepared by the Source Group Inc., dated May 11, 2015.

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- Soil Vapor Sampling Report, DWA Plume, San Leandro, California, prepared by the Source Group, Inc., dated May 11, 2015.

- A chain of title was not provided for the subject property.

This Phase I environmental site assessment was conducted in accordance with ASTM E 1527-13. Biological agents, cultural and historic resources, ecological resources, endangered species, health and safety, indoor air quality (except as related to a potential release of a hazardous substance or petroleum product), industrial hygiene, lead in drinking water, mold, regulatory compliance, and wetlands are non-scope considerations under Section 13.1.5 of ASTM E 1527-13 and were not included in WSP | Parsons Brinckerhoff's Phase I environmental site assessment process.

1.2 Disclaimer

Client acknowledges and agrees that this report was prepared solely on its behalf and functions solely as a Phase I environmental site assessment. By accepting this report Client acknowledges and agrees that it may in part rely upon sources, either written or oral, that WSP considers reliable but which are not guaranteed or independently verified by WSP.

Where Client is required to disseminate this report, either by law or in connection with Client's business activities, to any other party to whom this report is not addressed (the "Third Party"), Client agrees to notify the Third Party of the terms of this disclaimer who in turn shall be bound by such terms. Any Third Party wishing to rely on the information and opinions contained herein does so at its own risk in absence of a written letter of reliance provided by WSP | Parsons Brinckerhoff.

1.3 Term of Report Viability

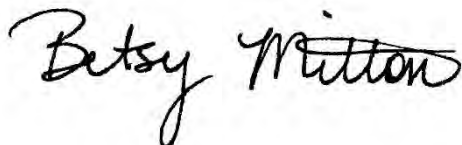
In accordance with ASTM E 1527-13 and AAI, this report is presumed to be valid for a period of up to 180 days before the date of a future property transaction by the intended user. In addition, this report may be used for a period of up to one year before the date of a future property transaction by the intended user, provided that the following components are conducted or updated within 180 days of the date of purchase or the date of the intended transaction:

- interviews with owners, operators, and occupants;
- searches for recorded environmental cleanup liens;
- reviews of federal, tribal, state, and local government records;
- visual reviews of the property and adjoining properties;
- declaration of the environmental professional responsible for the assessment or update.

1.4 Environmental Professional Declaration

This report was prepared under the supervision of Betsy Mitton, General Manager of WSP. Mrs. Mitton's resume is included in Appendix B.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR Part 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

A handwritten signature in black ink that reads "Betsy Mitton". The signature is written in a cursive style with a horizontal line underneath the name.

Betsy Mitton, General Manager, CPEA

2 Subject Property

2.1 General Description

The subject property is located at 2756 Alvarado Street in San Leandro, Alameda County, California. (Figure 1). According to the City of San Leandro Zoning Map, the subject property is zoned IG for industrial use.

The subject property is owned by Noel Yi and Mei Ling Yi. A general description of the subject property is summarized in the table below and presented in Figure 2:

Item	Description
Property Size	6.9 acres
General Property Use	<i>Multi-tenant, high-bay warehouse; outdoor storage areas</i>
Number of Buildings	<i>Three adjoined warehouse buildings containing six leased warehouse spaces</i>
Number of Stories	1
Construction Date	1957
Major Renovation/Addition Date and Type	<i>Two warehouse additions to the east – 1963 Tenant Improvements – 1998</i>
Building Square Footage	<i>133,994 square feet (Alameda County Assessor, 2012)</i>
Type of Foundation	<i>Concrete slab on grade</i>
Basement	No
Heating, Ventilation, and Air Conditioning (HVAC)	<i>Natural gas space heaters in tenant spaces, as necessary</i>
Other site details	<i>Team loading dock on the southwest side of the building; landscape areas; asphalt-paved parking areas; outdoor retail storage areas; outdoor storage yards; former rail spur</i>

Key features of the subject property include the following:

- multi-tenant warehouse building
- outdoor storage areas and leased storage yards
- shipping and receiving dock
- paved parking
- former rail spur along the south side of the property

2.2 Environmental Setting

According to the U.S. Geological Survey San Leandro quadrangle (7.5-minute series) map, the ground elevation of the subject property is approximately 42 feet above mean sea level. The site is located at the crest of a shallow ridge with land on the majority of the property sloping to the south-southwest toward San Francisco Bay.

No surface water bodies are present on the subject property. The nearest water body, Lake Chabot, is approximately 2.4 miles northeast of the site. According to the Soil and Groundwater Evaluation Report (DTSC, 2006), shallow stream channels are present beneath the subject property and two distinct groundwater units are encountered at 15 to 20 feet below ground surface (bgs) and 25 to 40 feet bgs. Groundwater flow direction is reported to the south in both zones.

The U.S. Department of Agriculture Soil Conservation Service indicates that the soils at the subject property are classified as Urban Land. The soils texture is identified as clay. Subsurface soils consist of fine-grained silts and clays.

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map, the facility is not located within a 100-year flood plain. Additionally, WSP reviewed wetlands information for the site using the U.S. Fish and Wildlife Service's (USFWS) online National Wetland Inventory Mapper. According to the USFWS database, wetlands are not present on the subject property.

2.3 Past Uses

According to previous assessment reports and the 1996 DTSC Order, the subject property was originally developed by Sherwin Williams in 1957 on vacant, undeveloped land. The aerial photographs, historical topographic maps, and city directories reviewed from 1899 to 2012 confirm that the subject property was undeveloped land until the subject building was constructed in 1957.

Sherwin Williams operated as a metal can manufacturing facility from 1957 until 1983, when the facility was sold to U.S. Can Company who continued to operate as a metal can manufacturing facility. Previous operations conducted by Sherwin Williams and U.S. Can Company included lithographing, solvent cleaning, painting, assembly, lead soldering, drum mixing and storage. In 1989, U.S. Can Company discontinued can manufacturing operations onsite; however, U.S. Can Company continued to utilize the building for warehouse operations until the property was purchased in 1994 by the Yi's. From 1994 to present, the subject property has been used by various tenants primarily for warehouse and storage activities.

WSP identified the presence of contamination on the property resulting from past use to be a recognized environmental condition.

2.4 Previous Environmental Reports

The following previous environmental reports were reviewed by WSP and are summarized below:

- Preliminary Environmental Assessment Report of United States Can Company prepared by Subsurface Consultants, Inc., dated May 30, 1989.
- Letter Notification to the SWRCB-San Francisco Bay Region of Soil and Groundwater Contamination at 2576 Alvarado Street, San Leandro, CA prepared by Thelen, Marrin, Johnson & Bridges Attorneys at Law, dated June 21, 1989.
- Imminent and Substantial Endangerment Determination and Remedial Action Order (Order) issued by DTSC, dated April 29, 1996.
- Final Site Characterization Report for 2756 Alvarado Street, San Leandro, California, prepared by McLaren/Hart, Inc., dated October 28, 1997.

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- Soil and Groundwater Data Evaluation Report, U.S. Can Company Site, prepared by Jayantha Randeni of DTSC, dated May 2006.
 - No Further Action Letter, U.S. Can Company Site, 2756 Alvarado Street, San Leandro, California, prepared by DTSC, dated May 31, 2006.
 - Groundwater Monitoring Report, DWA Plume, San Leandro, California, prepared by the Source Group Inc.(SGI), dated May 11, 2015.
 - Soil Vapor Sampling Report, DWA Plume, San Leandro, California, prepared by the Source Group, Inc. (SGI), dated May 11, 2015.

The 1989 Preliminary Assessment Report (Subsurface Consultants, Inc., 1989) identified several areas at the subject property that warranted further investigation. These areas included loading docks, indoor and outdoor drum storage areas, an incinerator, parking areas, vacant land used for material storage, and areas near interior floor drains. Subsurface Consultants, Inc. installed four groundwater monitoring wells on the property and collected soil from 14 borings that was analyzed for total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). Analytical results indicated TPH was detected in onsite soils above regulatory limits. Additionally, VOCs and SVOCs were detected in soil and groundwater at the subject property. Subsurface Consultants, Inc. recommended additional soil and groundwater investigations to fully characterize the extent of contamination at the site.

Following the 1989 report, the law firm Thelen, Marrin, Johnson & Bridges submitted a Letter Notification to the SWRCB-San Francisco Bay Region regarding the identified soil and groundwater contamination at the subject property. The letter indicated that U.S. Can Company was prepared to cooperate with the SWRCB regarding additional investigations.

A soil gas survey was conducted at the subject property in November 1989 (referenced in DTSC's Soil and Groundwater Evaluation Report, 2006). Results of the survey indicated the high concentrations of VOCs was near a sump and exit drain line at the subject property. In December 1990, remedial action was conducted at the subject property which included removal of 20 cubic yards of contaminated soil from the drain line and sump. The sump was removed and the drain line was decommissioned by capping. Confirmation soil samples were collected from the excavated areas and no further removal and investigation was required.

As part of the regional DWA Plume investigation, DTSC conducted several rounds of hydropunch sampling onsite in 1993 and 1995. Analytical results indicated that trichloroethene (TCE) and tetrachloroethylene (PCE) were detected in soil and groundwater at the site.

On April 29, 1996, DTSC issued Imminent and Substantial Endangerment Determination and Remedial Action Order (Order) naming U.S. Can Company, Sherwin-Williams Company and Mr. and Mrs. Noel Yi as responsible parties related to known soil and groundwater contamination at the site. The Order stated that DTSC determined there were releases at the subject property, including TPH, VOCs and SVOCs, that could pose a threat to human health and the environment. The Order stated that removal or remedial action was necessary at the subject property.

In response to the 1996 Order, additional soil and groundwater investigations at the subject property were conducted in 1997 by McLaren/Hart, Inc. (McClaren/Hart, Inc., 1997). Activities performed onsite included collection of soil and groundwater from the vicinity of the former floor drain; installation of monitoring wells in both zones of groundwater beneath the subject property; and collection of additional groundwater samples from the north property line to understand the potential impact of groundwater from upgradient sources. All samples collected were analyzed for TPH, VOCs, and SVOCs. Results of the investigations indicated the following:

- Soils in the vicinity of the floor drain were not impacted by site operations;
- First and second zone groundwater flow is to the south;
- The original design of one of the groundwater monitoring wells incorporated a hydraulic communication between the two zones resulting in cross-contamination;

- There are no demonstrated sources to groundwater at the subject property;
- Concentrations of VOCs observed in groundwater beneath the subject property is from upgradient sources.

Based on the data presented in the investigation, U.S. Can Company requested no additional investigations be required and that the facility would be granted closure.

From 2002 to 2004, DTSC conducted hydrogen release compound injections as part of the DPW Plume remediation (DTSC, 2006). As part of the pilot study, monitoring wells onsite were sampled and indicated TCE was significantly reduced in the wells onsite.

In 2006, DTSC prepared a Soil and Groundwater Evaluation Report for the subject property (DTSC, 2006). The report summarized previous investigations onsite and in the vicinity of the site as part of the regional plume investigation and remediation. DTSC concluded that soil contamination at the site was sufficiently addressed and since the site was paved, the risk of surface water being contaminated was low. Additionally, DTSC noted that a review of historical data did not confirm a significant release at the subject property. DTSC noted that VOCs migrating onto the subject property were from upgradient sources. Furthermore, in a letter dated May 31, 2006, DTSC notified the parties under the 1996 Order that no further actions were required at the subject property and that their obligations under the Order were terminated. DTSC also stated that the existing on-site monitoring wells would need to remain in order to provide DTSC with access to monitor groundwater conditions associated with the regional groundwater plume. Subsequent electronic communication with the DTSC dated September 20, 2016, confirmed that the Order had been terminated for the subject property and that DTSC would need to enter into an agreement with the new property owner to provide DTSC with access to some of the existing on-site wells to monitor groundwater conditions associated with the regional groundwater plume. The electronic message from DTSC is presented in Appendix F.

The groundwater and soil gas sampling reports, dated May 11, 2015 (SGI, 2015), presented the results of sampling conducted for the DWA Plume in San Leandro. Four of the six groundwater monitoring wells were located on the subject property and sampled in 2014 (MW-2, MW-5, MW-6 and MW-7). Analytical results indicated TCE was detected above 1,000 micrograms per liter in MW-2 and MW-6 and a natural attenuation trend was noted for these monitoring wells. SGI did not provide further recommendations for these wells.

The soil gas sampling report (SGI, 2015) indicated one soil gas probe was installed at the intersection of Aladdin Avenue and Alvarado Boulevard (SV-AA-01). The probe was sampled in late 2014 and analytical results indicated PCE was detected above laboratory reporting limits. TCE and vinyl chloride were not detected. Based on the analytical results, SGI did not recommend additional soil gas sampling of the probe near the subject property.

According to the SWRCB-San Francisco Bay Region Geotracker database, the case is listed as Open-Inactive with no case worker identified and no remediation activities planned.

WSP identified the previous soil and groundwater contamination at the subject property as a historical recognized environmental condition based on the case closure status for the subject property and the terminated Order.

2.5 Current Operations and Conditions

The subject property is used for retail, general warehousing, and outdoor storage activities. The table below summarizes the current leased spaces and operations conducted onsite:

Building Name (Fig. 2 Designation)	Approx. Size (sq. ft.)	Current Operations
Spaces A&B Oriental Vase and Furniture Company	40,000 indoors;	Indoor and outdoor retail storage and sales of Oriental furniture and vases.

Building Name (Fig. 2 Designation)	Approx. Size (sq. ft.)	Current Operations
	15,000 outdoors	
Space W-A Mr. Plastics	24,000	Cutting plastics for commercial sign manufacturing and assembly.
Space W-B Amazon Affiliate	24,000	Receiving and shipping full pallets of equipment and storage rack systems.
Space C World Class Furniture Store	21,500	Retail furniture showroom and sales with minor assembly.
Lighting/Electronics Group	13,077	Shipping, receiving and warehouse storage of commercial light fixture imports from China
H&L Supply	10,000	Cutting pressed boards for cabinets; assembly and warehouse storage, sales
Storage Yard A Building Engineer storage	24,000	Storage of construction equipment including portable welding and construction equipment, tool storage sheds, portable generators, and company vehicles.
Storage Yard B Alameda County Environmental Recycling	15,000	Storage of empty recycling bins for residential homes and roll-off dumpsters for commercial use.

2.5.1 Raw Materials Handling and Storage Practices

Former Operations

Previous chemicals used and stored by Sherwin Williams and U.S. Can Company included lead compounds, chromium compounds, paints, alcohols and ketones including isopropanol and methyl ethyl ketone, formaldehyde, butanol, isophorene, melamine, methyl chloride, 1,1,1-trichloroethane (TCA), xylene, ethylbenzene, tetrachloroethylene (PCE) and petroleum hydrocarbons. According to the Order (DTSC, 1996), it was reported that prior to the 1970s, these chemicals were previously disposed to the ground surface of the subject property. Additional information regarding previous investigations onsite is presented in Section 2.4-Previous Environmental Reports.

Current Operations

Materials stored at the subject property by various tenants throughout their leased spaces include the following: wood for cabinet manufacturing; retail furniture; plastic sheeting for commercial signs, granite slabs for home improvements, paper and cardboard boxes and small quantities of gases including oxygen and carbon dioxide.

One tenant, Mr. Plastics, maintained one flammable materials storage cabinet that contained several 1 gallon containers of hazardous materials including tetrahydrofuran, methyl ethyl ketone, sulfuric acid, acetic acid, acrylics

and latex paint. The containers appeared to be in good condition and there was no evidence of leaks or spills adjacent to the cabinet.

No staining, significant cracked concrete, floor drains, or other evidence of product migration outside the building into soil or groundwater was observed.

As discussed in the Section 2.4, the previous hazardous materials use and known releases at the subject property is considered a historical recognized environmental condition because the subject property received case closure from the DTSC regarding these previous releases.

2.5.2 Solid and Hazardous Waste

Sherwin Williams and the U.S. Can Company are listed on the EDR database report as previously operating as a Resource Conservation and Recovery Act (RCRA) large quantity (LQG) and small quantity generator of hazardous waste (SQG) and previously maintained an EPA identification number (CAD009133117). Previous hazardous wastes disposed offsite included asbestos, and polychlorinated biphenyls (PCBs). As previously discussed, it is reported that hazardous wastes generated onsite prior to 1970 were disposed on the unpaved areas of the subject property.

The current property owner, Noel Yi, is listed on the hazardous waste manifest network (Haznet) database as obtaining a temporary California EPA identification number (CAC000964944) for a shipment of asbestos in 1994. No other hazardous waste identification numbers or shipments are reported for the subject property. According to Mr. Bergen, no know hazardous wastes are currently generated by any of the tenants at the subject property.

Solid wastes currently generated onsite include scrap wood and wood shavings, scrap plastic and plastic shavings, cardboard, paper, wood crates and various concrete and wood home improvement materials, and general office trash.

No onsite pits, waste ponds, or lagoons were observed onsite.

The former rail spur has been removed from the south side of the subject property. At the time of the site visit, the area appeared to be gravel and vegetated land. Facility personnel were unaware of any fill material brought in during removal of the rails.

As discussed in the Section 2.4, the previous hazardous waste management practices at the subject property is considered a historical recognized environmental condition because the subject property received closure from the DTSC regarding the previous releases onsite.

2.5.3 Underground and Aboveground Tanks

Based on interviews of facility personnel and a review of historical records, no underground storage tanks (USTs) have ever been present at the subject property. Additionally, WSP did not observe evidence of USTs (such as fill or vent piping) or aboveground storage tanks (ASTs) during the site visit. Based on a review of state and federal databases, no USTs have ever been registered at the subject property.

WSP did not identify any recognized environmental conditions based on a review of the facility's USTs or ASTs.

2.5.4 Water, Wastewater, and Storm Water

The facility obtains its water from the city of San Leandro public water supply. No water supply wells are located on the subject property. The facility discharges sanitary wastewater to the city of San Leandro publicly owned treatment works (POTW). WSP did not observe any process wastewater discharges at the subject property. According to facility personnel and historical records, no septic systems or cesspools have ever been present onsite and none were observed.

No floor drains or sumps were observed in the areas inspected by WSP. However, according to previous environmental reports (DTSC 2006), a sump was removed and a drain line was capped at the subject building during a removal action initiated by the RWQCB in 1991. At the time of the 1991 removal activities, approximately 20 cubic yards of VOC-contaminated soil was removed and confirmation soil samples were collected to ensure the source of contamination was fully remediated. Additionally, the drain line to the sump was capped. No other sumps were reported at the facility.

Storm water at the site flows from a flat roof to a system of drainage pipes located along the perimeter of the building. From the drainage pipes, storm water is conveyed to the paved parking lot and is discharged to storm water drains located throughout the parking area and eventually discharged to Aladdin Avenue and Alvarado Street. The following materials are stored outdoors at the subject property: covered dumpsters; Oriental pottery and home décor; home improvement materials (countertops, cabinets, roofing materials); wood crates and cardboard boxes; equipment and materials used by the building engineer tenant; empty residential recycle bins and roll off dumpsters stored by Alameda County Industries (ACI). No evidence of stains or stressed vegetation was observed outdoors during WSP limited site reconnaissance.

The previous contamination associated with the sump and drain line is considered a historical recognized environmental condition because the facility has received case closure from DTSC regarding past releases onsite.

2.5.5 Air Emissions

Fugitive air emissions are generated from wood cutting activities for cabinet manufacturing; plastic sign cutting and cleaning activities; shipping and receiving; and general purpose cleaners and lubricants used onsite.

The building is heated with natural gas. Reportedly, the building does not have a cooling system in place.

WSP did not identify any recognized environmental conditions based on a review of the facility's air emission sources.

2.5.6 Polychlorinated Biphenyls

The EPA requires facilities to presume that any mineral oil filled equipment manufactured before July 2, 1979, contains PCBs, unless testing or other information demonstrates otherwise. Based on the age of the subject building (constructed in 1957), there is a potential that onsite electrical and hydraulic equipment contains PCBs.

Electricity is supplied to the facility by Pacific Gas & Electric. One pad-mounted transformer is located on the north side of the subject building. Additionally, pole mounted transformers are located along Alvarado Street. No leaks or stains were observed in the vicinity of the transformers. Because no leaks or stains were observed in the vicinity of the transformer, the transformers are unlikely to be an environmental concern. Facility personnel reported that none of the equipment used onsite (fork lifts and pallet jacks) utilizes hydraulic fluid containing PCBs. Sherwin Williams is listed on the EDR report as having disposed of PCB-containing materials in 1994, likely PCB-containing ballasts and capacitors. Facility personnel also advised that they are unaware of any PCB-containing materials currently present at the site.

WSP did not identify any recognized environmental conditions with respect to PCBs at the subject property.

2.5.7 Asbestos

WSP was requested to determine if any readily observable building materials have the potential to contain asbestos. WSP was not contracted to perform a comprehensive asbestos survey or testing of materials for asbestos content. During the course of the site visit, WSP observed floor tiles and other sheet flooring, which are building materials that may contain asbestos. In addition, the subject building was constructed in 1957 when asbestos-containing material (ACM) was used in building materials.

The Occupational Safety and Health Administration (OSHA) requires facilities to presume that any surfacing material and thermal system insulation in buildings constructed before December 31, 1980, contain asbestos, unless testing or other information demonstrates otherwise. Additionally, any vinyl flooring installed before December 31, 1980 must be presumed to contain asbestos unless testing or other information demonstrates otherwise. Based on WSP's observations, it appears that the building materials present would be considered presumed ACM.

WSP recommends the property owner conduct a comprehensive asbestos survey to identify ACM at the facility, or presume the suspect materials contain asbestos and manage the materials in place using an operations and maintenance (O&M) plan.

2.5.8 Lead-Based Paint

In 1978, the U.S. Consumer Product Safety Commission lowered the permissible levels of lead contained in paints and prohibited application of lead-based paint on housing constructed or rehabilitated with federal assistance. Paint manufacturers complied by lowering or eliminating lead content from paint products, specifically those sold for residential use. Based on the industrial and commercial use of the property, and age of the subject building (constructed in 1957), lead-based paint may present. Accessible painted surfaces were generally observed to be in good condition (not peeling) at the time of the site visit. The presence of lead-based paint can only be confirmed through testing of the painted surface. Before conducting any renovation or demolition activities that might disturb painted surfaces, the property owner should ensure that it complies with all applicable requirements concerning the identification and management of lead-based paint.

2.5.9 Radon

The EPA Radon Zone for Alameda County, California is 2, indicating that radon concentrations are typically between 2 and 4 picoCuries per liter (pCi/L) and are generally less than the 4 pCi/L EPA recommended action level for human exposure.

3 Adjoining Properties

3.1 Present Uses

Based on interviews with facility personnel, a review of available city directories, and a visual “drive-by” review, the current uses of properties adjoining the subject property are summarized below:

Direction	Operator Name	Address	Property Use
North	San Leandro Door Company	2690 Alvarado Street	Door Supplier
North	Transcon Lines; storage yard	601 Aladdin Avenue and 661 Aladdin Avenue	Freight shipping facility; miscellaneous outdoor storage
South	Georgia Pacific	2800 Alvarado Street	Paper Product Manufacturer
East	Alameda County Industries (ACI)	610 Aladdin Avenue	Recycling Services
West	George Oren Tires and Services; Douglas Electronics, Inc.	2823 Alvarado Street; 2777 Alvarado Street	Tire shop; electronic parts supplier

The regulatory database report identifies adjoining properties to the north (601 Aladdin Avenue), south (2800 Alvarado Street), east (610 Aladdin Avenue), and west (2711 Alvarado Street, 2777 Alvarado Street, and 2823 Alvarado Street) of the subject property as having spills, releases, landfill activities or as historical auto stations. Additional information regarding these facilities is provided in Section 4.2 – Regulatory Database Search.

3.2 Past Uses

Aerial photographs from 1939 and 1946 shows the surrounding sites to the north, east and west as vacant, undeveloped land. Residential properties were constructed south of the subject property between 1985 and 1997.

The previous environmental report (Subsurface Consultants, Inc. 1989) did not indicate any environmental concerns at adjoining properties. According to the Soil and Groundwater Evaluation Report (DTSC, 2006), groundwater in the vicinity of, and beneath, the subject property is contaminated with VOCs from the DWA Plume. Based on WSP’s review there is no evidence indicating an existing release or a material threat of a release of any hazardous substances or petroleum products into structures on the subject property or onto the ground, groundwater or surface water of the subject property from historical uses at adjoining properties as described in Section 4.2-Regulatory Database Search.

Further details on past use of adjoining properties are provided in Section 4.1 – Historical Records.

WSP did not identify any recognized environmental conditions with respect to past uses of adjoining properties.

4 Records Review/User Provided Information

4.1 Historical Records

4.1.1 Sanborn Fire Insurance Maps

WSP retained EDR to conduct a search for historical maps, including Sanborn fire insurance maps, for the subject property. EDR certified that there is no Sanborn fire insurance map coverage for the subject property (Appendix E).

4.1.2 Aerial Photographs

WSP reviewed aerial photographs taken in 1939, 1946, 1958, 1968, 1974, 1982, 1993, 1998, 2005, 2009, 2010 and 2012 (Appendix E). Significant changes in the use of the subject property and adjoining properties are summarized below:

Photograph	Subject Property	Adjoining Properties
1939, 1946 Scale 1" = 500'	The subject property is vacant, undeveloped land.	The neighboring properties to the north, south, east and west are also in vacant, undeveloped land.
1958 Scale 1" = 500'	The subject property is developed with two warehouse buildings. A rail spur is visible along the south side of the property.	The neighboring properties to the east and west are vacant, undeveloped land. The neighboring properties to the north, northeast and south are developed with commercial buildings.
1968, 1974, 1982 Scale 1"=500'	The subject property is developed with the current large warehouse building. Paved parking appears on the north and west sides of the building. Outdoor storage areas, including a former drum storage area, is visible on the north side of the building. The area to the east is vacant, undeveloped land.	The neighboring properties are further developed with commercial buildings. The building to the south has expanded in size and to the west, the area is developed with three large commercial buildings.
1993 Scale 1" = 500'	The subject building appears unchanged from the 1982 photograph. The outdoor storage area on the north side of the building appears to be vacant. The area to the east remains vacant, undeveloped land.	The surrounding properties appear unchanged from the 1982 photograph.
1998 Scale 1" = 500'	The subject building appears to be divided into several tenant spaces with additional loading docks on the north side of the building. The paved parking lot on the west side of the building has been re-configured to the layout WSP observed at the time of the site visit.	The adjacent property to the east is developed with a large commercial building. The remaining surrounding properties appear unchanged from the 1993 photograph.
2005, 2009, 2010 and 2012 Scale 1" = 500'	The subject property and improvements appear to be in the same general configuration as observed during WSP's recent site visit.	The neighboring properties appear to be in the same general configuration as observed during WSP's recent site visit.

The aerial photograph review identified the outdoor drum storage area as a suspect land contaminating activity. As such, the area was investigated during previous soil and groundwater sampling events.

4.1.3 Topographic Maps

WSP reviewed historical topographic maps for the subject property and the surrounding area prepared in 1899, 1900, 1947, 1948, 1950, 1959, 1968, 1973, 1980, 1996 and 2012 (Appendix E). Significant changes in the use of the subject property and adjoining properties are summarized below:

Topographic Map	Subject Property	Adjoining Property
1899, 1900 Scale 1:62,500	The subject property is undeveloped land.	Adjoining properties to the north, south, east, and west are undeveloped.
1947, 1948, 1950 Scale 1: 24,000	The subject property is undeveloped land.	Adjoining properties to the north, south, east, and west are undeveloped.
1959 Scale 1:24,000	The subject property is developed with two commercial buildings. A rail spur is visible on the south side of the property.	Adjoining properties to the east and west are undeveloped. Adjoining properties to the north and south are developed with commercial buildings.
1968, 1973, 1980 Scale 1:24,000	The subject building is further developed with an additional warehouse and construction indicates the buildings are connected.	The commercial building to the south has been further developed. The adjoining property to the west has been developed with three commercial buildings. The remaining adjoining properties appear unchanged from the 1959 map.
1996 and 2012 Scale 1:24,000	No buildings are included on these topographic maps.	No buildings are included on these topographic maps.

The historical topographic map review did not identify any evidence of suspect land contaminating activities, such as landfills or bulk fuel storage tank farms, in the immediate vicinity of the subject property.

4.1.4 City Directories

City directories from 1959 to 2013 were reviewed (Appendix E). The subject property was listed on the city directory searches from 1959, 1962, 1965, 1970, 1986, 1991, 1996, 2000, 2002, 2008, and 2013. The city directory findings are summarized in the table below:

City Directory Year	Location	Description
1959, 1962, 1965, 1970	Subject Property	Sherwin Williams Company
1986, 1991	Subject Property	United States Can Co., United States Cold Storage
1996, 2000, 2002, 2008, 2013	Subject Property	Oriental Vase & Furniture; World Class Furniture; Great Wall Chinese Antique Furniture; Inter-Pak Services; Trans Freight Express; Grand Tile & Cabinet; Mr. Plastics; Quality Green Building Supplies
1970, 1980, 1982, 1986, 1991, 1992, 1996, 2008	601 Aladdin Avenue (neighboring property to the north)	Transcon Lines; Bestway; Conway Western Express; Bay Area-Los Angeles Express; Emery Worldwide; Saint Frances Electric
2002	661 Aladdin Avenue (neighboring property to the north)	Robert Spinardi
1955, 1962, 1965	2690 Alvarado Street (neighboring property to the north)	Pillar Furniture Co.

1970, 1975, 1980, 1986, 1991, 1992	2690 Alvarado Street (neighboring property to the north)	Alta California Distributing Co., Celanese Plastic Co., Harrison Marine Service Center
1996, 2000	2690 Alvarado Street (neighboring property to the north)	Agribag, Inc., Paul Dayton Corp., San Leandro Door Co.
1955, 1959, 1962, 1965, 1970, 1980, 1986, 1991, 1992, 1996, 2000, 2008	2800 Alvarado Street (neighboring property to the south)	Western Corrugated Inc., Western Kraft Paper Group, Willamette Industries, Georgia Pacific Corp.
1965, 1975, 1970, 1975, 1980, 1982, 1986	2777 Alvarado Street (neighboring property to the west)	Alto Sales Co., Besco, Lindsey & Co., Citation Builders
1992, 1996, 2000, 2002, 2008, 2013	2777 Alvarado Street (neighboring property to the west)	Murdoch Engineering, Douglas Electronics, Printed Solutions, World Discount Travel, Reliant Nursing Solutions, Law Offices, Clear Vision Window & Door
1975, 1980, 1982, 1986, 1991, 1992, 1996, 2000, 2002, 2008, 2013	2823 Alvarado Street (neighboring property to the west)	Oren George Tire Specialists

4.2 Regulatory Database Search

WSP retained Environmental Data Resources, Inc. (EDR), to conduct a database search of the site and properties within AAI- and ASTM-specified search radii to identify releases or threatened releases and to help assess the likelihood of problems from migrating hazardous substances or petroleum products. The search (including the approximate minimum search distances) was conducted in accordance with the standards established by Section 101(35)(B) of CERCLA, 40 CFR 312.26, and ASTM E 1527-13. The results of the database search are presented in Appendix D.

The subject property was listed on the following regulatory databases search by EDR:

U.S. Can Company:

- Historical Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA)/TSCA (Toxic Substances Control Act) database known as Hist FTTS: The subject property is identified on the database for historical Emergency Planning and Community Right-to-Know submittals. Violations identified for late submittals.
- RCRA-SQG database: Hazardous waste generator with EPA identification number CAD009133117. No penalties or violations listed.
- California Spills, Leaks, Investigations and Cleanups (CA SLIC) and Spills 90 databases: Open Inactive case as of June 10, 2016, as listed on Envirostor database. Database refers to Geotracker database for TCA, DCE and PCE contaminated groundwater beneath the site.
- California Hazardous Waste Manifest tracking system (CA Haznet) database: Shipments of hazardous waste from the subject property. No penalties or violations identified.
- California Response, California Envirostor and Historical Cal Sites databases: No Further Action status for previous releases onsite and closure of Order issued by DTSC in 2006.
- Air Emissions Inventory (EMI) database: Air emissions data listed for 1987. No violations identified

Sherwin Williams Co.

- CA Haznet: EPA identification number CAD009133117 for shipments of asbestos and PCBs. No violations identified.

Noel Yi

- CA Haznet: EPA identification number CAC000964944 for shipments of asbestos in 1994. No violations identified.

US Marshals Service

- CA Haznet: EPA identification number CAP000035543 for shipments of inorganic liquids in 1998. No violations identified.

Federal and state databases also were searched to determine the potential for the site to be affected by releases from neighboring properties. The sites that have the greatest potential to have caused environmental contamination are those that have had releases or spills of hazardous substances or petroleum products located upgradient or in close proximity to the facility. The direction of localized groundwater flow at the subject property is to the south. Therefore, the sites that are of the greatest potential concern are those that have had releases or spills of hazardous substances or petroleum products and are north (upgradient) or in close proximity to the subject property.

Eighty-two sites within a 1-mile radius of the subject property are listed on the databases searched by EDR. The regulatory database report identifies six adjoining properties surrounding the subject property as listed on databases as having spills, releases, landfill activities or as historical auto stations. Four of the remaining 76 sites are located upgradient of the subject property. Two of the four sites have not reported any releases or spills of hazardous substances or petroleum products and therefore do not likely pose an environmental concern to the subject property. The eight sites are summarized below. Additionally, a regional groundwater plume known as the DPW Plume is located east of the subject property and also discussed below.

The adjoining property to the north, 601 Aladdin Avenue, is listed on the California Historical UST, CA Response, CA Envirostor, solid waste landfill site (SWF/LF), California leaking UST (CA LUST), California Statewide Environmental Evaluation and Planning system listing of USTs (CA SWEEPS UST), California Facility Index System (FID) listing of USTs, and Historical Cortese databases for releases of PCE and TCE to soils from maintenance activities, and a release of diesel to soil from a leaking UST. Both cases have been granted closure by the agency, therefore, this site does not likely pose an environmental concern to the subject property.

The adjoining property to the south, 2800 Alvarado Street, is listed on the CA SWEEPS UST, CA FID UST, California wastewater discharge system (CA WDS), AST, EMI, LUST, Hist Cortese and the California National Pollutant Discharge Elimination System (NPDES). The facility is listed as having a release of diesel from a UST, which was granted case closure by the agency in 1997. Based on the closed status of the release and the fact that the remaining database listings do not indicate a release to soil or groundwater, this site does not likely pose an environmental concern to the subject property.

The adjoining property to the east, 610 Aladdin Avenue, is listed on the SWF/LF, California Haulers and NPDES databases as a recycling facility that accepts and sorts recyclable materials. This site is not listed on any databases as having a spill or release and does not likely pose an environmental concern to the subject property.

The adjoining property to the west, 2711 Alvarado Street, is listed on the LUST, Hist Cortese and Alameda County Contaminated Sites databases for a waste oil from a leaking UST. The case was granted closure in 1995; therefore this site does not likely pose an environmental concern to the subject property.

The adjoining properties to the west, 2777 Alvarado Street and 2823 Alvarado Street, are listed on the Historical Auto Station database. No other information is provided and the sites are not listed on any databases as having a release.

One upgradient property, Oliver Wire & Plating Company, located approximately 0.15 miles north of the subject property is listed on the RCRA-SQG, CA SLIC, FINDS and EPA's Environmental Compliance Online History (ECHO) databases. According to the EDR report, a release of metals including chromium, copper, nickel and zinc were released to soils at the site. The case was referred to the SWRCB and has been inactive since 2009. Based

on the distance of the site to the subject property and the media affected (soil), this site is unlikely to pose an environmental concern to the subject property.

The DPW Plume, located in central San Leandro and identified on the EDR report as approximately 0.46 miles east of the subject property is listed on the CA Response, CA Envirostor, Cortese and CA Historical Cal-Sites databases. The groundwater plume is a state-funded site and managed by DTSC. Contamination is estimated to be approximately 1 mile wide and 2 miles long. Contaminants of concern are reportedly PCT, TCE, dichloroethylene and related compounds. DTSC has conducted in-situ pilot studies and continues to treat the groundwater. As previously discussed in Section 2.4-Previous Environmental Reports, this plume has impacted groundwater beneath the subject property.

One additional upgradient property, Yokota Nursery, located 0.4 miles north of the subject property is listed on the Envirostor, Voluntary Cleanup Program (VCP) and CA Haznet databases. According to the EDR report, the facility entered into the VCP to remediate pesticides found in soils in 2002. No other information was provided. Based on the distance of this site to the subject property and the media affected (soil), this site is unlikely to pose an environmental concern to the subject property.

Four sites within a 1-mile radius of the subject property were identified as “orphan sites” in the EDR database report. These sites are identified as unmappable sites due to imprecise or limited address information (e.g., an incomplete street address or a P.O. box). Therefore, it is difficult to determine the potential for activities at these sites to have affected the subject site. Based on the facilities’ database address information, WSP was able to determine that these sites are all over 1 mile from the subject property and based on their distance, are unlikely to pose an environmental concern.

4.3 Regulatory Agency File Reviews

4.3.1 Subject Property

The subject property was identified on several databases and WSP reviewed file information available from the SWRCB Geotracker online database and DTSC’s Envirostor database. Information reviewed by WSP is included throughout the report and summarized in Section 2.3-Past Uses and 2.4-Previous Environmental Reports.

4.3.2 Adjoining Properties

As noted in Section 4.1 – Regulatory Database Search, the following adjoining properties were identified on regulatory databases searched by EDR:

Property Location	Property Address	Regulatory Database Listings	Status	Agency File and Records Review
North	601 Aladdin Avenue	LUST, SWEEPS UST, Envirostor, Response	Closed LUST case	Geotracker and Envirostor databases reviewed online.
South	2800 Alvarado Street	LUST, Hist Cortese, NPDES	Closed LUST case.	Information reviewed on Geotracker and Envirostor online database.

Property Location	Property Address	Regulatory Database Listings	Status	Agency File and Records Review
East	610 Aladdin Avenue	SWF/LF, Haulers, NPDES	Operating recycling sorting and processing facility. No releases or violations identified.	Information reviewed on Geotracker online database.
South	2711 Alvarado Street	Alameda County CS, LUST, Hist Cortese	Closed LUST case	Information reviewed on Geotracker online database.
South	2777 Alvarado Street	EDR Hist Auto Station	Identified as Fordez Auto. No other information provided	Information reviewed on Geotracker online database.
South	2823 Alvarado Street	EDR Hist Auto Station	Listed as Oren George Tire Specialists. No other information provided.	Information reviewed on Geotracker online database.

4.4 Environmental Cleanup Liens/Activity and Use Limitations

A search of engineering and institutional controls on the use of the property, including deed restrictions, was included in the regulatory database search conducted by EDR. The results of the search indicated that no current engineering or institutional controls exist for the property.

4.5 Review of Local Records

WSP reviewed the Alameda County Assessor's online database for property information. WSP also reviewed the SWRCB Geotracker online database and DTSC's Envirostor online database, which identifies pollution sites in the vicinity of the subject property. Pollution sites identified for the surrounding properties are discussed in Section 4.2-Regulatory Database Search.

WSP contacted the Alameda County Department of Health, Environmental Health Division, and the Alameda County Agricultural/Weights & Measures Department to determine whether any hazardous substances incidents have been reported for the subject property. A response from the agencies indicated no records were found for the subject property.

No "commonly known" information was identified during the local records review.

4.6 User-Provided Information

WSP interviewed Ms. Sara Butz regarding the following:

- Environmental clean-up liens that are filed or recorded against the site – Ms. Butz indicated she was not aware of any environmental clean-up liens.

-
- Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry – Ms. Butz was not aware of any activity or land use limitations.
 - Specialized knowledge or experience – Ms. Butz indicated that IPT Acquisitions LLC has no specialized knowledge or experience related to the subject property or nearby properties.
 - Relationship of the purchase price to the fair market value of the property – Ms. Butz indicated that the purchase price being paid for the property reasonably reflects the fair market value of the property.
 - Commonly known or reasonably ascertainable information about the property – Ms. Butz indicated that there was no commonly known or reasonably ascertainable information about the property.
 - The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation – Ms. Butz indicated that they were not aware of the presence of contamination, other than what is identified in prior environmental reports.

5 Data Gaps

WSP identified the following data gap during the Phase I environmental assessment:

- WSP was unable to interview any previous property owners or occupants of the subject property; however, sufficient information was available through other sources to determine historical operations that were conducted at the subject property. Therefore, this data gap does not affect WPS's ability to identify recognized environmental conditions at the subject property.

6 Limited Phase II Investigation

On September 19, 2016, WSP installed five temporary soil gas probes around the perimeter of the building (SGP-1 through SGP-5) in the approximate locations shown in Figure 3. Samples from each probe analyzed for VOCs using EPA Method TO-15. A description of the limited Phase II activities is provided below.

6.1 Soil Gas Sampling

Soil gas probes consisting of a 1/4 inch Teflon tubing fitted with a one to six inch intake filter was lowered into the borehole and installed at approximately 5 feet below ground surface (bgs). Filter sand was used to fill the boring from 5 to 4 feet bgs. The remaining portion of the borehole was sealed with bentonite granules from 4 feet bgs to ground surface. The granules placed immediately above the sand layer were dry, and then hydrated on the way up to ground surface.

Soil gas samples were collected from the probes by connecting the Teflon tubing to a T-fitting where one end was connected to a 6 liter purge canister equipped with a 167 milliliters per minute (ml/min) flow regulator and the other end to the one-liter sample canister also fitted with a 167 ml/min flow regulator. Each of the soil gas probes was purged of approximately three probe volumes in order to purge the probe of any stagnant air before collecting the sample. The volume of the probe included the probe tip [i.e., sand pack interval (2.2 inch diameter by 12 inches long) around the probe intake (assuming a 30% pore volume)] plus the length of sample tubing of approximately 10 ml.

Leak testing was implemented by placing paper towels saturated with a leak check compound (i.e., 2-propanol) at each connection point in the sample train between the Summa canister and the probe. The intent of the leak check compound is to enhance the integrity of the soil gas sample by demonstrating that minimal or no ambient air breakthrough occurred during sampling (Cal EPA, 2012). The presence of 2-propanol in the sample, as indicated by the sample analysis, would indicate that breakthrough occurred. This breakthrough condition did occur and is further discussed in the Soil Gas Results section below.

The sampling was performed by first opening the 6-liter purge canister; the 1-liter sample canister remained closed. After the area around the probe was purged, the 6-liter purge canister was closed and the 1-liter sample canister was opened. The sample canister was left open until the vacuum ceased to drop any further or until it reached approximately 3 inches of mercury (inches Hg). Sample collection times were approximately 10 minutes at each location.

After sampling, the soil gas probes were abandoned by removing the sample tubing and capping the surface with asphalt.

6.2 Laboratory Analysis and Screening Levels

Soil gas samples were taken to the McCampbell Analytical laboratory in Pittsburgh, California under standard Chain of Custody (COC) procedures. Soil gas samples were analyzed for VOCs by method TO-15. Laboratory results for soil gas were compared to the 2010 Residential California Human Health Screening Levels (CHHSLs) for Volatile Chemicals below Buildings Constructed with Engineered Fill below Sub-slab Gravel published by the California Office of Human Health and the Environment (September 2010), and the Environmental Screening Levels (ESLs) for Subslab/Soil Gas Vapor Intrusion at Human Health Risk Levels for Residential and Commercial/Industrial properties published by the San Francisco Regional Water Quality Control Board (February 2016). Laboratory data is provided in Appendix G.

6.3 Soil Gas Results

In all five soil gas probe samples, VOCs, including PCE and TCE, were detected above laboratory reporting limits. However, all soil gas sample results were below the commercial/industrial CHHSLs and ESLs. With the exception of PCE results in three soil gas probes, all soil gas sample results were below the residential CHHSLs and ESLs.

Analytical results in soil gas probe, SGP-3, indicated PCE was at the CHHSL for residential properties while PCE was detected above the residential ESL. PCE was detected in SGP-2 and SGP-4 above the residential ESL; however, PCE was detected below the CHHSL in these two soil gas samples. A summary of relevant compounds detected during the soil gas analysis and their equivalent CHHSLs and ESLs are shown in Table 1. Sample locations are depicted on Figure 3.

The leak check compound 2-propanol was detected at elevated levels in SGP-1 and SGP-4 that were greater than 10 times the reporting limit of the target analyte as recommended in Cal EPA's 2012 Advisory. As previously noted, this compound is used for leak detection and indicates there was a leak in the sampling apparatus and dilution of the sample with ambient air likely occurred. Despite the apparent leak in two soil gas samples, the analytical results in these two samples are generally consistent with the analytical results in the other three soil gas samples. Therefore, the leakage is not considered to be significant and the analytical results are considered appropriate for purposes of confirming the potential vapor intrusion is very low.

Based on the soil gas sample results, WSP does not recommend any type of soil vapor mitigation measures for the subject building at this time.

7 Conclusions

7.1 Findings and Opinion

WSP conducted a Phase I environmental site assessment and limited Phase II investigation of the facility located at 2756 Alvarado Street in San Leandro, Alameda County, California. This assessment was conducted in accordance with the EPA Standards and Practices for AAI; ASTM E 1527-13; and WSP's proposal to Dividend Capital Group: IPT | DPF dated June 13, 2016. Any exceptions to, or deletions from, ASTM E 1527-13 are described in Sections 1.1 and 5 of this report and in WSP's proposal.

7.1.1 Known or Suspect Recognized Environmental Conditions

WSP did not identify any known or suspect recognized environmental conditions in connection with the subject property.

7.1.2 Controlled Recognized Environmental Conditions

WSP did not identify any controlled recognized environmental conditions in connection with the subject property.

7.1.3 Historical Recognized Environmental Conditions

WSP identified the following historical recognized environmental condition in connection with the subject property:

- Soil and groundwater at the subject property indicated the presence of total petroleum hydrocarbons, volatile organic compounds (VOCs) and semi-volatile organic compounds. Soil and groundwater investigations and remedial activities performed at the subject property pursuant to an Order issued by the Department of Toxic Substances Control (DTSC) in 1996 to the former operators and current property owner resulted in the removal and reduction of hazardous constituents at the subject property with the DTSC subsequently concluding that soil contamination at the site was sufficiently addressed. Additionally, DTSC noted that a review of historical data did not confirm a significant release at the subject property and that VOCs migrating onto the subject property were from upgradient sources associated with a regional groundwater plume. In May 2006, DTSC notified the parties under the 1996 Order that their obligations under the Order were terminated and that the existing on-site monitoring wells would need to remain in order to provide DTSC with access to monitor groundwater conditions associated with the regional groundwater plume. Subsequent electronic communication with the DTSC dated September 20, 2016, confirmed that the Order had been terminated for the subject property.

7.1.4 De minimis Conditions

WSP did not identify any de minimis conditions at the subject property.

7.2 Recommendations

Based on the above findings and opinion, WSP does not recommend any further investigations at this time. However, as requested by DTSC, further discussion regarding the status of the existing groundwater monitoring wells should be conducted in the near future. Based on the soil gas sample results, VOCs were detected all five soil gas probe samples. However, all soil gas sample results were below the commercial/industrial CHHSLs and ESLs. With the exception of PCE results in three soil gas probes, all soil gas sample results were below the

residential CHHSLs and ESLs. Based on the soil gas sample analytical results, the potential vapor intrusion is very low and WSP does not recommend any type of soil vapor mitigation measures for the subject building at this time.

8 References

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- Thelen, Marrin, Johnson & Bridges Attorneys at Law. 1989. Letter Notification to the SWRCB-San Francisco Bay Region of Soil and Groundwater Contamination at 2576 Alvarado Street, San Leandro, CA. June 21.
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9 Acronym List

AAI	all appropriate inquiries
ACM	asbestos-containing material
AST	Aboveground Storage Tank
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Act Information System database
CESQG	conditionally exempt small quantity generator
CHHSL	California Human Health Screening Level
CFR	Code of Federal Regulations
DENR	Department of Environmental and Natural Resources
EDR	Environmental Data Resources, Inc.
EPA	U.S. Environmental Protection Agency
IMD	incident management database
LUST	leaking underground storage tank database
LUST TRUST	leaking underground storage tank trust database
O&M	operations and maintenance
OSHA	Occupational Safety and Health Administration
PACM	presumed asbestos-containing material
PCBs	polychlorinated biphenyls
PCE	tetrachloroethene
ppm	parts per million
SARA	Superfund Amendments and Reauthorization Act
SIC	standard industrial classification
SPCC	spill prevention, control, and countermeasure
TCE	Trichloroethene
UST	Underground Storage Tank
TSCA	Toxic Substances Control Act
USFWS	U. S. Fish and Wildlife Service

Figures

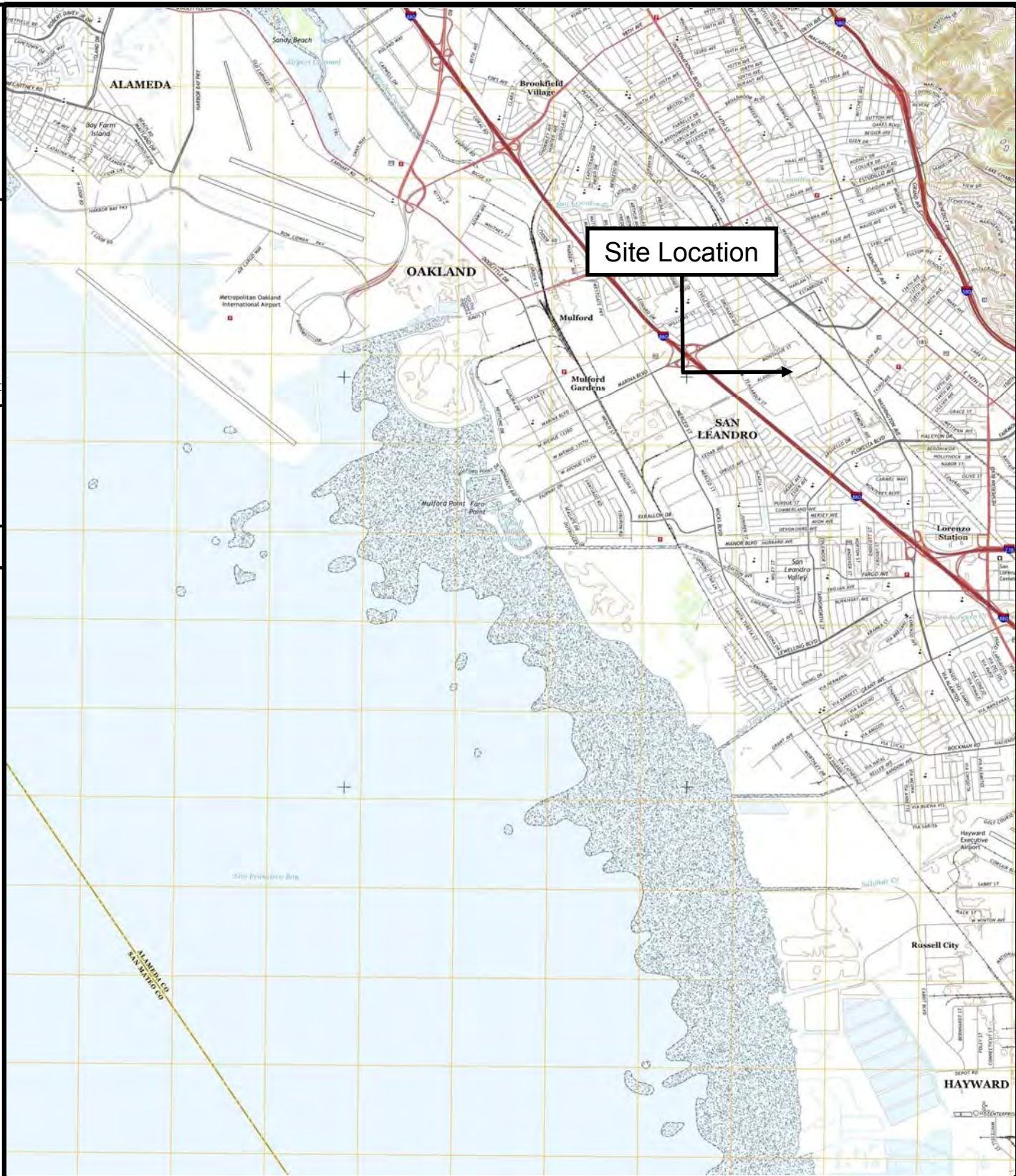
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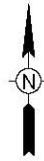
Approved:

Drawn By:

A



REFERENCE:
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 SAN LEANDRO, CALIFORNIA
 PHOTOREVISED 2015 SCALE 1:24,000



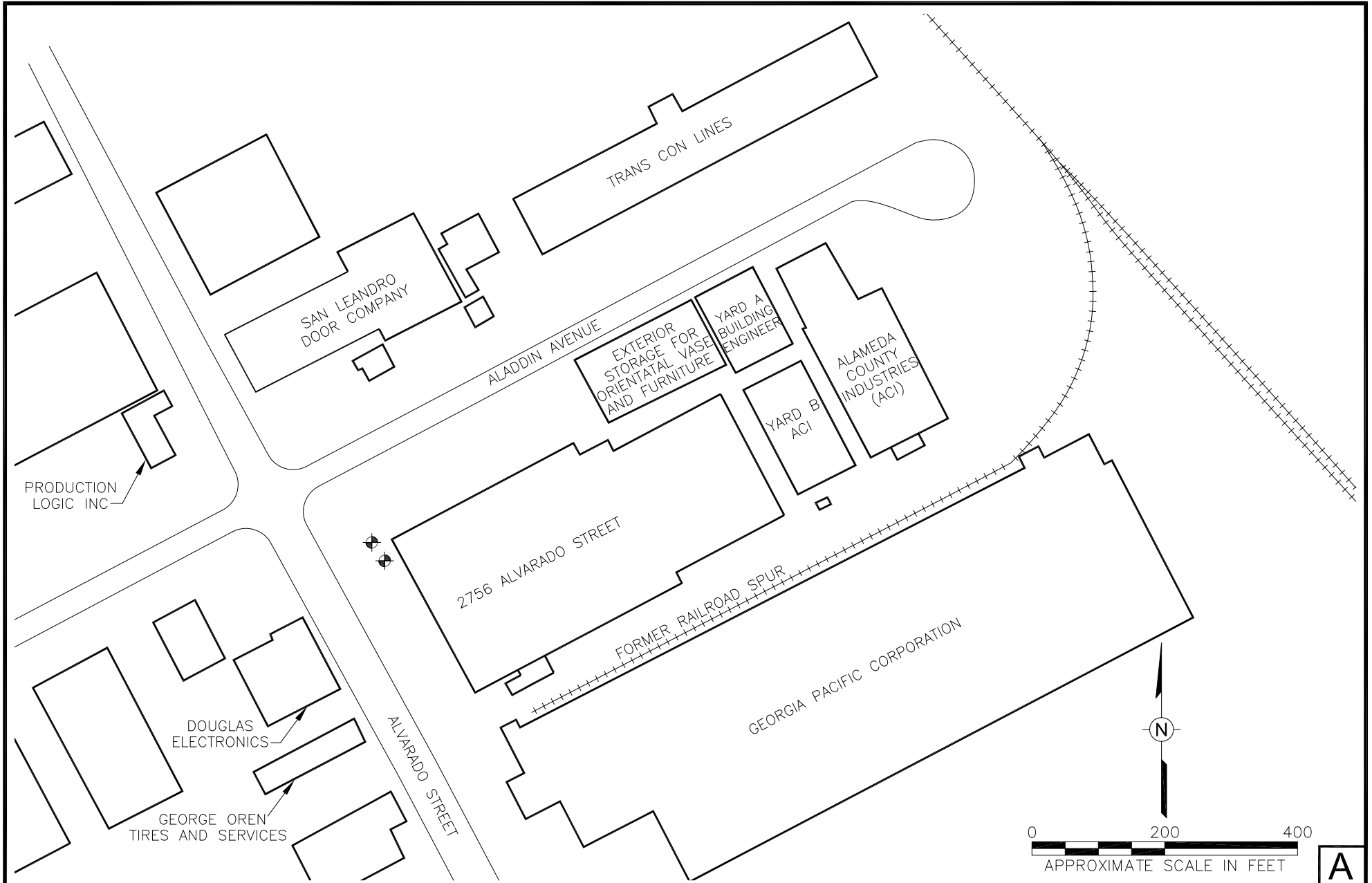
WSP USA Corp.
 2025 Gateway Place, Suite 435
 San Jose, California 95110
 (408) 453-6100

FIGURE 1

SITE LOCATION MAP

IPT/SAN LEANDRO PHASE I ESA
 SAN LEANDRO, CALIFORNIA

PREPARED FOR
 DIVIDEND CAPITAL GROUP: IPT | DPF
 DENVER, COLORADO



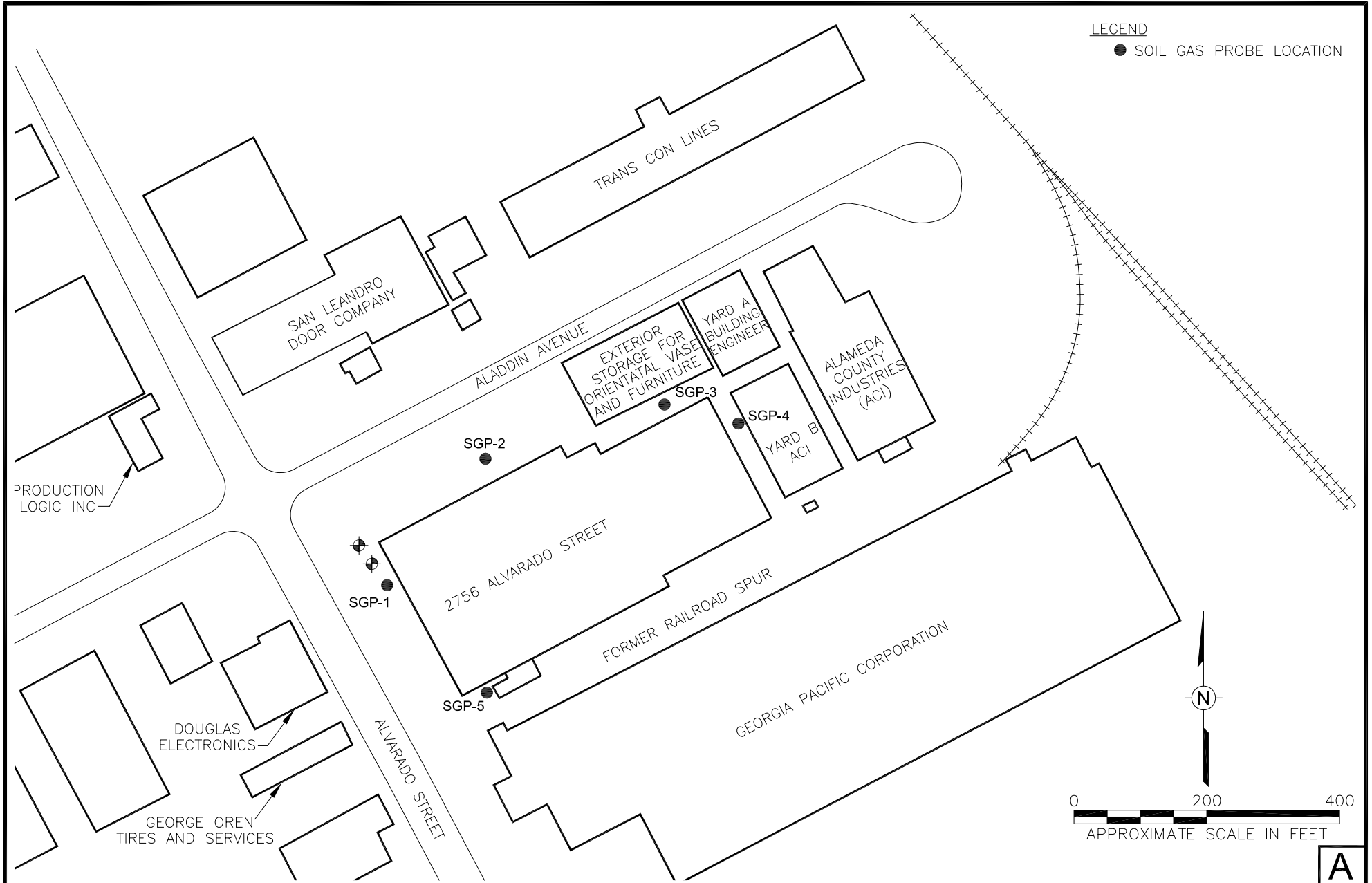
WSP | **PARSONS BRINCKERHOFF**
 WSP Services, Inc.
 2025 Gateway Place, Suite 348
 San Jose, California 95110
 (408) 453-6100
 www.wspgroup.com/usa

Figure 2
 SITE LAYOUT

IPT/SAN LEANDRO PHASE I ESA
 SAN LEANDRO, CALIFORNIA
 PREPARED FOR
 DIVIDEND CAPITAL GROUP:IPT/DPF
 DENVER, COLORADO

Drawn By:	LS	7/12/2016
Checked:		
Approved:		
DWG Name:314M00251-003		

A



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Table

Table 1
Selected Compounds Reported in Soil Gas Probe Samples
2756 Alvarado Street, San Leandro, CA
September 19, 2016

Compound (ug/L) ¹	SGP-1	SGP-2	SGP-3	SGP-4	SGP-5	CHHSL Residential Sub-Slab	CHHSL Commercial /Industrial Sub-slab
Tetrachloroethene	0.0036	0.3	0.47	0.25	0.059	0.47	1.6
Trichloroethene	0.00055	0.03	0.00099	0.00087	0.00092	1.3	4.4
Vinyl Chloride	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.028	0.095
2-Propanol (Leak Check Compound)	73 ²	0.14	0.011	24 ²	0.29	N/A	N/A

1/ results in microgram per liter (lab reported results in micrograms per meter cubed (µg/m3))

2/ Elevated 2-Propanol concentration indicates that some sample dilution occurred.

All probes installed to a depth of 5 feet below grade.

Compound (ug/m ³)	SGP-1	SGP-2	SGP-3	SGP-4	SGP-5	Commercial Vapor ESLs for Human Health	Residential Vapor ESLs for Human
Tetrachloroethene	3.6	300	470	250	59	2,100	240
Trichloroethene	0.55	30	0.99	0.87	0.92	3,000	240
Vinyl Chloride	<1.3	<1.3	<1.3	<1.3	<1.3	160	4.7
2-Propanol (Leak Check Compound)	73 ²	0.14	0.011	24 ²	0.29	N/A	N/A

2/ Elevated 2-Propanol concentration indicates that some sample dilution occurred.

All probes installed to a depth of 5 feet below grade.

Appendix A – Key Definitions from ASTM E 1527-13

Key Definitions from ASTM E 1527-13
Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process

As stated in ASTM E 1527-13, the goal of the Phase I site assessment process is to identify recognized environmental conditions. A recognized environmental condition means:

... the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

In addition, WSP used the following definitions from ASTM E 1527-13 to identify certain findings for this Phase I site assessment:

Controlled Recognized Environmental Condition – a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

Historical Recognized Environmental Condition – a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

De minimis Condition – a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

Appendix B – Statement of Qualifications

BETSY MITTON, CPEA

SENIOR PROJECT DIRECTOR
GENERAL MANAGER-SAN JOSE, CA



YEARS WITH FIRM

17

YEARS TOTAL

18

AREAS OF PRACTICE

Environmental
Compliance

Environmental Due
Diligence

Environmental
Management Systems

RCRA Facility
Investigation Support

LANGUAGES

English

PROFILE

Betsy Mitton has over 16 years of experience conducted environmental site assessments and multi-media compliance audits for clients in the United States and Canada as part of mergers and acquisitions, due diligence, real estate transactions, or corporate environmental management. Ms. Mitton has conducted site assessments and compliance reviews of a variety of facilities including plastic injection molding, electronic component repair, printed circuit board assembly, oil fields and petroleum production facilities, and grape vineyards. Ms. Mitton has conducted numerous environmental multi-media compliance assurance audits in over a dozen states in sectors including lead smelters, foundries, metalworking, electronics components and waste management. She manages and provides compliance services to industrial clients including: spill prevention, control and countermeasures plan preparation, emergency response planning, hazardous waste management, hazardous substances reporting/Community Right-to-Know and comprehensive EHS audits/ISO 14001 gap analyses.

PROFESSIONAL QUALIFICATIONS

California Registered Environmental Assessor I (REA I) (program discontinued in California)	2011 - 2014 -
Board of Environmental Auditor Certifications Board of Environmental Health & Safety Auditor (BEAC)	2002 - present
Certified Professional Environmental Auditor (CPEA) in Environmental Compliance	2002 - present

EDUCATION

B.S. - Natural Resources and Environment, University of Michigan-Ann Arbor, M	1995
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ADDITIONAL TRAINING

OSHA Hazardous Waste Operations training, Annual 8-Hr Refresher	1999 - present
First Aid and CPR, Adams Safety	2012 - present
Department of Transportation Hazardous Materials Handling Certification, WSP	2015

PROFESSIONAL MEMBERSHIPS

BEAC Member	2002 - present
Association	2013 - present

BETSY MITTON, CPEA

PROFESSIONAL EXPERIENCE

Environmental Audits

- Program manager and lead auditor for multi-media environmental compliance at secondary lead smelters and anode manufacturing in the United States. The facilities had Major Source (Title V) Operating Permits subject to National Emission Standards for Hazardous Air Pollutants (NESHAP); individual National Pollutant Discharge Elimination System (NPDES) permits; wastewater discharge permits subject to National Categorical Effluent Standards for Point Source Categories; and Resource Conservation and Recovery Act (RCRA) permitted units. The comprehensive audits included all areas of the facilities and were conducted unannounced. Each evaluation included assessment of all shifts 'around the clock'.
- Program manager and lead auditor for environmental, health and safety audits conducted at the global operating facilities of a computer graphics processing company. The facilities consisted of laboratories, research & development, quality assurance/quality control testing. The comprehensive audits included review of local, state and federal requirements.
- Audit team member of a variety of industrial facilities including metal forming and finishing, plastic injection molding and extrusion, oil and gas extraction and distribution, chemical manufacture and distribution, food and beverage preparation and distribution, printed circuit boards and electronics. These audits included developing recommendations to achieve and maintain compliance, improve environmental management, and limit potential environmental liabilities.
- Program manager and audit team member for treatment, storage, and disposal facility liability review programs for a client who uses waste management facilities throughout the United States and Canada for hazardous waste treatment and disposal. The program included evaluating the facilities' waste handling practices, compliance with RCRA regulations and interviews with regulators regarding current and past violations at each facility.

Regulatory Compliance

- Ms. Mitton routinely assists clients in developing procedures and programs for maintaining compliance with environmental regulations. Ms. Mitton has prepared storm water pollution prevention plans, spill prevention control and countermeasures plans, California Hazardous Materials Business Plans, Tier II reports, air permit applications and registrations, and prepared and reviewed Superfund Amendment Reauthorization Act Title III Section 313 Form R reports for numerous manufacturing facilities.
- Team leader for evaluation and preparation of storm water pollution prevention plans and spill prevention control and countermeasures plans for over 15 bakeries throughout the western US.

BETSY MITTON, CPEA

Due Diligence

- Project manager and team member for ASTM Phase I environmental site assessments for clients throughout the U.S and Mexico. Assessments have included an evaluation of historic property uses; current raw material and waste handling and storage practices; wastewater and storm water management; air emissions; and the presence of polychlorinated biphenyls, asbestos, radon, and lead-based paint. Operations and facilities evaluated include chemical and polymer manufacturing, eyeglass manufacturing, medical and dental implement manufacturing, plastic injection molding, electronic component repair, printed circuit board assembly, oil fields and petroleum production facilities, aerospace parts and interiors manufacturing, and automobile windshield replacement, soap and detergent manufacturing, and former electronics manufacturing.

Environmental Management Systems Audit

- Program manager and audit team member for preparation of management system procedures and documents. Ms. Mitton has also conducted internal ISO 14001 pre-certification audits, gap analysis, legal register preparation and training for several electronics, semi-conductor and computer hardware and software development facilities.

Appendix C – Site Photographs

PHOTOGRAPHIC LOG

IPT

Aladdin Alvarado Crossing-San Leandro, CA

31400252

Photo No.

1

Date

6/22/16

View of the outdoor storage area for the Oriental Vase & Furniture Company.



Photo No.

2

Date

6/22/16

View of one groundwater monitoring well located on the northwest side of the subject property.



PHOTOGRAPHIC LOG

IPT

Aladdin Alvarado Crossing-San Leandro, CA

31400252

Photo No.

Date

3

6/22/16

View of the outdoor storage yard on the north side of the property.



Photo No.

Date

4

6/22/16

View of the storage yard leased to a building engineer.



PHOTOGRAPHIC LOG

IPT

Aladdin Alvarado Crossing-San Leandro, CA

31400252

Photo No.

Date

5

6/22/16

View of the former rail spur located on the south side of the subject property.



Photo No.

Date

6

6/22/16

View of the outdoor storage of granite countertops located on the southwest side of the subject property.



PHOTOGRAPHIC LOG

IPT

Aladdin Alvarado Crossing-San Leandro, CA

31400252

Photo No.

Date

7

6/22/16

View of the outdoor storage area associated with the home improvement company.



Photo No.

Date

8

6/22/16

Exterior view of the Mr. Plastics leased space.



PHOTOGRAPHIC LOG

IPT

Aladdin Alvarado Crossing-San Leandro, CA

31400252

Photo No.

Date

9

6/22/16

Interior view of the World Class Furniture store.



Photo No.

Date

10

6/22/16

Interior view of the lighting/electronics space.



PHOTOGRAPHIC LOG

IPT

Aladdin Alvarado Crossing-San Leandro, CA

31400252

Photo No.

11

Date

6/22/16

View of the dust collection system located at the cabinet manufacturing space.



Photo No.

12

Date

6/22/16

Interior view of the cabinet manufacturing space.



PHOTOGRAPHIC LOG

IPT

Aladdin Alvarado Crossing-San Leandro, CA

31400252

Photo No.

Date

13

6/22/16

Interior view of the Oriental Vase & Furniture store.



Photo No.

Date

14

6/22/16

Interior view of the Mr. Plastics shop.



PHOTOGRAPHIC LOG

IPT

Aladdin Alvarado Crossing-San Leandro, CA

31400252

Photo No.

Date

15

6/22/16

Interior view of the Mr. Plastics shop.



Photo No.

Date

16

6/22/16

View of the chemicals stored at the Mr. Plastics shop.



PHOTOGRAPHIC LOG

IPT

Aladdin Alvarado Crossing-San Leandro, CA

31400252

Photo No.

17

Date

June 22, 2016

Interior view of the space leased to retail store for shelving storage.



Appendix D – Environmental Database Report

2756 Alvarado Street
2756 Alvarado Street
San Leandro, CA 94577

Inquiry Number: 4654092.2s
June 22, 2016

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2756 ALVARADO STREET
SAN LEANDRO, CA 94577

COORDINATES

Latitude (North): 37.7091060 - 37° 42' 32.78"
Longitude (West): 122.1529190 - 122° 9' 10.50"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 574666.8
UTM Y (Meters): 4173673.2
Elevation: 42 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5641120 SAN LEANDRO, CA
Version Date: 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140608
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
2756 ALVARADO STREET
SAN LEANDRO, CA 94577

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	UNITED STATES CAN CO	2756 ALVARADO ST	HIST FTTS		TP
A2	U S MARSHAL SVC	2756 ALVARADO A B	CA HAZNET		TP
A3	UNITED STATES CAN CO	2756 ALVARADO ST	RCRA-SQG		TP
A4	US CAN COMPANY	2756 ALVARADO STREET	CA SLIC, CA HAZNET		TP
A5	SHERWIN-WILLIAMS CO#	2756 ALVARADO ST	CA HAZNET		TP
A6	US CAN COMPANY	2756 ALVARADO ST	CA SPILLS 90		TP
A7	UNITED STATES CAN CO	2756 ALVAREDO ST	HIST FTTS		TP
A8	NOEL YI	2756 ALVARADO ST	CA HAZNET		TP
A9	U. S. CAN COMPANY SI	2756 ALVARADO STREET	CA RESPONSE, CA ENVIROSTOR, CA HIST Cal-Sites, CA...		TP
A10	UNITED STATES CAN CO	2756 ALVARADO	CA Notify 65		TP
A11	U.S. CAN CO. SAN LEA	2756 ALVARADO STREET	FINDS, ECHO		TP
A12	UNITED STATES CAN CO	2756 ALVAREDO ST	FTTS		TP
A13	UNITED STATES CAN CO	2756 ALVARADO ST	FTTS		TP
B14	TRANSCON LINES	601 ALADIN AVENUE	CA Notify 65	Higher	54, 0.010, NNE
B15	TRANSCON LINES	601 ALADDIN AVE	CA HIST UST	Higher	54, 0.010, NNE
B16	ACI BULKY ITEM SORTI	601 ALLADIN AVE.	CA SWF/LF	Higher	54, 0.010, NNE
B17	TRANSCON LINES	601 ALADDIN AVE	CA RESPONSE, CA ENVIROSTOR, CA LUST, CA SWEEPS...	Higher	54, 0.010, NNE
C18	BICOASTAL PROPERTIES	2711 ALVARADO	CA LUST, CA Alameda County CS, CA HIST CORTESE	Lower	60, 0.011, West
C19		2777 ALVARADO ST	EDR Hist Auto	Lower	61, 0.012, SW
D20		2823 ALVARADO ST	EDR Hist Auto	Lower	63, 0.012, SW
D21	WESTERN KRAFT PAPER	2800 ALVARADO ST	CA SWEEPS UST, CA FID UST, CA WDS	Lower	80, 0.015, SSW
D22	GEORGIA-PACIFIC CORR	2800 ALVARADO STREET	CA AST, CA EMI	Lower	80, 0.015, SSW
D23	GEORGIA PACIFIC CORR	2800 ALVARADO ST	CA LUST, CA HIST CORTESE, CA NPDES	Lower	80, 0.015, SSW
D24	WESTERN KRAFT PAPER	2800 ALVARADO ST	CA HIST UST	Lower	80, 0.015, SSW
C25	TRW	820 ALADDIN AVE	CA SLIC	Lower	231, 0.044, West
26	ALAMEDA COUNTY INDUS	610 ALADDIN AVE	CA SWF/LF, CA HAULERS, CA NPDES	Higher	241, 0.046, NE
27	THOMAS OUTDOOR LIGHT	2661 ALVARADO STREET	RCRA-SQG, CA SWEEPS UST, CA HIST UST, CA FID UST,...	Lower	326, 0.062, WNW
28	SAN FRANCISCO NIKE 3		CA RESPONSE, CA ENVIROSTOR	Lower	448, 0.085, SE
E29	FEDEX NATIONAL LTL S	549 MONTAGUE AVE	RCRA NonGen / NLR	Higher	760, 0.144, North
E30	OLIVER WIRE AND PLAT	555 MONTAGUE AVE	RCRA-SQG, CA SLIC, FINDS, ECHO	Higher	778, 0.147, North
F31	VAN BOKKELEN & SONS	688 - 700 MONTAGUE A	CA LUST, CA HIST CORTESE, CA Notify 65	Higher	797, 0.151, NNW
G32	RAINBO DISTRIBUTORS	828 MONTAGUE	CA LUST, CA HIST CORTESE	Lower	825, 0.156, WNW
G33	EVERGREEN	797 MONTAGUE AVE	CA LUST	Higher	836, 0.158, NW
G34	EVERGREEN PROGRAM	797 MONTAGUE AVE	CA SWEEPS UST, CA HIST UST, CA FID UST	Higher	836, 0.158, NW
G35	EVERGREEN	797 MONTAGUE AVE	CA LUST, CA HIST CORTESE	Higher	836, 0.158, NW
E36	LAWTER CHEMICALS INC	595 MONTAGUE AVE	RCRA-SQG, CA SWEEPS UST, CA FID UST, FINDS, ECHO	Higher	837, 0.159, NNW
F37	MAR'S ENGINEERING CO	699 MONTAGUE AVE.	RCRA-SQG, FINDS, ECHO	Higher	837, 0.159, NNW
G38	CONTINENTAL BAKING C	833 MONTAGUE	CA SWEEPS UST, CA FID UST	Lower	863, 0.163, WNW
G39	CONTINENTAL BAKING C	833 MONTAGUE	CA LUST, CA HIST CORTESE	Lower	863, 0.163, WNW

MAPPED SITES SUMMARY

Target Property Address:
2756 ALVARADO STREET
SAN LEANDRO, CA 94577

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
H40	HUDSON I C S	400 HUDSON LANE	CA ENVIROSTOR, CA LUST, CA Alameda County CS, CA...	Higher	894, 0.169, NNE
H41	HUDSON I C S	400 HUDSON LANE	RCRA-SQG, CA SWEEPS UST, CA FID UST, FINDS, CA...	Higher	894, 0.169, NNE
G42	DALCO TRUCK RENTAL	2595 ALVARADO ST	CA SWEEPS UST, CA FID UST	Higher	930, 0.176, NW
G43	DALCO TRUCK RENTAL	2595 ALVARADO ST	CA LUST, CA HIST UST	Higher	930, 0.176, NW
G44	DALCO TRUCK RENTALS	2595 ALVARADO ST	RCRA-SQG, FINDS, CA HAZNET, ECHO	Higher	930, 0.176, NW
I45	ANIXTER, INC	1050 ALADDIN AVE	RCRA NonGen / NLR, US AIRS	Lower	948, 0.180, WSW
G46	SCANDIC SPRINGS INC	901 MONTAGUE AVE	RCRA NonGen / NLR, FINDS, ECHO	Lower	954, 0.181, WNW
J47	VIKING FREIGHT SYSTE	3050 TEAGARDEN STREE	CA UST	Lower	1036, 0.196, South
J48	UPS FREIGHT SAN LEAN	3050 TEAGARDEN ST	RCRA-LQG	Lower	1036, 0.196, South
J49	TEAGARDEN FREIGHT TE	3050 TEAGARDEN ST	CA SWEEPS UST, CA HIST UST, CA FID UST, CA EMI, CA...	Lower	1036, 0.196, South
J50	DUNITZ & STERN	3050 TEAGARDEN	CA LUST	Lower	1036, 0.196, South
J51	AMPECO	3051 TEAGARDEN ST	RCRA-SQG, FINDS, ECHO	Lower	1042, 0.197, South
I52	ALADDIN HEATING CORP	1111 ALADDIN AVE	RCRA-SQG, CA LUST, CA SWEEPS UST, CA HIST UST, CA...	Lower	1047, 0.198, WSW
K53	MONTGOMERY WARD AND	3000 ALVARADO STREET	CA HIST UST	Lower	1054, 0.200, South
K54	MONTGOMERY WARD	3000 ALVARADO	CA LUST	Lower	1054, 0.200, South
K55	MONTGOMERY WARD	3000 ALVARADO	CA LUST, CA HIST CORTESE	Lower	1054, 0.200, South
J56	FARMER BROS CO	3041 TEA GARDEN	RCRA-SQG	Lower	1063, 0.201, South
K57	UNISOURCE	3004 ALVARADO ST	RCRA-SQG, FINDS, ECHO	Lower	1130, 0.214, SSE
K58	STANDARD T CHEMICAL	3016 ALVARADO STREET	RCRA-SQG, FINDS, ECHO	Lower	1147, 0.217, SSE
L59	NOVA INDUSTRIES INCO	999 MONTAGUE AVENUE	RCRA-SQG, FINDS, CA EMI, CA HIST CORTESE, ECHO	Lower	1166, 0.221, WNW
M60	GNB INC	2993 TEAGARDEN ST	RCRA-SQG, FINDS, ECHO	Lower	1196, 0.227, SSW
M61	DOHERTY N DUNNE	2972 TEAGARDEN	RCRA-SQG, FINDS, ECHO	Lower	1234, 0.234, SSW
L62	STELLA DIORO BISCUIT	1000 MONTAGUE AVE	CA SWEEPS UST, CA HIST UST, CA FID UST	Lower	1246, 0.236, West
L63	MARATHON PACKING COR	1000 MONTAGUE ST	CA LUST, CA HIST CORTESE, CA NPDES	Lower	1246, 0.236, West
L64	STELLA D'ORO BISCUIT	1000 MONTAGUE AVE	CA LUST	Lower	1246, 0.236, West
L65	SHERWIN-WILLIAMS #43	1033 MONTAGUE ST	RCRA-LQG	Lower	1282, 0.243, West
66	STAEFA CONTROL SYSTE	2481 WASHINGTON AVE	SEMS-ARCHIVE	Higher	1298, 0.246, NE
M67	PERFECT REFLECTIONS	2954 TEAGARDEN ST	RCRA-SQG, FINDS, CA HAZNET, ECHO	Lower	1302, 0.247, SSW
68	DURA STRIP OF SAN LE	2996 TEAGARDEN ST	RCRA-SQG, FINDS, ECHO	Lower	1317, 0.249, SSW
N69	PECHINEY PLASTIC PAC	2450 ALVARADO ST	CA LUST, CA SLIC, CA Alameda County CS, CA SWEEPS...	Higher	1337, 0.253, NW
O70	S.L.U.S.D.	1145 ALADDIN AVE	CA LUST, CA SWEEPS UST, CA HIST UST, CA FID UST,...	Lower	1362, 0.258, WSW
P71	STAEFA CO	2481 SAN LEANDRO BLV	CA ENVIROSTOR, CA VCP, CA HAZNET	Higher	1455, 0.276, NE
72	295 139TH AVE	295 139TH AVE	CA Alameda County CS, CA HAZNET	Lower	1510, 0.286, ESE
O73	WESTERN STATES OIL C	2709 TEAGARDEN ST	CA LUST, CA Alameda County CS, CA SWEEPS UST, CA...	Lower	1576, 0.298, WSW
N74	LEASEWAY TRANSPORTAT	2366 ALVARADO STREET	CA LUST, CA HIST UST, CA HIST CORTESE	Higher	1609, 0.305, NW
N75	PENSKE TRUCK LEASING	2366 ALVARADO ST	CA LUST	Higher	1609, 0.305, NW
P76	SINGER FRIDEN	2350 AND 2450 WASHIN	CA RESPONSE, CA ENVIROSTOR, CA HIST Cal-Sites, CA...	Higher	1681, 0.318, NNE
Q77	SINGER FRIDEN NPDES	2411 WASHINGTON AVE.	CA SLIC	Higher	1688, 0.320, NNE
Q78	INTERCOASTAL PAINT C	2411 WASHINGTON AVEN	CA ENVIROSTOR, CA HAZNET	Higher	1688, 0.320, NNE

MAPPED SITES SUMMARY

Target Property Address:
2756 ALVARADO STREET
SAN LEANDRO, CA 94577

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
R79	WELLS FARGO BANK	1188 MONTAGUE	CA LUST, CA HIST CORTESE	Lower	1695, 0.321, West
R80	WELLS FARGO BANK	2500 TEAGARDEN	CA LUST, CA SWEEPS UST, CA HIST CORTESE	Lower	1813, 0.343, West
S81	SINGER-FRIDEN SITE	2350 WASHINGTON AVE	CA Notify 65	Higher	1914, 0.363, NNE
S82	SINGER - FRIDEN SITE	2350 WASHINGTON AVE	CA Notify 65	Higher	1914, 0.363, NNE
T83	AMARAL SAUSAGE	735 FREMONT	CA LUST, CA HIST CORTESE	Lower	1965, 0.372, SE
T84	S & S BUILDING SUPPL	701 FREMONT AVE	CA LUST, CA Alameda County CS, CA SWEEPS UST, CA...	Lower	1995, 0.378, SE
85	LARSON BROTHERS LUMB	14200 WASHINGTON AVE	CA LUST, CA HIST CORTESE	Lower	2002, 0.379, ESE
U86	CINTAS/DEDOMINICO SI	777 139TH AVENUE	CA HIST Cal-Sites, CA EMI	Higher	2037, 0.386, East
U87	CONTAS CORP.	777 139TH AVE	CA RESPONSE, CA ENVIROSTOR, CA LUST, CA SWEEPS...	Higher	2037, 0.386, East
U88	CINTAS OPERATION # 5	777 139TH AVE	CA SLIC	Higher	2037, 0.386, East
U89	ONE HUNDRED THIRTY-N	750 139TH STREET	CA BOND EXP. PLAN	Higher	2051, 0.388, East
U90	WEAVER PROPERTY	750 139TH ST	CA SLIC	Higher	2051, 0.388, East
91	YOKOTA NURSERY, FORM	467,505, AND517 MARI	CA SLIC, CA DEED	Higher	2102, 0.398, NNW
V92	UNOCAL SERVICE STATI	846 MARINA DR	CA LUST, CA Alameda County CS, CA SWEEPS UST, CA...	Higher	2132, 0.404, NW
V93	COFFEL PROPERTY - PE	2144 ALVARADO	CA SLIC, CA Alameda County CS	Higher	2150, 0.407, NW
W94	PETERSON TRACTOR CO	955 MARINA BLVD	SEMS-ARCHIVE	Lower	2165, 0.410, NW
W95	PETERSON TRACTOR COM	955 MARINA BLVD	CA SLIC	Lower	2165, 0.410, NW
W96	PETERSON TRACTOR COM	955 MARINA BLVD	CA ENVIROSTOR, CA LUST, CA Alameda County CS, CA...	Lower	2165, 0.410, NW
97	YOKOTA NURSERY	467 MARINA BOULEVARD	CA ENVIROSTOR, CA VCP, CA HAZNET	Higher	2168, 0.411, North
98	SPENCER NAHM CO	620 MARINA BLVD	CA LUST, CA SWEEPS UST, CA FID UST, CA HIST...	Higher	2192, 0.415, NNW
X99	R.L. STEVENS COMPANY	14273 WASHINGTON AVE	CA LUST, CA HAZNET, CA HIST CORTESE	Lower	2215, 0.420, ESE
X100	SAN LEANDRO RENTAL	14273 WASHINGTON AVE	CA LUST, CA SWEEPS UST, CA WDS	Lower	2215, 0.420, ESE
W101	MARINA FOOD MART	2180 ORCHARD AVE	CA LUST, CA SWEEPS UST, CA FID UST	Lower	2315, 0.438, NW
102	DWA PLUME	SAN LEANDRO (GROUNDW	CA RESPONSE, CA ENVIROSTOR, CA HIST Cal-Sites, CA...	Higher	2357, 0.446, East
Y103	SAFEWAY PRESERVES PL	1111 MARINA BLVD	CA LUST, CA Alameda County CS, CA SWEEPS UST, CA...	Lower	2382, 0.451, WNW
Y104	MARINA AUTO ELECTRIC	1066 MARINA	CA LUST, CA HIST CORTESE	Lower	2390, 0.453, WNW
105	CHIPMAN CORPORATION	1717 FAIRWAY DR	CA LUST, CA SWEEPS UST, CA FID UST, CA HIST...	Lower	2402, 0.455, WSW
Z106	864-866 ESTABROOK ST	864-866 ESTABROOK ST	CA SLIC, CA BROWNFIELDS	Higher	2438, 0.462, NW
Z107	METAL MENDING	868 ESTABROOK ST	CA LUST, CA Alameda County CS, CA HIST CORTESE	Higher	2439, 0.462, NW
AA108	SERVICE PLASTERING,	1090 139TH AVE	CA LUST, CA SWEEPS UST, CA FID UST, CA HIST...	Higher	2456, 0.465, ENE
AA109	GOLDEN GRAIN	1111 139TH AVE	CA LUST, CA Alameda County CS, CA SWEEPS UST, CA...	Higher	2466, 0.467, ENE
110	MORGAN BROTHERS PATI	14305 WASHINGTON	CA LUST, CA HIST CORTESE	Lower	2474, 0.469, ESE
Y111	BEACON STATION #720	1088 MARINA BLVD	CA LUST, CA Alameda County CS, CA SWEEPS UST, CA...	Lower	2480, 0.470, WNW
112	SAFEWAY PRESERVES PL	111 MARINA	CA Notify 65	Higher	2505, 0.474, North
AA113	CENTURY PLATING COMP	1124 139TH AVE	SEMS-ARCHIVE, LIENS 2, PRP	Higher	2507, 0.475, ENE
AA114	CENTURY PLATING COMP	1124 139TH AVENUE	CA RESPONSE, CA ENVIROSTOR, CA HIST Cal-Sites, CA...	Higher	2507, 0.475, ENE
AB115	NORTHWEST MOTOR WELD	2100 ORCHARD AVE	RCRA-SQG, CA LUST, FINDS, ECHO	Lower	2509, 0.475, NW
AB116	NORTHWEST MOTOR WELD	2100 ORCHARD	CA LUST, CA Alameda County CS, CA HIST CORTESE	Lower	2509, 0.475, NW
AB117	FORMER NORTHWEST MOT	2100 ORCHARD AVENUE	CA SLIC	Lower	2509, 0.475, NW

MAPPED SITES SUMMARY

Target Property Address:
 2756 ALVARADO STREET
 SAN LEANDRO, CA 94577

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
AC118	SIMMONS - SOILS	1465 FACTOR AVENUE/1	CA RESPONSE, CA ENVIROSTOR	Lower	2835, 0.537, SW
AC119	FACTOR AVENUE PLUME	1465 FACTOR AVENUE	CA BOND EXP. PLAN	Lower	2835, 0.537, SW
AD120	DANA CORPORATION	2799 MILLER STREET	CA HIST Cal-Sites	Lower	3105, 0.588, WSW
121	GM TRAINING CENTER	1444 MARINA	CA LUST, CA Alameda County CS, CA Notify 65	Lower	3138, 0.594, WNW
AD122	CORRPRO COMPANIES IN	2799 MILLER ST	CA RESPONSE, CA ENVIROSTOR, CA HAZNET	Lower	3232, 0.612, WSW
123	J P METAL FINISHING	1870 ALVARADO STREET	CA ENVIROSTOR	Higher	3274, 0.620, NW
124	FORD STAGING SITE (9	13900 14TH STREET	CA ENVIROSTOR, CA SCH	Higher	3539, 0.670, ENE
125	LIQUID GOLD OIL CORP	1696 MARTINEZ ST	SEMS-ARCHIVE, CORRACTS, CA ENVIROSTOR, CA Alameda	Higher	4106, 0.778, NNW
126	JEFFERSON ELEMENTARY	14311 LARK STREET	CA ENVIROSTOR, CA SCH, CA HAZNET	Higher	5029, 0.952, ENE
127	LERNER PROCESSING LA	14333 WICKS BOULEVAR	CA ENVIROSTOR	Lower	5128, 0.971, SW
128	INGERSOLL-RAND EQUIP	1944 MARINA BOULEVAR	CA Notify 65	Lower	5212, 0.987, West

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
UNITED STATES CAN CO 2756 ALVARADO ST SAN LEANDRO, CA 94577	HIST FTTS Close Date:: / / Docket Number:: EPCRA09-89-0001	N/A
U S MARSHAL SVC 2756 ALVARADO A B SAN LEANDRO, CA 94577	CA HAZNET GEPaid: CAP000035543	N/A
UNITED STATES CAN CO 2756 ALVARADO ST SAN LEANDRO, CA 94577	RCRA-SQG EPA ID:: CAD009133117	CAD009133117
US CAN COMPANY 2756 ALVARADO STREET SAN LEANDRO, CA 94577	CA SLIC Facility Status: Open - Inactive Global Id: T10000007962 CA HAZNET GEPaid: CAC001006848	N/A
SHERWIN-WILLIAMS CO# 2756 ALVARADO ST SAN LEANDRO, CA 94577	CA HAZNET GEPaid: CAD009133117	N/A
US CAN COMPANY 2756 ALVARADO ST SAN LEANDRO, CA 94577	CA SPILLS 90 Status: INACTIVE Site Id: SLC201S0191	N/A
UNITED STATES CAN CO 2756 ALVAREDO ST SAN LEANDRO, CA 94577	HIST FTTS	N/A
NOEL YI 2756 ALVARADO ST SAN LEANDRO, CA 94577	CA HAZNET GEPaid: CAC000964944	N/A
U. S. CAN COMPANY SI 2756 ALVARADO STREET SAN LEANDRO, CA 94577	CA RESPONSE AWP Facility Id: 01340117 Status: No Further Action	N/A

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	Facility Id: 1340117 CA ENVIROSTOR Facility Id: 1340117 Status: No Further Action CA HIST Cal-Sites CA EMI Facility Id: 1386	
UNITED STATES CAN CO 2756 ALVARADO SAN LEANDRO, CA 92584	CA Notify 65	N/A
U.S. CAN CO. SAN LEA 2756 ALVARADO STREET SAN LEANDRO, CA 94577	FINDS Registry ID:: 110002147105 ECHO	N/A
UNITED STATES CAN CO 2756 ALVAREDO ST SAN LEANDRO, CA 94577	FTTS	N/A
UNITED STATES CAN CO 2756 ALVARADO ST SAN LEANDRO, CA 94577	FTTS Docket Number:: EPCRA09-89-0001 Close Date:: / /	N/A

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

EXECUTIVE SUMMARY

SEMS..... Superfund Enterprise Management System

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

US ENG CONTROLS..... Engineering Controls Sites List

US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal 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

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

CA WMUDS/SWAT..... Waste Management Unit Database

CA SWRCY..... Recycler Database

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

CA CDL..... Clandestine Drug Labs

CA Toxic Pits..... Toxic Pits Cleanup Act Sites

US CDL..... National Clandestine Laboratory Register

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

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CA LDS..... Land Disposal Sites Listing
CA MCS..... Military Cleanup Sites Listing

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
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
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US MINES..... Mines Master Index File
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
UXO..... Unexploded Ordnance Sites
CA CUPA Listings..... CUPA Resources List
CA DRYCLEANERS..... Cleaner Facilities
CA Financial Assurance..... Financial Assurance Information Listing
CA MINES..... Mines Site Location Listing
CA MWMP..... Medical Waste Management Program Listing
CA PEST LIC..... Pesticide Regulation Licenses Listing
CA PROC..... Certified Processors Database
CA UIC..... UIC Listing
CA WASTEWATER PITS..... Oil Wastewater Pits Listing
CA WIP..... Well Investigation Program Case List
FUELS PROGRAM..... EPA Fuels Program Registered Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner..... EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

CA RGA LF..... Recovered Government Archive Solid Waste Facilities List

EXECUTIVE SUMMARY

CA 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 03/07/2016 has revealed that there are 3 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
STAEFA CONTROL SYSTE <i>CENTURY PLATING COMP</i>	2481 WASHINGTON AVE <i>1124 139TH AVE</i>	NE 1/8 - 1/4 (0.246 mi.) <i>ENE 1/4 - 1/2 (0.475 mi.)</i>	66 <i>AA113</i>	135 <i>280</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PETERSON TRACTOR CO	955 MARINA BLVD	NW 1/4 - 1/2 (0.410 mi.)	W94	225

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/09/2015 has revealed that there is 1

EXECUTIVE SUMMARY

CORRACTS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>LIQUID GOLD OIL CORP</i>	<i>1696 MARTINEZ ST</i>	<i>NNW 1/2 - 1 (0.778 mi.)</i>	<i>125</i>	<i>306</i>

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 12/09/2015 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>UPS FREIGHT SAN LEAN</i>	<i>3050 TEAGARDEN ST</i>	<i>S 1/8 - 1/4 (0.196 mi.)</i>	<i>J48</i>	<i>92</i>
<i>SHERWIN-WILLIAMS #43</i>	<i>1033 MONTAGUE ST</i>	<i>W 1/8 - 1/4 (0.243 mi.)</i>	<i>L65</i>	<i>132</i>

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 12/09/2015 has revealed that there are 16 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>OLIVER WIRE AND PLAT</i>	<i>555 MONTAGUE AVE</i>	<i>N 1/8 - 1/4 (0.147 mi.)</i>	<i>E30</i>	<i>53</i>
<i>LAWTER CHEMICALS INC</i>	<i>595 MONTAGUE AVE</i>	<i>NNW 1/8 - 1/4 (0.159 mi.)</i>	<i>E36</i>	<i>62</i>
<i>MAR'S ENGINEERING CO</i>	<i>699 MONTAGUE AVE.</i>	<i>NNW 1/8 - 1/4 (0.159 mi.)</i>	<i>F37</i>	<i>64</i>
<i>HUDSON I C S</i>	<i>400 HUDSON LANE</i>	<i>NNE 1/8 - 1/4 (0.169 mi.)</i>	<i>H41</i>	<i>76</i>
<i>DALCO TRUCK RENTALS</i>	<i>2595 ALVARADO ST</i>	<i>NW 1/8 - 1/4 (0.176 mi.)</i>	<i>G44</i>	<i>84</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>THOMAS OUTDOOR LIGHT</i>	<i>2661 ALVARADO STREET</i>	<i>WNW 0 - 1/8 (0.062 mi.)</i>	<i>27</i>	<i>44</i>
<i>AMPECO</i>	<i>3051 TEAGARDEN ST</i>	<i>S 1/8 - 1/4 (0.197 mi.)</i>	<i>J51</i>	<i>98</i>
<i>ALADDIN HEATING CORP</i>	<i>1111 ALADDIN AVE</i>	<i>WSW 1/8 - 1/4 (0.198 mi.)</i>	<i>I52</i>	<i>100</i>
<i>FARMER BROS CO</i>	<i>3041 TEA GARDEN</i>	<i>S 1/8 - 1/4 (0.201 mi.)</i>	<i>J56</i>	<i>111</i>
<i>UNISOURCE</i>	<i>3004 ALVARADO ST</i>	<i>SSE 1/8 - 1/4 (0.214 mi.)</i>	<i>K57</i>	<i>112</i>
<i>STANDARD T CHEMICAL</i>	<i>3016 ALVARADO STREET</i>	<i>SSE 1/8 - 1/4 (0.217 mi.)</i>	<i>K58</i>	<i>113</i>
<i>NOVA INDUSTRIES INCO</i>	<i>999 MONTAGUE AVENUE</i>	<i>WNW 1/8 - 1/4 (0.221 mi.)</i>	<i>L59</i>	<i>115</i>
<i>GNB INC</i>	<i>2993 TEAGARDEN ST</i>	<i>SSW 1/8 - 1/4 (0.227 mi.)</i>	<i>M60</i>	<i>123</i>
<i>DOHERTY N DUNNE</i>	<i>2972 TEAGARDEN</i>	<i>SSW 1/8 - 1/4 (0.234 mi.)</i>	<i>M61</i>	<i>125</i>
<i>PERFECT REFLECTIONS</i>	<i>2954 TEAGARDEN ST</i>	<i>SSW 1/8 - 1/4 (0.247 mi.)</i>	<i>M67</i>	<i>136</i>
<i>DURA STRIP OF SAN LE</i>	<i>2996 TEAGARDEN ST</i>	<i>SSW 1/8 - 1/4 (0.249 mi.)</i>	<i>68</i>	<i>139</i>

EXECUTIVE SUMMARY

State- and tribal - equivalent NPL

CA 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 CA RESPONSE list, as provided by EDR, and dated 05/02/2016 has revealed that there are 8 CA RESPONSE sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TRANSCON LINES Status: No Further Action Facility Id: 1470004	601 ALADDIN AVE	NNE 0 - 1/8 (0.010 mi.)	B17	21
SINGER FRIDEN Status: Certified / Operation & Maintenance Facility Id: 1360094	2350 AND 2450 WASHIN	NNE 1/4 - 1/2 (0.318 mi.)	P76	174
CONTAS CORP. Status: Certified / Operation & Maintenance Facility Id: 1890017	777 139TH AVE	E 1/4 - 1/2 (0.386 mi.)	U87	212
DWA PLUME AWP Facility Id: 01990002 Status: Active Facility Id: 1990002	SAN LEANDRO (GROUNDW	E 1/4 - 1/2 (0.446 mi.)	102	244
CENTURY PLATING COMP Status: Certified Facility Id: 1340040	1124 139TH AVENUE	ENE 1/4 - 1/2 (0.475 mi.)	AA114	282

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAN FRANCISCO NIKE 3 Status: Inactive - Needs Evaluation Facility Id: 80000548		SE 0 - 1/8 (0.085 mi.)	28	49
SIMMONS - SOILS Status: No Further Action Facility Id: 1730011	1465 FACTOR AVENUE/1	SW 1/2 - 1 (0.537 mi.)	AC118	294
CORRPRO COMPANIES IN Status: No Further Action Facility Id: 1750029	2799 MILLER ST	WSW 1/2 - 1 (0.612 mi.)	AD122	300

State- and tribal - equivalent CERCLIS

CA ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the CA ENVIROSTOR list, as provided by EDR, and dated 05/02/2016 has revealed that there

EXECUTIVE SUMMARY

are 18 CA ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TRANSCON LINES Facility Id: 1470004 Status: No Further Action	601 ALADDIN AVE	NNE 0 - 1/8 (0.010 mi.)	B17	21
HUDSON I C S Facility Id: 1240035 Status: Certified / Operation & Maintenance	400 HUDSON LANE	NNE 1/8 - 1/4 (0.169 mi.)	H40	69
STAEFA CO Facility Id: 1380001 Status: No Further Action	2481 SAN LEANDRO BLV	NE 1/4 - 1/2 (0.276 mi.)	P71	165
SINGER FRIDEN Facility Id: 1360094 Status: Certified / Operation & Maintenance	2350 AND 2450 WASHIN	NNE 1/4 - 1/2 (0.318 mi.)	P76	174
INTERCOASTAL PAINT C Facility Id: 1750031 Status: No Further Action	2411 WASHINGTON AVEN	NNE 1/4 - 1/2 (0.320 mi.)	Q78	189
CONTAS CORP. Facility Id: 1890017 Status: Certified / Operation & Maintenance	777 139TH AVE	E 1/4 - 1/2 (0.386 mi.)	U87	212
YOKOTA NURSERY Facility Id: 1010011 Status: Refer: RWQCB	467 MARINA BOULEVARD	N 1/4 - 1/2 (0.411 mi.)	97	230
DWA PLUME Facility Id: 1990002 Status: Active	SAN LEANDRO (GROUNDW	E 1/4 - 1/2 (0.446 mi.)	102	244
CENTURY PLATING COMP Facility Id: 1340040 Status: Certified	1124 139TH AVENUE	ENE 1/4 - 1/2 (0.475 mi.)	AA114	282
J P METAL FINISHING Facility Id: 7000092 Status: No Further Action	1870 ALVARADO STREET	NW 1/2 - 1 (0.620 mi.)	123	302
FORD STAGING SITE (9 Facility Id: 60000465 Status: No Further Action	13900 14TH STREET	ENE 1/2 - 1 (0.670 mi.)	124	303
LIQUID GOLD OIL CORP Facility Id: 1290023 Facility Id: 80001849 Status: Inactive - Needs Evaluation	1696 MARTINEZ ST	NNW 1/2 - 1 (0.778 mi.)	125	306
JEFFERSON ELEMENTARY Facility Id: 1820004 Status: Certified	14311 LARK STREET	ENE 1/2 - 1 (0.952 mi.)	126	312
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAN FRANCISCO NIKE 3 Facility Id: 80000548 Status: Inactive - Needs Evaluation		SE 0 - 1/8 (0.085 mi.)	28	49
PETERSON TRACTOR COM	955 MARINA BLVD	NW 1/4 - 1/2 (0.410 mi.)	W96	226

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Facility Id: 1350118
Status: Refer: RWQCB

SIMMONS - SOILS Facility Id: 1730011 Status: No Further Action	1465 FACTOR AVENUE/1	SW 1/2 - 1 (0.537 mi.)	AC118	294
CORRPRO COMPANIES IN Facility Id: 1750029 Status: No Further Action	2799 MILLER ST	WSW 1/2 - 1 (0.612 mi.)	AD122	300
LERNER PROCESSING LA Facility Id: 71003580 Status: Inactive - Needs Evaluation	14333 WICKS BOULEVAR	SW 1/2 - 1 (0.971 mi.)	127	315

State and tribal landfill and/or solid waste disposal site lists

CA SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the CA SWF/LF list, as provided by EDR, and dated 05/16/2016 has revealed that there are 2 CA SWF/LF sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ACI BULKY ITEM SORTI Facility ID: 01-AA-0319 Operational Status: Active Regulation Status: Notification	601 ALLADIN AVE.	NNE 0 - 1/8 (0.010 mi.)	B16	20
ALAMEDA COUNTY INDUS Facility ID: 01-AA-0290 Facility ID: 01-AA-0291 Operational Status: Active Regulation Status: Permitted Regulation Status: Notification	610 ALADDIN AVE	NE 0 - 1/8 (0.046 mi.)	26	39

State and tribal leaking storage tank lists

CA LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the CA LUST list, as provided by EDR, and dated 03/14/2016 has revealed that there are 43 CA LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TRANSCON LINES Status: Completed - Case Closed Facility Id: 01-1498 Facility Status: Case Closed	601 ALADDIN AVE	NNE 0 - 1/8 (0.010 mi.)	B17	21

EXECUTIVE SUMMARY

Global Id: T0600101383				
date9: 3/22/2001				
VAN BOKKELEN & SONS	688 - 700 MONTAGUE A	NNW 1/8 - 1/4 (0.151 mi.)	F31	55
Status: Completed - Case Closed				
Facility Id: 01-1631				
Facility Status: Case Closed				
Global Id: T0600101506				
date9: 2/4/1994				
EVERGREEN	797 MONTAGUE AVE	NW 1/8 - 1/4 (0.158 mi.)	G33	59
Facility Id: 01-0578				
Facility Status: Case Closed				
date9: 10/11/1995				
EVERGREEN	797 MONTAGUE AVE	NW 1/8 - 1/4 (0.158 mi.)	G35	60
Status: Completed - Case Closed				
Global Id: T0600100531				
HUDSON I C S	400 HUDSON LANE	NNE 1/8 - 1/4 (0.169 mi.)	H40	69
Status: Completed - Case Closed				
Facility Id: 01-0784				
Facility Status: Case Closed				
Global Id: T0600100721				
date9: 6/20/1996				
DALCO TRUCK RENTAL	2595 ALVARADO ST	NW 1/8 - 1/4 (0.176 mi.)	G43	81
Status: Completed - Case Closed				
Global Id: T10000003620				
PECHINEY PLASTIC PAC	2450 ALVARADO ST	NW 1/4 - 1/2 (0.253 mi.)	N69	141
Status: Completed - Case Closed				
Facility Id: 01-2129				
Facility Status: Case Closed				
Global Id: T0600101955				
date9: 2/20/1996				
LEASEWAY TRANSPORTAT	2366 ALVARADO STREET	NW 1/4 - 1/2 (0.305 mi.)	N74	172
Status: Completed - Case Closed				
Global Id: T0600101063				
PENSKE TRUCK LEASING	2366 ALVARADO ST	NW 1/4 - 1/2 (0.305 mi.)	N75	174
Facility Id: 01-1154				
Facility Status: Post remedial action monitoring				
CONTAS CORP.	777 139TH AVE	E 1/4 - 1/2 (0.386 mi.)	U87	212
Status: Open - Verification Monitoring				
Facility Id: 01-1863				
Facility Status: Pollution Characterization				
Global Id: T0600101726				
UNOCAL SERVICE STATI	846 MARINA DR	NW 1/4 - 1/2 (0.404 mi.)	V92	221
Status: Completed - Case Closed				
Facility Id: 01-1614				
Facility Status: Case Closed				
Global Id: T0600101489				
date9: 6/21/1995				
SPENCER NAHM CO	620 MARINA BLVD	NNW 1/4 - 1/2 (0.415 mi.)	98	234
Status: Completed - Case Closed				
Facility Id: 01-1868				
Facility Status: Case Closed				

EXECUTIVE SUMMARY

Global Id: T0600101731				
date9: 2/15/1996				
METAL MENDING	868 ESTABROOK ST	NW 1/4 - 1/2 (0.462 mi.)	Z107	261
Status: Completed - Case Closed				
Facility Id: 01-2164				
Facility Status: Case Closed				
Global Id: T0600101988				
date9: 10/16/1996				
SERVICE PLASTERING,	1090 139TH AVE	ENE 1/4 - 1/2 (0.465 mi.)	AA108	263
Status: Completed - Case Closed				
Facility Id: 01-1321				
Facility Status: Case Closed				
Global Id: T0600101216				
date9: 4/18/1994				
GOLDEN GRAIN	1111 139TH AVE	ENE 1/4 - 1/2 (0.467 mi.)	AA109	265
Status: Completed - Case Closed				
Facility Id: 01-0709				
Facility Status: Case Closed				
Global Id: T0600100653				
date9: 11/9/1996				
Lower Elevation	Address	Direction / Distance	Map ID	Page
BICOASTAL PROPERTIES	2711 ALVARADO	W 0 - 1/8 (0.011 mi.)	C18	26
Status: Completed - Case Closed				
Facility Id: 01-0205				
Facility Status: Case Closed				
Global Id: T0600100191				
date9: 11/27/1995				
GEORGIA PACIFIC CORR	2800 ALVARADO ST	SSW 0 - 1/8 (0.015 mi.)	D23	34
Status: Completed - Case Closed				
Facility Id: 01-2122				
Facility Status: Case Closed				
Global Id: T0600101948				
date9: 12/16/1997				
RAINBO DISTRIBUTORS	828 MONTAGUE	WNW 1/8 - 1/4 (0.156 mi.)	G32	57
Status: Completed - Case Closed				
Facility Id: 01-2137				
Facility Status: Case Closed				
Global Id: T0600101963				
date9: 11/14/1997				
CONTINENTAL BAKING C	833 MONTAGUE	WNW 1/8 - 1/4 (0.163 mi.)	G39	67
Status: Completed - Case Closed				
Facility Id: 01-1972				
Facility Status: Case Closed				
Global Id: T0600101822				
date9: 1/9/1997				
DUNITZ & STERN	3050 TEAGARDEN	S 1/8 - 1/4 (0.196 mi.)	J50	97
Status: Completed - Case Closed				
Global Id: T0600158364				
ALADDIN HEATING CORP	1111 ALADDIN AVE	WSW 1/8 - 1/4 (0.198 mi.)	I52	100
Status: Completed - Case Closed				

EXECUTIVE SUMMARY

Facility Id: 01-1923 Facility Status: Post remedial action monitoring Global Id: T0600101783				
MONTGOMERY WARD	3000 ALVARADO	S 1/8 - 1/4 (0.200 mi.)	K54	109
Facility Id: 01-1013 Facility Status: Case Closed date9: 5/11/1995				
MONTGOMERY WARD	3000 ALVARADO	S 1/8 - 1/4 (0.200 mi.)	K55	109
Status: Completed - Case Closed Global Id: T0600100935				
MARATHON PACKING COR	1000 MONTAGUE ST	W 1/8 - 1/4 (0.236 mi.)	L63	127
Status: Completed - Case Closed Global Id: T0600101316				
STELLA D'ORO BISCUIT	1000 MONTAGUE AVE	W 1/8 - 1/4 (0.236 mi.)	L64	132
Facility Id: 01-1425 Facility Status: Case Closed date9: 4/29/1998				
S.L.U.S.D.	1145 ALADDIN AVE	WSW 1/4 - 1/2 (0.258 mi.)	O70	162
Status: Completed - Case Closed Facility Id: 01-1296 Facility Status: Case Closed Global Id: T0600101192 date9: 10/11/1995				
WESTERN STATES OIL C	2709 TEAGARDEN ST	WSW 1/4 - 1/2 (0.298 mi.)	O73	169
Status: Completed - Case Closed Facility Id: 01-0685 Facility Status: Case Closed Global Id: T0600100630 date9: 7/15/1999				
WELLS FARGO BANK	1188 MONTAGUE	W 1/4 - 1/2 (0.321 mi.)	R79	192
Status: Completed - Case Closed Facility Id: 01-1925 Facility Status: Case Closed Global Id: T0600101785 date9: 11/2/1995				
WELLS FARGO BANK	2500 TEAGARDEN	W 1/4 - 1/2 (0.343 mi.)	R80	193
Status: Completed - Case Closed Facility Id: 01-2115 Facility Status: Case Closed Global Id: T0600101941 date9: 11/2/1995				
AMARAL SAUSAGE	735 FREMONT	SE 1/4 - 1/2 (0.372 mi.)	T83	196
Status: Completed - Case Closed Facility Id: 01-2136 Facility Status: Leak being confirmed Global Id: T0600101962				
S & S BUILDING SUPPL	701 FREMONT AVE	SE 1/4 - 1/2 (0.378 mi.)	T84	198
Status: Completed - Case Closed Facility Id: 01-1273 Facility Status: Case Closed Global Id: T0600101170				

EXECUTIVE SUMMARY

date9: 1/4/1999					
LARSON BROTHERS LUMB	14200 WASHINGTON AVE	ESE 1/4 - 1/2 (0.379 mi.)	85	202	
Status: Completed - Case Closed					
Facility Id: 01-0881					
Facility Status: Preliminary site assessment underway					
Global Id: T0600100814					
PETERSON TRACTOR COM	955 MARINA BLVD	NW 1/4 - 1/2 (0.410 mi.)	W96	226	
Status: Completed - Case Closed					
Facility Id: 01-1163					
Facility Status: Case Closed					
Global Id: T0600101072					
date9: 7/7/1998					
R.L. STEVENS COMPANY	14273 WASHINGTON AVE	ESE 1/4 - 1/2 (0.420 mi.)	X99	237	
Status: Completed - Case Closed					
Global Id: T0600101191					
SAN LEANDRO RENTAL	14273 WASHINGTON AVE	ESE 1/4 - 1/2 (0.420 mi.)	X100	239	
Facility Id: 01-1295					
Facility Status: Case Closed					
date9: 7/8/1997					
MARINA FOOD MART	2180 ORCHARD AVE	NW 1/4 - 1/2 (0.438 mi.)	W101	241	
Status: Completed - Case Closed					
Global Id: T0600167672					
SAFeway PRESERVES PL	1111 MARINA BLVD	WNW 1/4 - 1/2 (0.451 mi.)	Y103	253	
Status: Completed - Case Closed					
Facility Id: 01-1282					
Facility Status: Case Closed					
Global Id: T0600101179					
date9: 6/28/1996					
MARINA AUTO ELECTRIC	1066 MARINA	WNW 1/4 - 1/2 (0.453 mi.)	Y104	256	
Status: Completed - Case Closed					
Facility Id: 01-2093					
Facility Status: Case Closed					
Global Id: T0600101924					
date9: 7/29/1996					
CHIPMAN CORPORATION	1717 FAIRWAY DR	WSW 1/4 - 1/2 (0.455 mi.)	105	258	
Status: Completed - Case Closed					
Facility Id: 01-0941					
Facility Status: Case Closed					
Global Id: T0600100866					
date9: 8/9/1995					
MORGAN BROTHERS PATI	14305 WASHINGTON	ESE 1/4 - 1/2 (0.469 mi.)	110	272	
Status: Completed - Case Closed					
Facility Id: 01-1968					
Facility Status: Case Closed					
Global Id: T0600101818					
date9: 8/5/2004					
BEACON STATION #720	1088 MARINA BLVD	WNW 1/4 - 1/2 (0.470 mi.)	Y111	273	
Status: Completed - Case Closed					
Facility Id: 01-1526					
Facility Status: Remedial action (cleanup) Underway					
Global Id: T0600101409					
NORTHWEST MOTOR WELD	2100 ORCHARD AVE	NW 1/4 - 1/2 (0.475 mi.)	AB115	291	

EXECUTIVE SUMMARY

Facility Id: 01-1061
 Facility Status: Case Closed
 date: 11/29/1995

NORTHWEST MOTOR WELD **2100 ORCHARD** **NW 1/4 - 1/2 (0.475 mi.)** **AB116** **293**
 Status: Completed - Case Closed
 Global Id: T0600100978

CA SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the CA SLIC list, as provided by EDR, and dated 03/14/2016 has revealed that there are 11 CA SLIC sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OLIVER WIRE AND PLAT Facility Status: Open - Inactive Facility Id: 01S0092 Global Id: SLT2O299190	555 MONTAGUE AVE	N 1/8 - 1/4 (0.147 mi.)	E30	53
PECHINEY PLASTIC PAC Facility Status: Completed - Case Closed Facility Id: 01S0047 Global Id: T0600191478	2450 ALVARADO ST	NW 1/4 - 1/2 (0.253 mi.)	N69	141
SINGER FRIDEN NPDES Facility Status: Completed - Case Closed Global Id: SL0600116443	2411 WASHINGTON AVE.	NNE 1/4 - 1/2 (0.320 mi.)	Q77	189
CINTAS OPERATION # 5 Facility Id: 01S0040	777 139TH AVE	E 1/4 - 1/2 (0.386 mi.)	U88	218
WEAVER PROPERTY Facility Status: Open - Inactive Facility Id: 01S0033 Global Id: SLT2O291182	750 139TH ST	E 1/4 - 1/2 (0.388 mi.)	U90	219
YOKOTA NURSERY, FORM Facility Status: Completed - Case Closed Facility Id: 01S0565 Global Id: SL600192639	467,505, AND517 MARI	NNW 1/4 - 1/2 (0.398 mi.)	91	220
COFFEL PROPERTY - PE Facility Status: Completed - Case Closed Global Id: T06019728631	2144 ALVARADO	NW 1/4 - 1/2 (0.407 mi.)	V93	224
864-866 ESTABROOK ST Facility Status: Completed - Case Closed Global Id: T10000004550	864-866 ESTABROOK ST	NW 1/4 - 1/2 (0.462 mi.)	Z106	261
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TRW Facility Status: Open - Inactive Global Id: SL0600185209	820 ALADDIN AVE	W 0 - 1/8 (0.044 mi.)	C25	39
PETERSON TRACTOR COM Facility Status: Open - Inactive Global Id: T10000008153	955 MARINA BLVD	NW 1/4 - 1/2 (0.410 mi.)	W95	226
FORMER NORTHWEST MOT	2100 ORCHARD AVENUE	NW 1/4 - 1/2 (0.475 mi.)	AB117	294

EXECUTIVE SUMMARY

Facility Status: Open - Inactive
Global Id: T10000008155

CA Alameda County CS: 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).

A review of the CA Alameda County CS list, as provided by EDR, and dated 04/12/2016 has revealed that there are 14 CA Alameda County CS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HUDSON I C S Record Id: RO0000970 Status: Case Closed	400 HUDSON LANE	NNE 1/8 - 1/4 (0.169 mi.)	H40	69
PECHINEY PLASTIC PAC Record Id: RO0000686 Status: Case Closed	2450 ALVARADO ST	NW 1/4 - 1/2 (0.253 mi.)	N69	141
UNOCAL SERVICE STATI Record Id: RO0000562 Status: Case Closed	846 MARINA DR	NW 1/4 - 1/2 (0.404 mi.)	V92	221
COFFEL PROPERTY - PE Record Id: RO0002472 Status: Leak Confirmation Status: Case Closed	2144 ALVARADO	NW 1/4 - 1/2 (0.407 mi.)	V93	224
METAL MENDING Record Id: RO0000973 Status: Case Closed	868 ESTABROOK ST	NW 1/4 - 1/2 (0.462 mi.)	Z107	261
GOLDEN GRAIN Record Id: RO0002724 Status: Case Closed	1111 139TH AVE	ENE 1/4 - 1/2 (0.467 mi.)	AA109	265
Lower Elevation	Address	Direction / Distance	Map ID	Page
BICOASTAL PROPERTIES Record Id: RO0000982 Status: Case Closed	2711 ALVARADO	W 0 - 1/8 (0.011 mi.)	C18	26
295 139TH AVE Record Id: RO0003214 Status: Leak Confirmation	295 139TH AVE	ESE 1/4 - 1/2 (0.286 mi.)	72	167
WESTERN STATES OIL C Record Id: RO0001195 Status: Case Closed	2709 TEAGARDEN ST	WSW 1/4 - 1/2 (0.298 mi.)	O73	169
S & S BUILDING SUPPL Record Id: RO0000826 Status: Case Closed	701 FREMONT AVE	SE 1/4 - 1/2 (0.378 mi.)	T84	198
PETERSON TRACTOR COM Record Id: RO0000941 Status: Case Closed	955 MARINA BLVD	NW 1/4 - 1/2 (0.410 mi.)	W96	226
SAFEWAY PRESERVES PL	1111 MARINA BLVD	WNW 1/4 - 1/2 (0.451 mi.)	Y103	253

EXECUTIVE SUMMARY

Status: No Further Action
Facility Id: 1380001

YOKOTA NURSERY

Status: Refer: RWQCB
Facility Id: 1010011

467 MARINA BOULEVARD N 1/4 - 1/2 (0.411 mi.) 97 230

State and tribal Brownfields sites

CA BROWNFIELDS: A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

A review of the CA BROWNFIELDS list, as provided by EDR, and dated 02/29/2016 has revealed that there is 1 CA BROWNFIELDS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
864-866 ESTABROOK ST	864-866 ESTABROOK ST	NW 1/4 - 1/2 (0.462 mi.)	Z106	261

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CA HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the CA HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there are 5 CA HIST Cal-Sites sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SINGER FRIDEN	2350 AND 2450 WASHIN	NNE 1/4 - 1/2 (0.318 mi.)	P76	174
CINTAS/DEDOMINICO SI	777 139TH AVENUE	E 1/4 - 1/2 (0.386 mi.)	U86	204
DWA PLUME	SAN LEANDRO (GROUNDW	E 1/4 - 1/2 (0.446 mi.)	102	244
CENTURY PLATING COMP	1124 139TH AVENUE	ENE 1/4 - 1/2 (0.475 mi.)	AA114	282
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DANA CORPORATION	2799 MILLER STREET	WSW 1/2 - 1 (0.588 mi.)	AD120	297

Local Lists of Registered Storage Tanks

CA SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the CA SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there

EXECUTIVE SUMMARY

are 11 CA SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TRANSCON LINES Status: A Tank Status: A Comp Number: 46480	601 ALADDIN AVE	NNE 0 - 1/8 (0.010 mi.)	B17	21
EVERGREEN PROGRAM Comp Number: 6980	797 MONTAGUE AVE	NW 1/8 - 1/4 (0.158 mi.)	G34	59
LAWTER CHEMICALS INC Comp Number: 503	595 MONTAGUE AVE	NNW 1/8 - 1/4 (0.159 mi.)	E36	62
HUDSON I C S Comp Number: 65005	400 HUDSON LANE	NNE 1/8 - 1/4 (0.169 mi.)	H41	76
DALCO TRUCK RENTAL Status: A Tank Status: A Comp Number: 59723	2595 ALVARADO ST	NW 1/8 - 1/4 (0.176 mi.)	G42	80
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTERN KRAFT PAPER Status: A Tank Status: A Comp Number: 790	2800 ALVARADO ST	SSW 0 - 1/8 (0.015 mi.)	D21	28
THOMAS OUTDOOR LIGHT Comp Number: 7	2661 ALVARADO STREET	WNW 0 - 1/8 (0.062 mi.)	27	44
CONTINENTAL BAKING C Comp Number: 33289	833 MONTAGUE	WNW 1/8 - 1/4 (0.163 mi.)	G38	66
TEAGARDEN FREIGHT TE Status: A Tank Status: A Comp Number: 67408	3050 TEAGARDEN ST	S 1/8 - 1/4 (0.196 mi.)	J49	94
ALADDIN HEATING CORP Comp Number: 30276	1111 ALADDIN AVE	WSW 1/8 - 1/4 (0.198 mi.)	I52	100
STELLA DIORO BISCUIT Comp Number: 20429	1000 MONTAGUE AVE	W 1/8 - 1/4 (0.236 mi.)	L62	126

CA HIST UST: Historical UST Registered Database.

A review of the CA HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 10 CA HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TRANSCON LINES Facility Id: 00000046480	601 ALADDIN AVE	NNE 0 - 1/8 (0.010 mi.)	B15	19
EVERGREEN PROGRAM	797 MONTAGUE AVE	NW 1/8 - 1/4 (0.158 mi.)	G34	59
HUDSON I C S	400 HUDSON LANE	NNE 1/8 - 1/4 (0.169 mi.)	H40	69
DALCO TRUCK RENTAL Facility Id: 00000059723	2595 ALVARADO ST	NW 1/8 - 1/4 (0.176 mi.)	G43	81
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTERN KRAFT PAPER	2800 ALVARADO ST	SSW 0 - 1/8 (0.015 mi.)	D24	38

EXECUTIVE SUMMARY

Facility Id: 00000000790				
THOMAS OUTDOOR LIGHT	2661 ALVARADO STREET	WNW 0 - 1/8 (0.062 mi.)	27	44
Facility Id: 00000065894				
TEAGARDEN FREIGHT TE	3050 TEAGARDEN ST	S 1/8 - 1/4 (0.196 mi.)	J49	94
ALADDIN HEATING CORP	1111 ALADDIN AVE	WSW 1/8 - 1/4 (0.198 mi.)	I52	100
Facility Id: 00000030276				
Facility Id: 00000066432				
Facility Id: 00000068744				
MONTGOMERY WARD AND	3000 ALVARADO STREET	S 1/8 - 1/4 (0.200 mi.)	K53	108
Facility Id: 0000007037				
STELLA DIORO BISCUIT	1000 MONTAGUE AVE	W 1/8 - 1/4 (0.236 mi.)	L62	126

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 11 CA FID UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TRANSCON LINES	601 ALADDIN AVE	NNE 0 - 1/8 (0.010 mi.)	B17	21
Facility Id: 01001617				
Status: A				
EVERGREEN PROGRAM	797 MONTAGUE AVE	NW 1/8 - 1/4 (0.158 mi.)	G34	59
Facility Id: 01000702				
Status: I				
LAWTER CHEMICALS INC	595 MONTAGUE AVE	NNW 1/8 - 1/4 (0.159 mi.)	E36	62
Facility Id: 01002361				
Status: I				
HUDSON I C S	400 HUDSON LANE	NNE 1/8 - 1/4 (0.169 mi.)	H41	76
Facility Id: 01000907				
Status: I				
DALCO TRUCK RENTAL	2595 ALVARADO ST	NW 1/8 - 1/4 (0.176 mi.)	G42	80
Facility Id: 01003016				
Status: A				
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTERN KRAFT PAPER	2800 ALVARADO ST	SSW 0 - 1/8 (0.015 mi.)	D21	28
Facility Id: 01001950				
Status: A				
THOMAS OUTDOOR LIGHT	2661 ALVARADO STREET	WNW 0 - 1/8 (0.062 mi.)	27	44
Facility Id: 01001888				
Status: I				
CONTINENTAL BAKING C	833 MONTAGUE	WNW 1/8 - 1/4 (0.163 mi.)	G38	66
Facility Id: 01002399				
Status: I				
TEAGARDEN FREIGHT TE	3050 TEAGARDEN ST	S 1/8 - 1/4 (0.196 mi.)	J49	94
Facility Id: 01003020				
Status: A				
ALADDIN HEATING CORP	1111 ALADDIN AVE	WSW 1/8 - 1/4 (0.198 mi.)	I52	100

EXECUTIVE SUMMARY

Facility Id: 01002394
Status: I

STELLA DIORO BISCUIT	1000 MONTAGUE AVE	W 1/8 - 1/4 (0.236 mi.)	L62	126
Facility Id: 01001539				
Status: I				

Local Land Records

CA 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 CA DEED list, as provided by EDR, and dated 03/07/2016 has revealed that there are 3 CA DEED sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HUDSON I C S Status: CERTIFIED / OPERATION & MAINTENANCE Envirostor ID: 1240035	400 HUDSON LANE	NNE 1/8 - 1/4 (0.169 mi.)	H40	69
CONTAS CORP. Status: OPEN - VERIFICATION MONITORING Status: CERTIFIED / OPERATION & MAINTENANCE Envirostor ID: T0600101726 Envirostor ID: 1890017	777 139TH AVE	E 1/4 - 1/2 (0.386 mi.)	U87	212
YOKOTA NURSERY, FORM Status: COMPLETED - CASE CLOSED Envirostor ID: SL600192639	467,505, AND 517 MARI	NNW 1/4 - 1/2 (0.398 mi.)	91	220

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 12/09/2015 has revealed that there are 3 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FEDEX NATIONAL LTL S	549 MONTAGUE AVE	N 1/8 - 1/4 (0.144 mi.)	E29	51
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANIXTER, INC	1050 ALADDIN AVE	WSW 1/8 - 1/4 (0.180 mi.)	I45	88
SCANDIC SPRINGS INC	901 MONTAGUE AVE	WNW 1/8 - 1/4 (0.181 mi.)	G46	90

EXECUTIVE SUMMARY

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 are 2 CA BOND EXP. PLAN sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ONE HUNDRED THIRTY-N	750 139TH STREET	E 1/4 - 1/2 (0.388 mi.)	U89	219
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FACTOR AVENUE PLUME	1465 FACTOR AVENUE	SW 1/2 - 1 (0.537 mi.)	AC119	296

CA 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 (Cal-Sites).

A review of the CA Cortese list, as provided by EDR, and dated 03/28/2016 has revealed that there are 3 CA Cortese sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SINGER FRIDEN Envirostor Id: 1360094 Cleanup Status: CERTIFIED / OPERATION & MAINTENANCE	2350 AND 2450 WASHIN	NNE 1/4 - 1/2 (0.318 mi.)	P76	174
CONTAS CORP. Envirostor Id: 1890017 Cleanup Status: CERTIFIED / OPERATION & MAINTENANCE - LAND USE RESTRICTIONS	777 139TH AVE	E 1/4 - 1/2 (0.386 mi.)	U87	212
DWA PLUME Envirostor Id: 1990002 Cleanup Status: ACTIVE	SAN LEANDRO (GROUNDW	E 1/4 - 1/2 (0.446 mi.)	102	244

CA HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CAL SITES]. This listing is no longer updated by the state agency.

A review of the CA HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 37 CA HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TRANSCON LINES Reg Id: 01-1498	601 ALADDIN AVE	NNE 0 - 1/8 (0.010 mi.)	B17	21
VAN BOKKELEN & SONS Reg Id: 01-1631	688 - 700 MONTAGUE A	NNW 1/8 - 1/4 (0.151 mi.)	F31	55
EVERGREEN Reg Id: 01-0578	797 MONTAGUE AVE	NW 1/8 - 1/4 (0.158 mi.)	G35	60
HUDSON I C S Reg Id: 01-0784 Reg Id: 01240035	400 HUDSON LANE	NNE 1/8 - 1/4 (0.169 mi.)	H40	69
PECHINEY PLASTIC PAC Reg Id: 01-2129	2450 ALVARADO ST	NW 1/4 - 1/2 (0.253 mi.)	N69	141
LEASEWAY TRANSPORTAT	2366 ALVARADO STREET	NW 1/4 - 1/2 (0.305 mi.)	N74	172

EXECUTIVE SUMMARY

Reg Id: 01-1154				
SINGER FRIDEN	2350 AND 2450 WASHIN	NNE 1/4 - 1/2 (0.318 mi.)	P76	174
Reg Id: 01360094				
CONTAS CORP.	777 139TH AVE	E 1/4 - 1/2 (0.386 mi.)	U87	212
Reg Id: 01890017				
Reg Id: 01-1863				
UNOCAL SERVICE STATI	846 MARINA DR	NW 1/4 - 1/2 (0.404 mi.)	V92	221
Reg Id: 01-1614				
SPENCER NAHM CO	620 MARINA BLVD	NNW 1/4 - 1/2 (0.415 mi.)	98	234
Reg Id: 01-1868				
METAL MENDING	868 ESTABROOK ST	NW 1/4 - 1/2 (0.462 mi.)	Z107	261
Reg Id: 01-2164				
SERVICE PLASTERING,	1090 139TH AVE	ENE 1/4 - 1/2 (0.465 mi.)	AA108	263
Reg Id: 01-1321				
GOLDEN GRAIN	1111 139TH AVE	ENE 1/4 - 1/2 (0.467 mi.)	AA109	265
Reg Id: 01-0709				
CENTURY PLATING COMP	1124 139TH AVENUE	ENE 1/4 - 1/2 (0.475 mi.)	AA114	282
Reg Id: 01340040				
Lower Elevation	Address	Direction / Distance	Map ID	Page
BICOASTAL PROPERTIES	2711 ALVARADO	W 0 - 1/8 (0.011 mi.)	C18	26
Reg Id: 01-0205				
GEORGIA PACIFIC CORR	2800 ALVARADO ST	SSW 0 - 1/8 (0.015 mi.)	D23	34
Reg Id: 01-2122				
RAINBO DISTRIBUTORS	828 MONTAGUE	WNW 1/8 - 1/4 (0.156 mi.)	G32	57
Reg Id: 01-2137				
CONTINENTAL BAKING C	833 MONTAGUE	WNW 1/8 - 1/4 (0.163 mi.)	G39	67
Reg Id: 01-1972				
ALADDIN HEATING CORP	1111 ALADDIN AVE	WSW 1/8 - 1/4 (0.198 mi.)	I52	100
Reg Id: 01-1923				
MONTGOMERY WARD	3000 ALVARADO	S 1/8 - 1/4 (0.200 mi.)	K55	109
Reg Id: 01-1013				
NOVA INDUSTRIES INCO	999 MONTAGUE AVENUE	WNW 1/8 - 1/4 (0.221 mi.)	L59	115
Reg Id: 2556				
MARATHON PACKING COR	1000 MONTAGUE ST	W 1/8 - 1/4 (0.236 mi.)	L63	127
Reg Id: 01-1425				
S.L.U.S.D.	1145 ALADDIN AVE	WSW 1/4 - 1/2 (0.258 mi.)	O70	162
Reg Id: 01-1296				
WESTERN STATES OIL C	2709 TEAGARDEN ST	WSW 1/4 - 1/2 (0.298 mi.)	O73	169
Reg Id: 01-0685				
WELLS FARGO BANK	1188 MONTAGUE	W 1/4 - 1/2 (0.321 mi.)	R79	192
Reg Id: 01-1925				
WELLS FARGO BANK	2500 TEAGARDEN	W 1/4 - 1/2 (0.343 mi.)	R80	193
Reg Id: 01-2115				
AMARAL SAUSAGE	735 FREMONT	SE 1/4 - 1/2 (0.372 mi.)	T83	196
Reg Id: 01-2136				
S & S BUILDING SUPPL	701 FREMONT AVE	SE 1/4 - 1/2 (0.378 mi.)	T84	198

EXECUTIVE SUMMARY

Reg Id: 01-1273				
LARSON BROTHERS LUMB	14200 WASHINGTON AVE	ESE 1/4 - 1/2 (0.379 mi.)	85	202
Reg Id: 01-0881				
PETERSON TRACTOR COM	955 MARINA BLVD	NW 1/4 - 1/2 (0.410 mi.)	W96	226
Reg Id: 01-1163				
R.L. STEVENS COMPANY	14273 WASHINGTON AVE	ESE 1/4 - 1/2 (0.420 mi.)	X99	237
Reg Id: 01-1295				
SAFeway PRESERVES PL	1111 MARINA BLVD	WNW 1/4 - 1/2 (0.451 mi.)	Y103	253
Reg Id: 01-1282				
MARINA AUTO ELECTRIC	1066 MARINA	WNW 1/4 - 1/2 (0.453 mi.)	Y104	256
Reg Id: 01-2093				
CHIPMAN CORPORATION	1717 FAIRWAY DR	WSW 1/4 - 1/2 (0.455 mi.)	105	258
Reg Id: 01-0941				
MORGAN BROTHERS PATI	14305 WASHINGTON	ESE 1/4 - 1/2 (0.469 mi.)	110	272
Reg Id: 01-1968				
BEACON STATION #720	1088 MARINA BLVD	WNW 1/4 - 1/2 (0.470 mi.)	Y111	273
Reg Id: 01-1526				
NORTHWEST MOTOR WELD	2100 ORCHARD	NW 1/4 - 1/2 (0.475 mi.)	AB116	293
Reg Id: 01-1061				

CA HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the CA HWP list, as provided by EDR, and dated 02/22/2016 has revealed that there is 1 CA HWP site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LIQUID GOLD OIL CORP	1696 MARTINEZ ST	NNW 1/2 - 1 (0.778 mi.)	125	306
EPA Id: CAT080013923				
Cleanup Status: KNOWN GENERATORS				

CA Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the CA Notify 65 list, as provided by EDR, and dated 09/10/2015 has revealed that there are 8 CA Notify 65 sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TRANSCON LINES	601 ALADIN AVENUE	NNE 0 - 1/8 (0.010 mi.)	B14	19
VAN BOKKELEN & SONS	688 - 700 MONTAGUE A	NNW 1/8 - 1/4 (0.151 mi.)	F31	55
HUDSON I C S	400 HUDSON LANE	NNE 1/8 - 1/4 (0.169 mi.)	H40	69
SINGER-FRIDEN SITE	2350 WASHINGTON AVE	NNE 1/4 - 1/2 (0.363 mi.)	S81	196
SINGER - FRIDEN SITE	2350 WASHINGTON AVE	NNE 1/4 - 1/2 (0.363 mi.)	S82	196
SAFeway PRESERVES PL	111 MARINA	N 1/4 - 1/2 (0.474 mi.)	112	280
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GM TRAINING CENTER	1444 MARINA	WNW 1/2 - 1 (0.594 mi.)	121	298
INGERSOLL-RAND EQUIP	1944 MARINA BOULEVAR	W 1/2 - 1 (0.987 mi.)	128	316

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 2 EDR Hist Auto sites within approximately 0.125 miles of the target property.

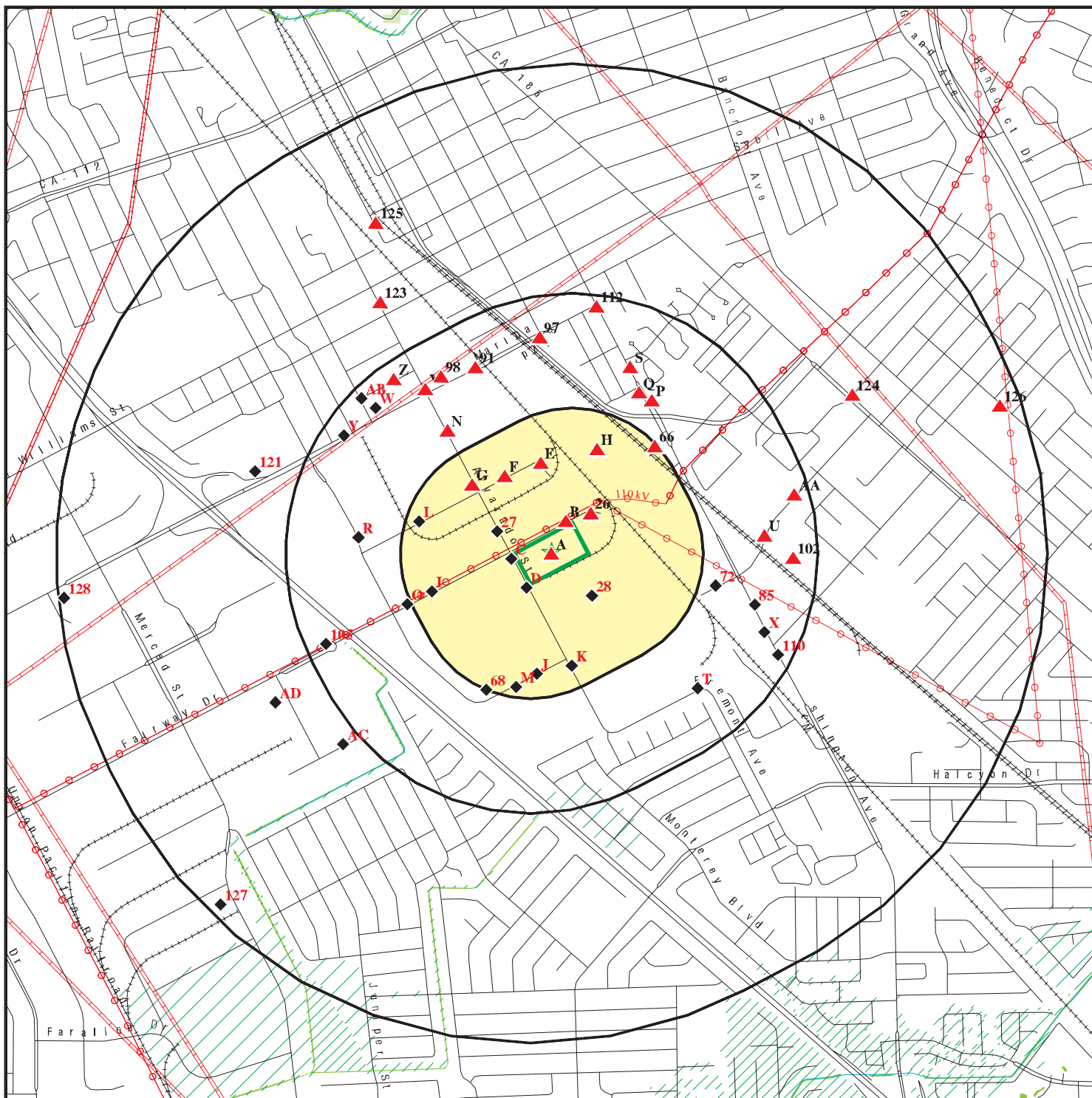
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	2777 ALVARADO ST	SW 0 - 1/8 (0.012 mi.)	C19	27
Not reported	2823 ALVARADO ST	SW 0 - 1/8 (0.012 mi.)	D20	28

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 6 records.

<u>Site Name</u>	<u>Database(s)</u>
MARINA DSPL SITE	SEMS-ARCHIVE
TONY LEMA GOLF COURSE LDFL	SEMS-ARCHIVE
SAN LEANDRO INVESTORS GROUP	CA SLIC
SAN LEANDRO INVESTORS GROUP	CA SLIC
TURK ISLAND	CA ENVIROSTOR
MARINA DISPOSAL SITE	CA ENVIROSTOR

OVERVIEW MAP - 4654092.2S



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

Indian Reservations BIA

Power transmission lines

Pipelines

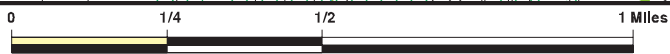
100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

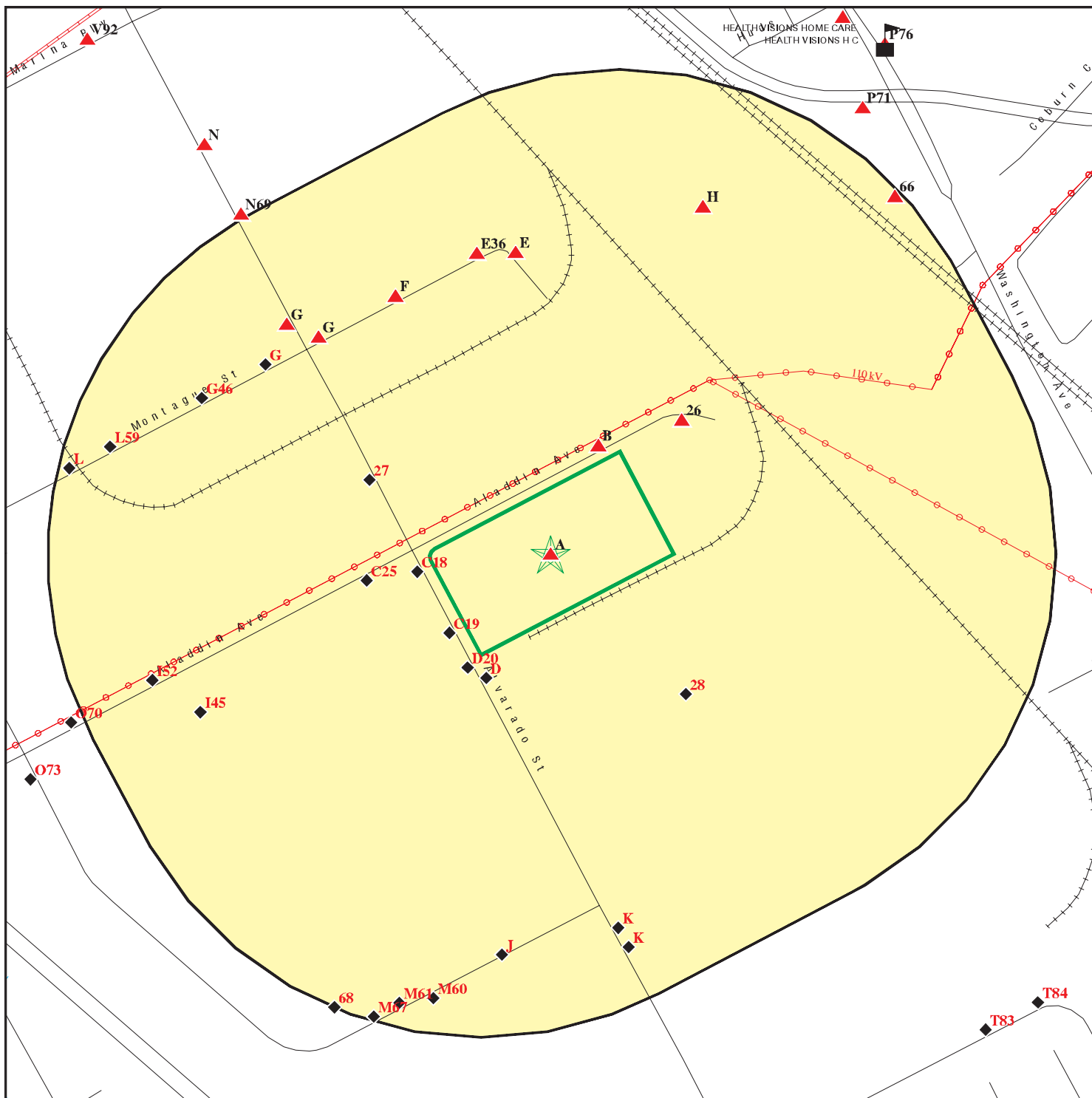


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 2756 Alvarado Street
 ADDRESS: 2756 Alvarado Street
 San Leandro CA 94577
 LAT/LONG: 37.709106 / 122.152919

CLIENT: WSP Parsons Brinckerhoff
 CONTACT: Stephanie Lee
 INQUIRY #: 4654092.2s
 DATE: June 22, 2016 10:04 am

DETAIL MAP - 4654092.2S



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

Areas of Concern

Power transmission lines

Pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

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: 2756 Alvarado Street
 ADDRESS: 2756 Alvarado Street
 San Leandro CA 94577
 LAT/LONG: 37.709106 / 122.152919

CLIENT: WSP Parsons Brinckerhoff
 CONTACT: Stephanie Lee
 INQUIRY #: 4654092.2s
 DATE: June 22, 2016 10:06 am

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								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	1	2	NR	NR	3
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	1	NR	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	2	NR	NR	NR	2
RCRA-SQG	0.250	1	1	15	NR	NR	NR	17
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
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
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
CA RESPONSE	1.000	1	2	0	4	2	NR	9
<i>State- and tribal - equivalent CERCLIS</i>								
CA ENVIROSTOR	1.000	1	2	1	8	7	NR	19
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
CA SWF/LF	0.500		2	0	0	NR	NR	2
<i>State and tribal leaking storage tank lists</i>								
CA LUST	0.500		3	13	27	NR	NR	43

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CA SLIC	0.500	1	1	1	9	NR	NR	12
CA Alameda County CS	0.500		1	1	12	NR	NR	14
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
CA UST	0.250		0	1	NR	NR	NR	1
CA AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
CA VCP	0.500		0	1	2	NR	NR	3
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
CA BROWNFIELDS	0.500		0	0	1	NR	NR	1
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
CA WMUDS/SWAT	0.500		0	0	0	NR	NR	0
CA SWRCY	0.500		0	0	0	NR	NR	0
CA HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
CA HIST Cal-Sites	1.000	1	0	0	4	1	NR	6
CA SCH	0.250		0	0	NR	NR	NR	0
CA CDL	TP		NR	NR	NR	NR	NR	0
CA Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA SWEEPS UST	0.250		3	8	NR	NR	NR	11
CA HIST UST	0.250		3	7	NR	NR	NR	10
CA FID UST	0.250		3	8	NR	NR	NR	11
Local Land Records								
CA LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
CA DEED	0.500		0	1	2	NR	NR	3
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA CHMIRS	TP		NR	NR	NR	NR	NR	0
CA LDS	TP		NR	NR	NR	NR	NR	0
CA MCS	TP		NR	NR	NR	NR	NR	0
CA SPILLS 90	TP	1	NR	NR	NR	NR	NR	1
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	3	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	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP	2	NR	NR	NR	NR	NR	2
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP	2	NR	NR	NR	NR	NR	2
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
CA BOND EXP. PLAN	1.000		0	0	1	1	NR	2
CA Cortese	0.500		0	0	3	NR	NR	3
CA CUPA Listings	0.250		0	0	NR	NR	NR	0
CA DRYCLEANERS	0.250		0	0	NR	NR	NR	0
CA EMI	TP	1	NR	NR	NR	NR	NR	1
CA ENF	TP		NR	NR	NR	NR	NR	0
CA Financial Assurance	TP		NR	NR	NR	NR	NR	0
CA HAZNET	TP	4	NR	NR	NR	NR	NR	4
CA HIST CORTESE	0.500		3	9	25	NR	NR	37
CA HWP	1.000		0	0	0	1	NR	1
CA HWT	0.250		0	0	NR	NR	NR	0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1 **UNITED STATES CAN COMPANY**
Target **2756 ALVARADO ST**
Property **SAN LEANDRO, CA 94577**

HIST FTTS **1008191595**
N/A

Site 1 of 13 in cluster A

Actual:
42 ft.

HIST FTTS:
Case Number: Not reported
Docket Number: EPCRA09-89-0001
Complaint Issue Date: 12/16/1988
Abatement Amount: 0.0000
Proposed Penalty: 34000.0000
Final Assessment: 30000.0000
Final Order Date: 07/30/1989
Close Date: / /
Violations(s): EPCRA, Nonreporting/Failure to RPT to EPA

A2 **U S MARSHAL SVC**
Target **2756 ALVARADO A B**
Property **SAN LEANDRO, CA 94577**

CA HAZNET **S113170062**
N/A

Site 2 of 13 in cluster A

Actual:
42 ft.

HAZNET:
envid: S113170062
Year: 1998
GEPaid: CAP000035543
Contact: W PACIFIC TRADING CO
Telephone: 5105551212
Mailing Name: Not reported
Mailing Address: 450 GOLDEN GATE AVE 20TH FL
Mailing City,St,Zip: SAN FRANCISCO, CA 941020000
Gen County: Not reported
TSD EPA ID: CAD000088252
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Tons: 4.2140
Cat Decode: Other inorganic solid waste
Method Decode: Transfer Station
Facility County: 1

A3 **UNITED STATES CAN CO**
Target **2756 ALVARADO ST**
Property **SAN LEANDRO, CA 94577**

RCRA-SQG **1000167843**
CAD009133117

Site 3 of 13 in cluster A

Actual:
42 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: UNITED STATES CAN CO
Facility address: 2756 ALVARADO ST
SAN LEANDRO, CA 94577
EPA ID: CAD009133117
Mailing address: PO BOX 695
SAN LEANDRO, CA 94577
Contact: Not reported
Contact address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNITED STATES CAN CO (Continued)

1000167843

Contact country: Not reported
Contact telephone: US
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, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 07/11/1980
Site name: UNITED STATES CAN CO
Classification: Large Quantity Generator

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A4
Target
Property
US CAN COMPANY
2756 ALVARADO STREET
SAN LEANDRO, CA 94577

CA SLIC **S112859390**
CA HAZNET **N/A**

Site 4 of 13 in cluster A

Actual:
42 ft.

SLIC:
Region: STATE
Facility Status: **Open - Inactive**
Status Date: 11/12/2015
Global Id: T10000007962
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number: Not reported
Latitude: 37.70898
Longitude: -122.153
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 01NBT0191
File Location: Regional Board
Potential Media Affected: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: 1,1,1-Trichloroethane (TCA), Dichloroethene (DCE), Tetrachloroethylene (PCE)
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

HAZNET:
envid: S112859390
Year: 1994
GEPaid: CAC001006848
Contact: UNITED STATES CAN COMPANY
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 900 COMMERCE DRIVE
Mailing City,St,Zip: OAK BROOK, IL 605210000
Gen County: Not reported
TSD EPA ID: CAL000027741
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 4.2140
Cat Decode: Asbestos containing waste
Method Decode: Disposal, Land Fill
Facility County: 1

A5
Target
Property
SHERWIN-WILLIAMS CO#
2756 ALVARADO ST
SAN LEANDRO, CA 94577

CA HAZNET **S112999635**
N/A

Site 5 of 13 in cluster A

Actual:
42 ft.

HAZNET:
envid: S112999635
Year: 1994
GEPaid: CAD009133117
Contact: THE SHERWIN-WILLIAMS COMPANY
Telephone: 0000000000
Mailing Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHERWIN-WILLIAMS CO# (Continued)

S112999635

Mailing Address: PO BOX 695
Mailing City,St,Zip: SAN LEANDRO, CA 945770000
Gen County: Not reported
TSD EPA ID: CAL000027741
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 33.7120
Cat Decode: Asbestos containing waste
Method Decode: Disposal, Land Fill
Facility County: 1

envid: S112999635
Year: 1994
GEPaid: CAD009133117
Contact: THE SHERWIN-WILLIAMS COMPANY
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: PO BOX 695
Mailing City,St,Zip: SAN LEANDRO, CA 945770000
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Polychlorinated biphenyls and material containing PCBs
Disposal Method: Not reported
Tons: .7163
Cat Decode: Polychlorinated biphenyls and material containing PCBs
Method Decode: Not reported
Facility County: 1

envid: S112999635
Year: 1994
GEPaid: CAD009133117
Contact: THE SHERWIN-WILLIAMS COMPANY
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: PO BOX 695
Mailing City,St,Zip: SAN LEANDRO, CA 945770000
Gen County: Not reported
TSD EPA ID: CAL000027741
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Not reported
Tons: 4.2140
Cat Decode: Asbestos containing waste
Method Decode: Not reported
Facility County: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A6 **US CAN COMPANY**
Target **2756 ALVARADO ST**
Property **SAN LEANDRO, CA 94577**

CA SPILLS 90 **S112285868**
N/A

Site 6 of 13 in cluster A

Actual:
42 ft.

Spills:
Status: INACTIVE
Contact Name: Not reported
Contact Phone: Not reported
Site ID: SLC201S0191
Secondary ID: Not reported
Cross Street: Not reported
County: ALAMEDA
Longitude: -122152821
Latitude: 37708994
Elevation: 36

Last Agency Update: 8/2/89
Staff: CTH
Status: INACTIVE
Facility Description: Not reported
Status: INACTIVE
Comment: Not reported
Npl Site: NOT AN NPL SITE
Is This A Leaking Underground Tank
NON TANK

Date Disclosed: Not reported
Contamination Source: Not reported
Sample Date: Not reported
Lead: RWQCB
Of Municipal Wells: 0
Of Private Wells: 0
Agency Comments: Not reported
Soil Remediation: Not reported
Date Soil Removal Or Containment Action Started
Was Onsite Groundwater Extraction Or Containment Action Needed At Site
Date On-Site Gw Extraction Or Containment Action Was Started Or Is Due
To Start
Was Off-Site Groundwater Extraction Or Containment Action Needed
Date Off-Site Gw Extraction Or Containment Action Was Started Or Is
Due To Start
Most Current Estimate In Gpm S Of The Rate Of Gw Extraction
0
Most Recent Date Gw Extraction Flow Rate Was Monitored
Estimated % Of Contaminants Contained &
Contamination Plume Length (In Feet)
0
Contamination Plume Depth (In Feet)
0
Contamination Level If Any Of The Nearest Drinking Water Well
Wells Closed Due To Contamination From The Site
Not reported
Date Of Well Closures: Not reported
Distance To Nearest Public Or Private Drinking Water Well To Site (In
Feet)
0
Latitude & Longitude Provided By Facility
37.708096-122.152627
Date Site Name Under Preview By Lead Agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A7 **UNITED STATES CAN COMPANY**
Target **2756 ALVAREDO ST**
Property **SAN LEANDRO, CA 94577**

HIST FTTS **1008191596**
N/A

Site 7 of 13 in cluster A

Actual:
42 ft.

A8 **NOEL YI**
Target **2756 ALVARADO ST**
Property **SAN LEANDRO, CA 94577**

CA HAZNET **S112856829**
N/A

Site 8 of 13 in cluster A

Actual:
42 ft.

HAZNET:
envid: S112856829
Year: 1994
GEPaid: CAC000964944
Contact: NOEL YI
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 2756 ALVARADO ST
Mailing City,St,Zip: SAN LEANDRO, CA 945770000
Gen County: Not reported
TSD EPA ID: CAL000027741
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 33.7120
Cat Decode: Asbestos containing waste
Method Decode: Disposal, Land Fill
Facility County: 1

A9 **U. S. CAN COMPANY SITE**
Target **2756 ALVARADO STREET**
Property **SAN LEANDRO, CA 94577**

CA RESPONSE **S102002464**
CA ENVIROSTOR **N/A**
CA HIST Cal-Sites
CA EMI

Site 9 of 13 in cluster A

Actual:
42 ft.

AWP:
AWP Facility ID: 01340117
Region Code: 2
Region: BERKELEY
SMBR Branch Code: NC
SMBR Branch Unit: NORTH COAST
Site Name.: Not reported
Current Status Date: 05091996
Current Status: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency Code: DTSC
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
Facility Type: responsible party
Awp Site Type: RESPONSIBLE PARTY
NPL: Not Listed
Tier Of AWP Site: Not reported
Source Of Funding: C
Responsible Staff Member: JRANDENI
Supervisor Responsible: Not reported
SIC Code: 34

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

U. S. CAN COMPANY SITE (Continued)

S102002464

Facility SIC: MANU - FABRICATED METAL PRODUCTS
RWQCB Code: SF
RWQCB Associated With Site: SAN FRANCISCO BAY
Site Access Controlled: Controlled
Site Listed HWS List: Not reported
Hazard Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Confirmed
Of Contamination Sources: 0
Lat/Long: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Description Of Entity: Not reported
State Assembly Distt Code: 18
State Senate District: 10

RESPONSE:

Facility ID: 1340117
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 7
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Jayantha Randeni
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Site Code: 200688
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 18
Senate: 09
Special Program Status: Not reported
Status: No Further Action
Status Date: 05/31/2006
Restricted Use: NO
Funding: Responsible Party
Latitude: 37.70910
Longitude: -122.1529
APN: 77B-800-14
Past Use: MANUFACTURING - OTHER
Potential COC : Tetrachloroethylene (PCE Trichloroethylene (TCE 1,2-Dichloroethylene (cis
Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE 1,2-Dichloroethylene (cis
Potential Description: OTH
Alias Name: Not reported
Alias Type: Not reported

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

U. S. CAN COMPANY SITE (Continued)

S102002464

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: 1340117
Status: No Further Action
Status Date: 05/31/2006
Site Code: 200688
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 7
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Jayantha Randeni
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Assembly: 18
Senate: 09
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 37.70910
Longitude: -122.1529
APN: 77B-800-14
Past Use: MANUFACTURING - OTHER
Potential COC: Tetrachloroethylene (PCE Trichloroethylene (TCE 1,2-Dichloroethylene (cis
Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE 1,2-Dichloroethylene (cis
Potential Description: OTH
Alias Name: Not reported
Alias Type: Not reported

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

U. S. CAN COMPANY SITE (Continued)

S102002464

Calsite:
Region: BERKELEY
Facility ID: 01340117
Facility Type: RP
Type: RESPONSIBLE PARTY
Branch: NC
Branch Name: NORTH COAST
File Name: Not reported
State Senate District: 05091996
Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not Listed
SIC Code: 34
SIC Name: MANU - FABRICATED METAL PRODUCTS
Access: Controlled
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Confirmed
Staff Member Responsible for Site: JRANDENI
Supervisor Responsible for Site: Not reported
Region Water Control Board: SF
Region Water Control Board Name: SAN FRANCISCO BAY
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: Not reported
State Assembly District Code: 18
State Senate District Code: 10
Facility ID: 01340117
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: I&SE
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 04191996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Alternate Address: 2756 ALVARADO STREET
Alternate City,St,Zip: SAN LEANDRO, CA 94577
Background Info: The site consists of a 130,000 square foot building on 7 acres

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

U. S. CAN COMPANY SITE (Continued)

S102002464

of land. In 1957, Sherwin-Williams manufactured metal cans and containers. Solvents were used as part of that process. In 1983, the facility was sold to U. S. Can Company, who continued to use the same processes to manufacture metal cans and containers. U.S. Can Company added an aerosol can manufacturing operation. The manufacturing facility closed in 1989. The building is used for warehousing. Investigations found that both the soil and groundwater at the Site were contaminated with dichloroethane, dichloroethylene, and tetrachloroethylene. A limited soil hot spot was removed and a sump was closed in place. The site is located within a regional groundwater plume located in Central San Leandro. Groundwater contamination will be addressed as part of the regional plume (see site ID 01990002).

Comments Date: 04191996
Comments: Issued I&SE Order to three Responsible Parties. The current
Comments Date: 04191996
Comments: owners, Mr. & Mrs. Noel Yi; and past owner/operators, US Can
Comments Date: 04191996
Comments: Company and the Sherwin Williams Company. The order requires
Comments Date: 04191996
Comments: investigation of the site which is within the San Leandro Plume.
ID Name: EPA IDENTIFICATION NUMBER
ID Value: CAD009133117
ID Name: CALSTARS CODE
ID Value: 200688
Alternate Name: U. S. CAN COMPANY SITE
Special Programs Code: Not reported
Special Programs Name: Not reported

EMI:

Year: 1987
County Code: 1
Air Basin: SF
Facility ID: 1386
Air District Name: BA
SIC Code: 3411
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 93
Reactive Organic Gases Tons/Yr: 80
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

A10 UNITED STATES CAN COMPANY
Target 2756 ALVARADO
Property SAN LEANDRO, CA 92584

CA Notify 65 S118152750
N/A

Site 10 of 13 in cluster A

Actual: NOTIFY 65:
42 ft. Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNITED STATES CAN COMPANY (Continued)

S118152750

Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

**A11
Target
Property**

**U.S. CAN CO. SAN LEANDRO PLANT #3
2756 ALVARADO STREET
SAN LEANDRO, CA 94577**

**FINDS 1016070244
ECHO N/A**

Site 11 of 13 in cluster A

**Actual:
42 ft.**

FINDS:

Registry ID: 110002147105

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.

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

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.

ECHO:

Envid: 1016070244
Registry ID: 110002147105
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002147105

MAP FINDINGS

Map ID			
Direction			
Distance			
Elevation	Site	Database(s)	EDR ID Number EPA ID Number

A12	UNITED STATES CAN COMPANY	FTTS	1010011109
Target	2756 ALVAREDO ST		N/A
Property	SAN LEANDRO, CA 94577		

Site 12 of 13 in cluster A

Actual:
42 ft.

A13	UNITED STATES CAN COMPANY	FTTS	1010011108
Target	2756 ALVARADO ST		N/A
Property	SAN LEANDRO, CA 94577		

Site 13 of 13 in cluster A

Actual:
42 ft.

FTTS:

Case Number:	Not reported
Docket Number:	EPCRA09-89-0001
Complaint Issue Date:	12/16/88
Abatement Amount:	0.0000
Proposed Penalty:	34000.0000
Final Assessment:	30000.0000
Final Order Date:	07/30/89
Close Date:	/ /
Violations(s):	EPCRA, Nonreporting/Failure to RPT to EPA

B14	TRANSCON LINES	CA Notify 65	U000056606
NNE	601 ALADIN AVENUE		N/A
< 1/8	SAN LEANDRO, CA 92584		

0.010 mi.
54 ft.

Site 1 of 4 in cluster B

Relative:
Higher

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported

Actual:
43 ft.

B15	TRANSCON LINES	CA HIST UST	U001598486
NNE	601 ALADDIN AVE		N/A
< 1/8	SAN LEANDRO, CA 94577		

0.010 mi.
54 ft.

Site 2 of 4 in cluster B

Relative:
Higher

HIST UST:

File Number:	000363F8
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000363F8.pdf
Region:	STATE
Facility ID:	00000046480
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	MIKE SHELDON
Telephone:	4153522440
Owner Name:	TRANSCON LINES

Actual:
43 ft.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

TRANSCON LINES (Continued)

U001598486

Owner Address: 101 CONTINENTAL BLVD.
 Owner City,St,Zip: EL SEGUNDO, CA 90245
 Total Tanks: 0003

Tank Num: 001
 Container Num: GASOLINE-3
 Year Installed: Not reported
 Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Container Construction Thickness: Not reported
 Leak Detection: Visual

Tank Num: 002
 Container Num: DIESEL-#2
 Year Installed: Not reported
 Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Container Construction Thickness: Not reported
 Leak Detection: Visual

Tank Num: 003
 Container Num: DIESEL-#1
 Year Installed: Not reported
 Tank Capacity: 00008000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Container Construction Thickness: Not reported
 Leak Detection: Visual

[Click here for Geo Tracker PDF:](#)

B16
NNE
< 1/8
0.010 mi.
54 ft.

ACI BULKY ITEM SORTING & STORAGE OP.
601 ALLADIN AVE.
SAN LEANDRO, CA
Site 3 of 4 in cluster B

CA SWF/LF S118099932
N/A

Relative:
Higher

SWF/LF (SWIS):
 Region: STATE
 Facility ID: 01-AA-0319
 Lat/Long: 37.710750 / -122.15159
 Owner Name: The Alladin Depot
 Owner Telephone: 5103933939
 Owner Address: Bob Battinich
 Owner Address2: 577 Alladin Ave.
 Owner City,St,Zip: San Leandro, CA 94577
 Operational Status: Active
 Operator: Alameda County Industries
 Operator Phone: 5103757282
 Operator Address: Louie Pellegrini, Jr.
 Operator Address2: 610 Aladdin Avenue
 Operator City,St,Zip: San Leandro, CA 49577-4302
 Permit Date: 07/15/2015
 Permit Status: Notification
 Permitted Acreage: \$0.40
 Activity: Limited Volume Transfer Operation

Actual:
43 ft.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ACI BULKY ITEM SORTING & STORAGE OP. (Continued)

S118099932

Regulation Status: Notification
 Landuse Name: Not reported
 GIS Source: Map
 Category: Transfer/Processing
 Unit Number: 01
 Inspection Frequency: Quarterly
 Accepted Waste: Other designated,Other hazardous,Tires
 Closure Date: Not reported
 Closure Type: Not reported
 Disposal Acreage: Not reported
 SWIS Num: 01-AA-0319
 Waste Discharge Requirement Num: Not reported
 Program Type: Not reported
 Permitted Throughput with Units: 2
 Actual Throughput with Units: Tons/day
 Permitted Capacity with Units: 650
 Remaining Capacity: Not reported
 Remaining Capacity with Units: Tons/year
 Lat/Long: 37.710750 / -122.15159

B17
NNE
 < 1/8
 0.010 mi.
 54 ft.

TRANSCON LINES
601 ALADDIN AVE
SAN LEANDRO, CA 94577

Site 4 of 4 in cluster B

CA RESPONSE
CA ENVIROSTOR
CA LUST
CA SWEEPS UST
CA FID UST
CA HIST CORTESE

S101630334
N/A

Relative:
Higher

RESPONSE:

Actual:
 43 ft.

Facility ID: 1470004
 Site Type: State Response
 Site Type Detail: State Response or NPL
 Acres: 8.6
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP
 Lead Agency Description: DTSC - Site Cleanup Program
 Project Manager: Jayantha Randeni
 Supervisor: Karen Toth
 Division Branch: Cleanup Berkeley
 Site Code: 201017
 Site Mgmt. Req.: NONE SPECIFIED
 Assembly: 18
 Senate: 09
 Special Program Status: Not reported
 Status: No Further Action
 Status Date: 03/13/2002
 Restricted Use: NO
 Funding: Responsible Party
 Latitude: 37.71088
 Longitude: -122.1522
 APN: 077A-0650-002-10, 077A-0650-003-12
 Past Use: FUEL - VEHICLE STORAGE/ REFUELING, VEHICLE MAINTENANCE
 Potential COC : Tetrachloroethylene (PCE Trichloroethylene (TCE
 Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
 Potential Description: OTH, SOIL
 Alias Name: Not reported
 Alias Type: Not reported

Completed Info:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRANSCON LINES (Continued)

S101630334

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

ENVIROSTOR:

Facility ID: 1470004
Status: No Further Action
Status Date: 03/13/2002
Site Code: 201017
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 8.6
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Jayantha Randeni
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Assembly: 18
Senate: 09
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 37.71088
Longitude: -122.1522
APN: 077A-0650-002-10, 077A-0650-003-12
Past Use: FUEL - VEHICLE STORAGE/ REFUELING, VEHICLE MAINTENANCE
Potential COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description: OTH, SOIL
Alias Name: Not reported
Alias Type: Not reported

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRANSCON LINES (Continued)

S101630334

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:

Region: STATE
Global Id: T0600101383
Latitude: 37.7091429
Longitude: -122.1545797
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 03/22/2001
Lead Agency: SAN LEANDRO, CITY OF
Case Worker: UNK
Local Agency: SAN LEANDRO, CITY OF
RB Case Number: 01-1498
LOC Case Number: 01-1498
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0600101383
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0600101383
Contact Type: Local Agency Caseworker
Contact Name: UNK
Organization Name: SAN LEANDRO, CITY OF
Address: Not reported
City: r2 UNKNOWN
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600101383
Status: Completed - Case Closed
Status Date: 03/22/2001

Global Id: T0600101383
Status: Open - Case Begin Date
Status Date: 05/03/1989

Global Id: T0600101383
Status: Open - Site Assessment
Status Date: 06/07/1989

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRANSCON LINES (Continued)

S101630334

Global Id: T0600101383
Status: Open - Site Assessment
Status Date: 08/15/1989

Global Id: T0600101383
Status: Open - Verification Monitoring
Status Date: 05/03/1989

Regulatory Activities:

Global Id: T0600101383
Action Type: Other
Date: 05/03/1989
Action: Leak Stopped

Global Id: T0600101383
Action Type: Other
Date: 05/03/1989
Action: Leak Discovery

Global Id: T0600101383
Action Type: Other
Date: 05/03/1989
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-1498
Facility Status: Case Closed
Case Number: 01-1498
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 6/7/1989
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: 8/15/1989
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: 1/1/1965

SWEEPS UST:

Status: Active
Comp Number: 46480
Number: 9
Board Of Equalization: 44-001147
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: GASOLINE-3
SWRCB Tank Id: 01-007-046480-000001
Tank Status: A
Capacity: 10000
Active Date: 07-01-85
Tank Use: M.V. FUEL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRANSCON LINES (Continued)

S101630334

STG: P
Content: LEADED
Number Of Tanks: 3

Status: Active
Comp Number: 46480
Number: 9
Board Of Equalization: 44-001147
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: DIESEL-#2
SWRCB Tank Id: 01-007-046480-000002
Tank Status: A
Capacity: 10000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 46480
Number: 9
Board Of Equalization: 44-001147
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: DIESEL-#1
SWRCB Tank Id: 01-007-046480-000003
Tank Status: A
Capacity: 8000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 01001617
Regulated By: UTNKA
Regulated ID: 00046480
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4153522440
Mail To: Not reported
Mailing Address: 601 ALADDIN AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94577
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRANSCON LINES (Continued)

S101630334

HIST CORTESE:
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1498

C18
West
< 1/8
0.011 mi.
60 ft.

BICOASTAL PROPERTIES
2711 ALVARADO
SAN LEANDRO, CA 94577

Site 1 of 3 in cluster C

CA LUST
CA Alameda County CS
CA HIST CORTESE

S103395982
N/A

Relative:
Lower

LUST:
Region: STATE
Global Id: T0600100191
Latitude: 37.708754
Longitude: -122.154728
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/27/1995
Lead Agency: ALAMEDA COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 01-0205
LOC Case Number: RO0000982
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Actual:
39 ft.

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0600100191
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:
Global Id: T0600100191
Status: Completed - Case Closed
Status Date: 11/27/1995

Global Id: T0600100191
Status: Open - Case Begin Date
Status Date: 05/15/1990

Regulatory Activities:
Global Id: T0600100191
Action Type: ENFORCEMENT
Date: 01/18/1994
Action: * Historical Enforcement - #UNK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BICOASTAL PROPERTIES (Continued)

S103395982

Global Id: T0600100191
Action Type: REMEDIATION
Date: 05/15/1990
Action: Excavation

Global Id: T0600100191
Action Type: ENFORCEMENT
Date: 10/23/1995
Action: State Water Board Closure Order

Global Id: T0600100191
Action Type: Other
Date: 06/12/1990
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-0205
Facility Status: Case Closed
Case Number: 4550
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 6/1/1993
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:

Status: Case Closed
Record Id: RO0000982
PE: 5602
Facility Status: Case Closed

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-0205

C19
SW
< 1/8
0.012 mi.
61 ft.

2777 ALVARADO ST
SAN LEANDRO, CA 94577

Site 2 of 3 in cluster C

Relative:
Lower

EDR Historical Auto Stations:
Name: FORDEZ AUTO
Year: 2004
Address: 2777 ALVARADO ST

Actual:
39 ft.

EDR Hist Auto 1015384265
N/A

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

D20
SW
< 1/8
0.012 mi.
63 ft.

2823 ALVARADO ST
SAN LEANDRO, CA 94577

Site 1 of 5 in cluster D

EDR Hist Auto **1015388075**
N/A

Relative:
Lower

Actual:
39 ft.

EDR Historical Auto Stations:
Name: OREN GEORGE TIRE SPECIALIST INC
Year: 2002
Address: 2823 ALVARADO ST

D21
SSW
< 1/8
0.015 mi.
80 ft.

WESTERN KRAFT PAPER GROUP
2800 ALVARADO ST
SAN LEANDRO, CA 94577

Site 2 of 5 in cluster D

CA SWEEPS UST **S101629600**
CA FID UST **N/A**
CA WDS

Relative:
Lower

Actual:
39 ft.

SWEEPS UST:
Status: Active
Comp Number: 790
Number: 1
Board Of Equalization: 44-001042
Referral Date: 09-08-89
Action Date: 09-08-89
Created Date: 02-29-88
Owner Tank Id: ONE
SWRCB Tank Id: 01-007-000790-000001
Tank Status: A
Capacity: 15000
Active Date: 09-08-89
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 1

CA FID UST:
Facility ID: 01001950
Regulated By: UTNKA
Regulated ID: 00000790
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4153575400
Mail To: Not reported
Mailing Address: 2800 ALVARADO ST
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94577
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

WDS:
Facility ID: San Francisco Bay 011017311
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN KRAFT PAPER GROUP (Continued)

S101629600

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: 2

Facility Telephone: 5103575400

Facility Contact: JERRY DODD

Agency Name: WEYERHAEUSER CO

Agency Address: PO Box 1878

Agency City,St,Zip: San Leandro 945770277

Agency Contact: JERRY DODD

Agency Telephone: 5103575400

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 those who 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.

Facility ID: San Francisco Bay 011018795

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: 2

Facility Telephone: 5106869010

Facility Contact: Jesus Casillas

Agency Name: GEORGIA PACIFIC CORP

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

WESTERN KRAFT PAPER GROUP (Continued)

S101629600

Agency Address: 2800 Alvarado St
 Agency City,St,Zip: San Leandro 94577
 Agency Contact: Jesus Casillas
 Agency Telephone: 5106869010
 Agency Type: Private
 SIC Code: 2653
 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 those who 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.

D22
SSW
 < 1/8
 0.015 mi.
 80 ft.

GEORGIA-PACIFIC CORRUGATED LLC
2800 ALVARADO STREET
SAN LEANDRO, CA 94577

CA AST S107621036
CA EMI N/A

Site 3 of 5 in cluster D

Relative:
Lower

AST:
 Certified Unified Program Agencies: San Leandro
 Owner: GEORGIA-PACIFIC CORRUGATED LLC
 Total Gallons: 20,740

Actual:
39 ft.

EMI:
 Year: 2004
 County Code: 1
 Air Basin: SF
 Facility ID: 16023
 Air District Name: BA
 SIC Code: 2653
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 8.941
 Reactive Organic Gases Tons/Yr: 8.8690994
 Carbon Monoxide Emissions Tons/Yr: 1.012
 NOX - Oxides of Nitrogen Tons/Yr: 4.048
 SOX - Oxides of Sulphur Tons/Yr: 0.016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGIA-PACIFIC CORRUGATED LLC (Continued)

S107621036

Particulate Matter Tons/Yr: 0.098
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.0969

Year: 2005
County Code: 1
Air Basin: SF
Facility ID: 16023
Air District Name: BA
SIC Code: 2653
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 12.545
Reactive Organic Gases Tons/Yr: 12.4470984
Carbon Monoxide Emissions Tons/Yr: 1.545
NOX - Oxides of Nitrogen Tons/Yr: 6.179
SOX - Oxides of Sulphur Tons/Yr: .025
Particulate Matter Tons/Yr: .15
Part. Matter 10 Micrometers and Smlr Tons/Yr.:1482

Year: 2006
County Code: 1
Air Basin: SF
Facility ID: 16023
Air District Name: BA
SIC Code: 2653
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 14.851
Reactive Organic Gases Tons/Yr: 14.7764638
Carbon Monoxide Emissions Tons/Yr: 1.509
NOX - Oxides of Nitrogen Tons/Yr: 6.037
SOX - Oxides of Sulphur Tons/Yr: .025
Particulate Matter Tons/Yr: .147
Part. Matter 10 Micrometers and Smlr Tons/Yr.:1452

Year: 2007
County Code: 1
Air Basin: SF
Facility ID: 16023
Air District Name: BA
SIC Code: 2653
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 19.085
Reactive Organic Gases Tons/Yr: 19.006997
Carbon Monoxide Emissions Tons/Yr: 1.578
NOX - Oxides of Nitrogen Tons/Yr: 6.312
SOX - Oxides of Sulphur Tons/Yr: .026
Particulate Matter Tons/Yr: .153
Part. Matter 10 Micrometers and Smlr Tons/Yr.:1512

Year: 2008
County Code: 1
Air Basin: SF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGIA-PACIFIC CORRUGATED LLC (Continued)

S107621036

Facility ID:	16023
Air District Name:	BA
SIC Code:	2653
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.489
Reactive Organic Gases Tons/Yr:	4.3722844
Carbon Monoxide Emissions Tons/Yr:	1.444
NOX - Oxides of Nitrogen Tons/Yr:	5.784
SOX - Oxides of Sulphur Tons/Yr:	.023
Particulate Matter Tons/Yr:	.144
Part. Matter 10 Micrometers and Smlr Tons/Yr:	.142
Year:	2009
County Code:	1
Air Basin:	SF
Facility ID:	16023
Air District Name:	BA
SIC Code:	2653
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9.8439999999999994
Reactive Organic Gases Tons/Yr:	9.7359513999999994
Carbon Monoxide Emissions Tons/Yr:	1.333
NOX - Oxides of Nitrogen Tons/Yr:	5.3419999999999996
SOX - Oxides of Sulphur Tons/Yr:	2.199999999999999E-2
Particulate Matter Tons/Yr:	0.13
Part. Matter 10 Micrometers and Smlr Tons/Yr:	0.1283999999999999
Year:	2010
County Code:	1
Air Basin:	SF
Facility ID:	16023
Air District Name:	BA
SIC Code:	2653
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	11.131
Reactive Organic Gases Tons/Yr:	11.0160178
Carbon Monoxide Emissions Tons/Yr:	1.425
NOX - Oxides of Nitrogen Tons/Yr:	5.7080000000000002
SOX - Oxides of Sulphur Tons/Yr:	0.023
Particulate Matter Tons/Yr:	0.14088888888888801
Part. Matter 10 Micrometers and Smlr Tons/Yr:	0.13900000000000001
Year:	2011
County Code:	1
Air Basin:	SF
Facility ID:	16023
Air District Name:	BA
SIC Code:	2653
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGIA-PACIFIC CORRUGATED LLC (Continued)

S107621036

Total Organic Hydrocarbon Gases Tons/Yr: 11.945
Reactive Organic Gases Tons/Yr: 11.8305956
Carbon Monoxide Emissions Tons/Yr: 0.3
NOX - Oxides of Nitrogen Tons/Yr: 0.054
SOX - Oxides of Sulphur Tons/Yr: 0.023
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2012
County Code: 1
Air Basin: SF
Facility ID: 16023
Air District Name: BA
SIC Code: 2653
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4.937
Reactive Organic Gases Tons/Yr: 4.8133508
Carbon Monoxide Emissions Tons/Yr: 0.323
NOX - Oxides of Nitrogen Tons/Yr: 0.058
SOX - Oxides of Sulphur Tons/Yr: 0.025
Particulate Matter Tons/Yr: 0.1487777778
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.147

Year: 2013
County Code: 1
Air Basin: SF
Facility ID: 16023
Air District Name: BA
SIC Code: 2653
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4.634
Reactive Organic Gases Tons/Yr: 4.5074618
Carbon Monoxide Emissions Tons/Yr: 0.33
NOX - Oxides of Nitrogen Tons/Yr: 0.059
SOX - Oxides of Sulphur Tons/Yr: 0.025
Particulate Matter Tons/Yr: 0.152
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.151

Year: 2014
County Code: 1
Air Basin: SF
Facility ID: 16023
Air District Name: BA
SIC Code: 2653
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4.692295456
Reactive Organic Gases Tons/Yr: 4.613327835
Carbon Monoxide Emissions Tons/Yr: 0.307558133
NOX - Oxides of Nitrogen Tons/Yr: 0.055318886
SOX - Oxides of Sulphur Tons/Yr: 0.023617453
Particulate Matter Tons/Yr: 2.810396131

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GEORGIA-PACIFIC CORRUGATED LLC (Continued)

S107621036

Part. Matter 10 Micrometers and Smlr Tons/Yr:2.008649375

D23
SSW
 < 1/8
 0.015 mi.
 80 ft.

GEORGIA PACIFIC CORRUGATED LLC
2800 ALVARADO ST
SAN LEANDRO, CA 94577

CA LUST
CA HIST CORTESE
CA NPDES

1002848429
N/A

Site 4 of 5 in cluster D

Relative:
Lower

LUST:

Actual:
39 ft.

Region: STATE
 Global Id: T0600101948
 Latitude: 37.708396
 Longitude: -122.15127
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 12/16/1997
 Lead Agency: SAN LEANDRO, CITY OF
 Case Worker: UNK
 Local Agency: SAN LEANDRO, CITY OF
 RB Case Number: 01-2122
 LOC Case Number: 01-2122
 File Location: Not reported
 Potential Media Affect: Under Investigation
 Potential Contaminants of Concern: Diesel
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0600101948
 Contact Type: Regional Board Caseworker
 Contact Name: Regional Water Board
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST SUITE 1400
 City: OAKLAND
 Email: Not reported
 Phone Number: Not reported

Global Id: T0600101948
 Contact Type: Local Agency Caseworker
 Contact Name: UNK
 Organization Name: SAN LEANDRO, CITY OF
 Address: Not reported
 City: r2 UNKNOWN
 Email: Not reported
 Phone Number: Not reported

Status History:

Global Id: T0600101948
 Status: Completed - Case Closed
 Status Date: 12/16/1997

Global Id: T0600101948
 Status: Open - Case Begin Date
 Status Date: 10/13/1994

Global Id: T0600101948
 Status: Open - Site Assessment

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGIA PACIFIC CORRUGATED LLC (Continued)

1002848429

Status Date: 10/06/1995

Regulatory Activities:

Global Id: T0600101948
Action Type: Other
Date: 10/13/1994
Action: Leak Stopped

Global Id: T0600101948
Action Type: Other
Date: 10/13/1994
Action: Leak Discovery

Global Id: T0600101948
Action Type: Other
Date: 09/07/1995
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-2122
Facility Status: Case Closed
Case Number: 01-2122
How Discovered: OM
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 10/6/1995
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-2122

NPDES:

Npdes Number: CAS000001
Facility Status: Active
Agency Id: 0
Region: 2
Regulatory Measure Id: 320732
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 2 011020683
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 02/21/2007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGIA PACIFIC CORRUGATED LLC (Continued)

1002848429

Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Georgia Pacific Packaging LLC
Discharge Address:	2400 Lapham Drive
Discharge City:	Modesto
Discharge State:	California
Discharge Zip:	95354
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERCIAL 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGIA PACIFIC CORRUGATED LLC (Continued)

1002848429

CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	2
Regulatory Measure Id:	320732
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	2 011020683
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	2/21/2007
STATUS CODE NAME:	Active
STATUS DATE:	2/21/2007
PLACE SIZE:	15.7
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	John Allard
FACILITY CONTACT TITLE:	EHS Manager
FACILITY CONTACT PHONE:	510-895-7834
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	jcallard@gapac.com
OPERATOR NAME:	Georgia Pacific Packaging LLC
OPERATOR ADDRESS:	2400 Lapham Drive
OPERATOR CITY:	Modesto
OPERATOR STATE:	California
OPERATOR ZIP:	95354
OPERATOR CONTACT NAME:	John Allard
OPERATOR CONTACT TITLE:	EHS Manager
OPERATOR CONTACT PHONE:	510-895-7834
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	jcallard@gapac.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GEORGIA PACIFIC CORRUGATED LLC (Continued)

1002848429

EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	San Francisco Bay
CERTIFIER NAME:	Kevin Mouser
CERTIFIER TITLE:	Director of Operations
CERTIFICATION DATE:	03-JUN-15
PRIMARY SIC:	2653-Corrugated and Solid Fiber Boxes
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

D24
SSW
 < 1/8
 0.015 mi.
 80 ft.

WESTERN KRAFT PAPER GROUP
2800 ALVARADO ST
SAN LEANDRO, CA 94577
 Site 5 of 5 in cluster D

CA HIST UST **U001598496**
 N/A

Relative:
Lower

Actual:
 39 ft.

HIST UST:	
File Number:	000364EA
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000364EA.pdf
Region:	STATE
Facility ID:	00000000790
Facility Type:	Other
Other Type:	PAPER CO.
Contact Name:	Not reported
Telephone:	4153575400
Owner Name:	WILLAMETTE INDUSTRIES, INC.
Owner Address:	1300 S.W. FIFTH AVE.
Owner City,St,Zip:	PORTLAND, OR 97201
Total Tanks:	0003
Tank Num:	001
Container Num:	ONE
Year Installed:	1973
Tank Capacity:	00015000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	TWO
Year Installed:	1955

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN KRAFT PAPER GROUP (Continued)

U001598496

Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: THREE
Year Installed: 1955
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

C25
West
< 1/8
0.044 mi.
231 ft.

TRW
820 ALADDIN AVE
SAN LEANDRO, CA 94577
Site 3 of 3 in cluster C

CA SLIC **S106717780**
N/A

Relative:
Lower

SLIC:
Region: STATE
Facility Status: Open - Inactive
Status Date: 06/04/2009
Global Id: SL0600185209
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number: Not reported
Latitude: 37.708557
Longitude: -122.155071
Case Type: Cleanup Program Site
Case Worker: UUU
Local Agency: Not reported
RB Case Number: 01S0455
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Actual:
38 ft.

[Click here to access the California GeoTracker records for this facility:](#)

26
NE
< 1/8
0.046 mi.
241 ft.

ALAMEDA COUNTY INDUSTRIES, INC.
610 ALADDIN AVE
SAN LEANDRO, CA 94577

CA SWF/LF **S108197038**
CA HAULERS **N/A**
CA NPDES

Relative:
Higher

SWF/LF (SWIS):
Region: STATE
Facility ID: 01-AA-0290
Lat/Long: 37.709700 / -122.15127
Owner Name: Alameda County Industries
Owner Telephone: 5103577282
Owner Address: Not reported

Actual:
44 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMEDA COUNTY INDUSTRIES, INC. (Continued)

S108197038

Owner Address2: 610 Aladdin Avenue
Owner City,St,Zip: San Leandro, CA 94577
Operational Status: Active
Operator: Alameda County Industries
Operator Phone: 5103577282
Operator Address: Not reported
Operator Address2: 610 Aladdin Avenue
Operator City,St,Zip: San Leandro, CA 94577
Permit Date: 01/03/2012
Permit Status: Permitted
Permitted Acreage: \$2.20
Activity: Large Volume Transfer/Proc Facility
Regulation Status: Permitted
Landuse Name: Industrial
GIS Source: Map
Category: Transfer/Processing
Unit Number: 01
Inspection Frequency: Monthly
Accepted Waste: Construction/demolition,Mixed municipal
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: Not reported
SWIS Num: 01-AA-0290
Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: 412
Actual Throughput with Units: Tons/day
Permitted Capacity with Units: 802
Remaining Capacity: Not reported
Remaining Capacity with Units: Tons/day
Lat/Long: 37.709700 / -122.15127

Region: STATE
Facility ID: 01-AA-0291
Lat/Long: 37.709860 / -122.15128
Owner Name: County of Alameda
Owner Telephone: 5103577282
Owner Address: Alameda County Industries (SCTO)
Owner Address2: 610 Alladdin Avenue
Owner City,St,Zip: San Leandro, CA 94577-4302
Operational Status: Active
Operator: Alameda County Industries
Operator Phone: 5103757282
Operator Address: Louie Pellegrini, Jr.
Operator Address2: 610 Aladdin Avenue
Operator City,St,Zip: San Leandro, CA 49577-4302
Permit Date: 02/27/2003
Permit Status: Notification
Permitted Acreage: \$2.80
Activity: Sealed Container Transfer Operation
Regulation Status: Notification
Landuse Name: Industrial,Commercial
GIS Source: Map
Category: Transfer/Processing
Unit Number: 01
Inspection Frequency: Quarterly
Accepted Waste: Construction/demolition,Food Wastes,Green Materials,Inert,Mixed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMEDA COUNTY INDUSTRIES, INC. (Continued)

S108197038

municipal
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: Not reported
SWIS Num: 01-AA-0291
Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: 198
Actual Throughput with Units: Cu Yards/day
Permitted Capacity with Units: 396
Remaining Capacity: Not reported
Remaining Capacity with Units: Cubic Yards
Lat/Long: 37.709860 / -122.15128

HAULERS:

Facility ID: 1299348
Facility Phone: (510) 357-7282
Business Email Address: Not reported
Contact Person: Corrine Munoz, Louie Pellegrini
Mailing Address: 610 Aladdin Ave
Mailing City: San Leandro
Mailing State: CA
Mailing Zip: 94577-4302
Mailing County: Alameda
Mailing Phone: (510) 357-7282
Waste Tire Permit Summary: No Permit record for this business.

NPDES:

Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 2
Regulatory Measure Id: 181149
Order No: Not reported
Regulatory Measure Type: Industrial
Place Id: Not reported
WDID: 2 011015900
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
RECEIVED DATE: 5/9/2008
PROCESSED DATE: 6/29/2000
STATUS CODE NAME: Active
STATUS DATE: 6/29/2000
PLACE SIZE: 2.83
PLACE SIZE UNIT: Acres
FACILITY CONTACT NAME: Jillian Hogan
FACILITY CONTACT TITLE: Environmental Compliance Manager
FACILITY CONTACT PHONE: 510-357-7282

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMEDA COUNTY INDUSTRIES, INC. (Continued)

S108197038

FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: jhogan@alamedacountyindustries.com
OPERATOR NAME: Alameda Cnty Industries
OPERATOR ADDRESS: 610 Aladdin Ave
OPERATOR CITY: San Leandro
OPERATOR STATE: California
OPERATOR ZIP: 94577
OPERATOR CONTACT NAME: Jillian Hogan
OPERATOR CONTACT TITLE: Environmental Compliance Manager
OPERATOR CONTACT PHONE: 510-346-8148
OPERATOR CONTACT PHONE EXT: Not reported
OPERATOR CONTACT EMAIL: jhogan@alamedacountyindustries.com
OPERATOR TYPE: Private Business
DEVELOPER NAME: Not reported
DEVELOPER ADDRESS: Not reported
DEVELOPER CITY: Not reported
DEVELOPER STATE: California
DEVELOPER ZIP: Not reported
DEVELOPER CONTACT NAME: Not reported
DEVELOPER CONTACT TITLE: Not reported
CONSTYPE LINEAR UTILITY IND: Not reported
EMERGENCY PHONE NO: 510-346-8148
EMERGENCY PHONE EXT: Not reported
CONSTYPE ABOVE GROUND IND: Not reported
CONSTYPE BELOW GROUND IND: Not reported
CONSTYPE CABLE LINE IND: Not reported
CONSTYPE COMM LINE IND: Not reported
CONSTYPE COMMERTIAL IND: Not reported
CONSTYPE ELECTRICAL LINE IND: Not reported
CONSTYPE GAS LINE IND: Not reported
CONSTYPE INDUSTRIAL IND: Not reported
CONSTYPE OTHER DESCRIPTION: Not reported
CONSTYPE OTHER IND: Not reported
CONSTYPE RECONS IND: Not reported
CONSTYPE RESIDENTIAL IND: Not reported
CONSTYPE TRANSPORT IND: Not reported
CONSTYPE UTILITY DESCRIPTION: Not reported
CONSTYPE UTILITY IND: Not reported
CONSTYPE WATER SEWER IND: Not reported
DIR DISCHARGE USWATER IND: N
RECEIVING WATER NAME: San Francisco Bay
CERTIFIER NAME: Louie Pellegrini
CERTIFIER TITLE: President
CERTIFICATION DATE: 15-APR-15
PRIMARY SIC: 5093-Scrap and Waste Materials
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

Npdes Number: CAS000001
Facility Status: Active
Agency Id: 0
Region: 2
Regulatory Measure Id: 181149
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 2 011015900

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMEDA COUNTY INDUSTRIES, INC. (Continued)

S108197038

Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/29/2000
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Alameda Cnty Industries
Discharge Address:	610 Aladdin Ave
Discharge City:	San Leandro
Discharge State:	California
Discharge Zip:	94577
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMEDA COUNTY INDUSTRIES, INC. (Continued)

S108197038

CONSTYPE WATER SEWER IND: Not reported
DIR DISCHARGE USWATER IND: Not reported
RECEIVING WATER NAME: Not reported
CERTIFIER NAME: Not reported
CERTIFIER TITLE: Not reported
CERTIFICATION DATE: Not reported
PRIMARY SIC: Not reported
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

27
WNW
< 1/8
0.062 mi.
326 ft.

THOMAS OUTDOOR LIGHTING
2661 ALVARADO STREET
SAN LEANDRO, CA 94577

RCRA-SQG 1000185209
CA SWEEPS UST CAD009219684
CA HIST UST
CA FID UST
FINDS
CA NPDES
CA WDS
ECHO

Relative:
Lower

Actual:
40 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: GARDCO MFG INC
Facility address: 2661 ALVARADO ST
SAN LEANDRO, CA 94577
EPA ID: CAD009219684
Contact: Not reported
Contact address: 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: GARDCO MFG INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THOMAS OUTDOOR LIGHTING (Continued)

1000185209

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
Used 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: 02/29/1996
Site name: THOMAS LIGHTING (GARDCO MFG)
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: GARDCO MFG INC
Classification: Large Quantity Generator

Violation Status: No violations found

SWEEPS UST:

Status: Not reported
Comp Number: 7
Number: Not reported
Board Of Equalization: 44-001030
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-000007-000001
Tank Status: Not reported
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 1

HIST UST:

File Number: 00035FDB
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00035FDB.pdf>
Region: STATE
Facility ID: 00000065894
Facility Type: Other
Other Type: LIGHT MFG.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THOMAS OUTDOOR LIGHTING (Continued)

1000185209

Contact Name: PAUL J. LOUIS
Telephone: 4153576900
Owner Name: GARDCO MANUFACTURING INC.
Owner Address: 2661 ALVARADO STREET
Owner City,St,Zip: SAN LEANDRO, CA 94577
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1974
Tank Capacity: 00006000
Tank Used for: WASTE
Type of Fuel: 6U
Container Construction Thickness: 2
Leak Detection: Pressure Test

[Click here for Geo Tracker PDF:](#)

CA FID UST:

Facility ID: 01001888
Regulated By: UTKI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 2661 ALVARADO ST
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94577
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

FINDS:

Registry ID: 110000902685

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.

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THOMAS OUTDOOR LIGHTING (Continued)

1000185209

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	2
Regulatory Measure Id:	180835
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	2 011009132
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	11/7/1992
STATUS CODE NAME:	Terminated
STATUS DATE:	6/29/2006
PLACE SIZE:	214000
PLACE SIZE UNIT:	SqFt
FACILITY CONTACT NAME:	WILLIAM Snook
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	5103576900
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	bsnook@genlytethomas.com
OPERATOR NAME:	Gardco Lighting
OPERATOR ADDRESS:	PO Box 2013
OPERATOR CITY:	San Leandro
OPERATOR STATE:	California
OPERATOR ZIP:	94577
OPERATOR CONTACT NAME:	WILLIAM Snook
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	510-357-6900
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	bsnook@genlytethomas.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	510-357-6900
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THOMAS OUTDOOR LIGHTING (Continued)

1000185209

CONSTYPE BELOW GROUND IND: Not reported
CONSTYPE CABLE LINE IND: Not reported
CONSTYPE COMM LINE IND: Not reported
CONSTYPE COMMERTIAL IND: Not reported
CONSTYPE ELECTRICAL LINE IND: Not reported
CONSTYPE GAS LINE IND: Not reported
CONSTYPE INDUSTRIAL IND: Not reported
CONSTYPE OTHER DESRIPTION: Not reported
CONSTYPE OTHER IND: Not reported
CONSTYPE RECONS IND: Not reported
CONSTYPE RESIDENTIAL IND: Not reported
CONSTYPE TRANSPORT IND: Not reported
CONSTYPE UTILITY DESCRIPTION: Not reported
CONSTYPE UTILITY IND: Not reported
CONSTYPE WATER SEWER IND: Not reported
DIR DISCHARGE USWATER IND: Not reported
RECEIVING WATER NAME: San Francisco Bay
CERTIFIER NAME: Not reported
CERTIFIER TITLE: Not reported
CERTIFICATION DATE: Not reported
PRIMARY SIC: 3646-Commercial, Industrial, and Institutional Electric Lighting
Fixtures
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

WDS:

Facility ID: San Francisco Bay 011009132
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: 2
Facility Telephone: 5103576900
Facility Contact: WILLIAM SNOOK
Agency Name: THOMAS OUTDOOR LIGHTING
Agency Address: PO Box 2013
Agency City,St,Zip: San Leandro 945770307
Agency Contact: WILLIAM SNOOK
Agency Telephone: 5103576900
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

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

THOMAS OUTDOOR LIGHTING (Continued)

1000185209

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 those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

ECHO:
 Envid: 1000185209
 Registry ID: 110000902685
 DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110000902685

28
 SE
 < 1/8
 0.085 mi.
 448 ft.

SAN FRANCISCO NIKE 31
SAN LEANDRO, CA

CA RESPONSE S107737250
CA ENVIROSTOR N/A

Relative:
Lower

Actual:
39 ft.

RESPONSE:
 Facility ID: 80000548
 Site Type: State Response
 Site Type Detail: FUDS
 Acres: 5
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP
 Lead Agency Description: DTSC - Site Cleanup Program
 Project Manager: Carrie Tatoian-Cain
 Supervisor: Dan Ward
 Division Branch: Engineering & Special Projects
 Site Code: Not reported
 Site Mgmt. Req.: NONE SPECIFIED
 Assembly: 18
 Senate: 09
 Special Program Status: Not reported
 Status: Inactive - Needs Evaluation
 Status Date: 10/07/2013
 Restricted Use: NO
 Funding: DERA
 Latitude: 37.70777
 Longitude: -122.1513
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC : NONE SPECIFIED
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: CA99799F599100
 Alias Type: Federal Facility ID
 Alias Name: J09CA1103
 Alias Type: INPR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FRANCISCO NIKE 31 (Continued)

S107737250

Alias Name: 80000548
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 09/22/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Department of Defense Action Indicated (NDAI)
Completed Date: 02/29/2012
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:

Facility ID: 80000548
Status: Inactive - Needs Evaluation
Status Date: 10/07/2013
Site Code: Not reported
Site Type: State Response
Site Type Detailed: FUDS
Acres: 5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Carrie Tatoian-Cain
Supervisor: Dan Ward
Division Branch: Engineering & Special Projects
Assembly: 18
Senate: 09
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 37.70777
Longitude: -122.1513
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F599100
Alias Type: Federal Facility ID
Alias Name: J09CA1103
Alias Type: INPR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FRANCISCO NIKE 31 (Continued)

S107737250

Alias Name: 80000548
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 09/22/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Department of Defense Action Indicated (NDAI)
Completed Date: 02/29/2012
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

E29
North
1/8-1/4
0.144 mi.
760 ft.

FEDEX NATIONAL LTL SFC
549 MONTAGUE AVE
SAN LEANDRO, CA 94577

RCRA NonGen / NLR **1004677411**
CAR000096883

Site 1 of 3 in cluster E

Relative:
Higher

RCRA NonGen / NLR:

Date form received by agency: 10/19/2011
Facility name: FEDEX NATIONAL LTL SFC
Facility address: 549 MONTAGUE AVE
SAN LEANDRO, CA 94577

Actual:
47 ft.

EPA ID: CAR000096883
Mailing address: 6900 ALCOA RD
BENTON, AR 72015
Contact: CHRIS W BAKER
Contact address: 6900 ALCOA RD
BENTON, AR 72015

Contact country: US
Contact telephone: 501-376-7249
Telephone ext.: 3008
Contact email: CHRIS.BAKER@FEDEX.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: FEDEX FREIGHT INC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FEDEX NATIONAL LTL SFC (Continued)

1004677411

Owner/Operator Type: Operator
Owner/Op start date: 09/06/2006
Owner/Op end date: Not reported

Owner/operator name: FEDEX FREIGHT INC
Owner/operator address: 2200 FORWARD DR
HARRISON, AR 72601

Owner/operator country: US
Owner/operator telephone: 800-874-4723
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/04/2006
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: 07/29/2009
Site name: FEDEX NATIONAL LTL
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Date form received by agency: 05/17/2001
Site name: WATKINS MOTOR LINES INC
Classification: Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FEDEX NATIONAL LTL SFC (Continued)

1004677411

. Waste name: CORROSIVE WASTE
. Waste code: D003
. Waste name: REACTIVE WASTE
. Waste code: D020
. Waste name: CHLORDANE
Violation Status: No violations found

E30
North
1/8-1/4
0.147 mi.
778 ft.

OLIVER WIRE AND PLATING CO INC
555 MONTAGUE AVE
SAN LEANDRO, CA 94577
Site 2 of 3 in cluster E

RCRA-SQG 1000430764
CA SLIC CAD009155615
FINDS
ECHO

Relative:
Higher
Actual:
47 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: OLIVER WIRE AND PLATING CO INC
Facility address: 555 MONTAGUE AVE
SAN LEANDRO, CA 94577
EPA ID: CAD009155615
Mailing address: MONTAGUE AVE
SAN LEANDRO, CA 94577
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
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OLIVER WIRE AND PLATING CO INC (Continued)

1000430764

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

SLIC:

Region: STATE
Facility Status: Open - Inactive
Status Date: 06/03/2009
Global Id: SLT2O299190
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number: Not reported
Latitude: 37.711855
Longitude: -122.152209
Case Type: Cleanup Program Site
Case Worker: UUU
Local Agency: Not reported
RB Case Number: 01S0092
File Location: Not reported
Potential Media Affected: Soil
Potential Contaminants of Concern: Chromium, Copper, Nickel, Zinc
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 2:

Region: 2
Facility ID: 01S0092
Facility Status: Leak being confirmed
Date Closed: Not reported
Local Case #: Not reported
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Confirmed: Not reported
Date Prelim Site Assmnt Workplan Submitted: Not reported
Date Preliminary Site Assessment Began: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OLIVER WIRE AND PLATING CO INC (Continued)

1000430764

FINDS:

Registry ID: 110002635676

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1000430764
Registry ID: 110002635676
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002635676

**F31
NNW
1/8-1/4
0.151 mi.
797 ft.**

**VAN BOKKELEN & SONS ESTATE
688 - 700 MONTAGUE AVE
SAN LEANDRO, CA 94577**

**CA LUST
CA HIST CORTESE
CA Notify 65**

**S100179424
N/A**

Site 1 of 2 in cluster F

**Relative:
Higher**

LUST:

**Actual:
44 ft.**

Region: STATE
Global Id: T0600101506
Latitude: 37.711296
Longitude: -122.154164
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/04/1994
Lead Agency: ALAMEDA COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 01-1631
LOC Case Number: 01-1631
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect: Under Investigation
Potential Contaminants of Concern: Diesel, Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0600101506
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600101506
Status: Completed - Case Closed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VAN BOKKELEN & SONS ESTATE (Continued)

S100179424

Status Date: 02/04/1994

Global Id: T0600101506
Status: Open - Case Begin Date
Status Date: 01/20/1990

Global Id: T0600101506
Status: Open - Site Assessment
Status Date: 01/20/1990

Global Id: T0600101506
Status: Open - Site Assessment
Status Date: 12/12/1990

Global Id: T0600101506
Status: Open - Site Assessment
Status Date: 08/28/1991

Regulatory Activities:

Global Id: T0600101506
Action Type: Other
Date: 01/22/1990
Action: Leak Stopped

Global Id: T0600101506
Action Type: Other
Date: 01/22/1990
Action: Leak Discovery

Global Id: T0600101506
Action Type: Other
Date: 01/22/1990
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-1631
Facility Status: Case Closed
Case Number: 01-1631
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 1/20/1990
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: 12/12/1990
Preliminary Site Assessment Began: 8/28/1991
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VAN BOKKELEN & SONS ESTATE (Continued)

S100179424

Reg Id: 01-1631

NOTIFY 65:

Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

G32
WNW
1/8-1/4
0.156 mi.
825 ft.

RAINBO DISTRIBUTORS
828 MONTAGUE
SAN LEANDRO, CA 94577
Site 1 of 10 in cluster G

CA LUST **S102435654**
CA HIST CORTESE **N/A**

Relative:
Lower

LUST:

Actual:
40 ft.

Region: STATE
Global Id: T0600101963
Latitude: 37.710413
Longitude: -122.156285
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/14/1997
Lead Agency: SAN LEANDRO, CITY OF
Case Worker: UNK
Local Agency: SAN LEANDRO, CITY OF
RB Case Number: 01-2137
LOC Case Number: 01-2137
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0600101963
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0600101963
Contact Type: Local Agency Caseworker
Contact Name: UNK
Organization Name: SAN LEANDRO, CITY OF
Address: Not reported
City: r2 UNKNOWN
Email: Not reported
Phone Number: Not reported

Status History:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAINBO DISTRIBUTORS (Continued)

S102435654

Global Id: T0600101963
Status: Completed - Case Closed
Status Date: 11/14/1997

Global Id: T0600101963
Status: Open - Case Begin Date
Status Date: 01/15/1992

Global Id: T0600101963
Status: Open - Site Assessment
Status Date: 02/01/1994

Global Id: T0600101963
Status: Open - Site Assessment
Status Date: 02/04/1994

Regulatory Activities:

Global Id: T0600101963
Action Type: Other
Date: 01/22/1992
Action: Leak Stopped

Global Id: T0600101963
Action Type: Other
Date: 01/15/1992
Action: Leak Discovery

Global Id: T0600101963
Action Type: Other
Date: 01/15/1992
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-2137
Facility Status: Case Closed
Case Number: 01-2137
How Discovered: Tank Closure
Leak Cause: Corrosion
Leak Source: Tank
Date Leak Confirmed: 2/4/1994
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: 2/1/1994
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-2137

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

G33 **EVERGREEN**
NW **797 MONTAGUE AVE**
1/8-1/4 **SAN LEANDRO, CA 94577**
0.158 mi.
836 ft. **Site 2 of 10 in cluster G**

CA LUST **S105032971**
N/A

Relative: LUST REG 2:
Higher Region: 2
 Facility Id: 01-0578
Actual: Facility Status: Case Closed
42 ft. Case Number: 01-0578
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Tank
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: Not reported
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

G34 **EVERGREEN PROGRAM**
NW **797 MONTAGUE AVE**
1/8-1/4 **SAN LEANDRO, CA 94577**
0.158 mi.
836 ft. **Site 3 of 10 in cluster G**

CA SWEEPS UST **S101624111**
CA HIST UST **N/A**
CA FID UST

Relative: SWEEPS UST:
Higher Status: Not reported
 Comp Number: 6980
Actual: Number: Not reported
42 ft. 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: 01-007-006980-000001
 Tank Status: Not reported
 Capacity: 1000
 Active Date: Not reported
 Tank Use: M.V. FUEL
 STG: PRODUCT
 Content: REG UNLEADED
 Number Of Tanks: 1

HIST UST:
File Number: 00035D5C
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00035D5C.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

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

EVERGREEN PROGRAM (Continued)

S101624111

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: 01000702
 Regulated By: UTNKI
 Regulated ID: 00006980
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: Not reported
 Mail To: Not reported
 Mailing Address: 797 MONTAGUE AVE
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN LEANDRO 94577
 Contact: Not reported
 Contact Phone: Not reported
 DUNS Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Inactive

**G35
 NW
 1/8-1/4
 0.158 mi.
 836 ft.**

**EVERGREEN
 797 MONTAGUE AVE
 SAN LEANDRO, CA 94577
 Site 4 of 10 in cluster G**

**CA LUST U001598401
 CA HIST CORTESE N/A**

**Relative:
 Higher**

LUST:

Region: STATE
 Global Id: T0600100531
 Latitude: 37.711488
 Longitude: -122.155727
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 10/11/1995
 Lead Agency: SAN LEANDRO, CITY OF
 Case Worker: UNK
 Local Agency: SAN LEANDRO, CITY OF
 RB Case Number: 01-0578
 LOC Case Number: 01-0578
 File Location: Not reported
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

**Actual:
 42 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EVERGREEN (Continued)

U001598401

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0600100531
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0600100531
Contact Type: Local Agency Caseworker
Contact Name: UNK
Organization Name: SAN LEANDRO, CITY OF
Address: Not reported
City: r2 UNKNOWN
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600100531
Status: Completed - Case Closed
Status Date: 10/11/1995

Global Id: T0600100531
Status: Open - Case Begin Date
Status Date: 07/28/1986

Regulatory Activities:

Global Id: T0600100531
Action Type: Other
Date: 07/28/1986
Action: Leak Stopped

Global Id: T0600100531
Action Type: ENFORCEMENT
Date: 10/12/1995
Action: Closure/No Further Action Letter

Global Id: T0600100531
Action Type: Other
Date: 07/28/1986
Action: Leak Discovery

Global Id: T0600100531
Action Type: Other
Date: 07/28/1986
Action: Leak Reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EVERGREEN (Continued)

U001598401

Reg By: LTNKA
Reg Id: 01-0578

**E36
NNW
1/8-1/4
0.159 mi.
837 ft.**

**LAWTER CHEMICALS INC
595 MONTAGUE AVE
SAN LEANDRO, CA 94577**

**RCRA-SQG
CA SWEEPS UST
CA FID UST
FINDS
ECHO**

**1000401518
CAD009145061**

Site 3 of 3 in cluster E

**Relative:
Higher**

RCRA-SQG:

**Actual:
46 ft.**

Date form received by agency: 09/01/1996
Facility name: LAWTER CHEMICALS INC
Facility address: 595 MONTAGUE AVE
SAN LEANDRO, CA 94577
EPA ID: CAD009145061
Mailing address: MONTAGUE AVE
SAN LEANDRO, CA 94577
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
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAWTER CHEMICALS INC (Continued)

1000401518

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

SWEEPS UST:

Status: Not reported
Comp Number: 503
Number: Not reported
Board Of Equalization: 44-001034
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-000503-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: LINSEED OIL
Number Of Tanks: 3

Status: Not reported
Comp Number: 503
Number: Not reported
Board Of Equalization: 44-001034
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-000503-000002
Tank Status: Not reported
Capacity: 12000
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: LINSEED OIL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 503
Number: Not reported
Board Of Equalization: 44-001034
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-000503-000003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAWTER CHEMICALS INC (Continued)

1000401518

Tank Status: Not reported
Capacity: 12000
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: LINSEED OIL
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 01002361
Regulated By: UTKNI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4153577255
Mail To: Not reported
Mailing Address: 990 SKOKIE BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94577
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

FINDS:

Registry ID: 110002635505

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1000401518
Registry ID: 110002635505
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002635505

F37
NNW
1/8-1/4
0.159 mi.
837 ft.

**MAR'S ENGINEERING CO.
699 MONTAGUE AVE.
SAN LEANDRO, CA 94577**

**RCRA-SQG 1000128967
FINDS CAD009211350
ECHO**

Site 2 of 2 in cluster F

**Relative:
Higher**

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: M A R 'S ENGINEERING CO
Facility address: 699 MONTAGUE AVE
SAN LEANDRO, CA 94577

**Actual:
44 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAR'S ENGINEERING CO. (Continued)

1000128967

EPA ID: CAD009211350
Contact: Not reported
Contact address: 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: MANUEL AMBROSIO
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used 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: 11/05/1985
Site name: M A R 'S ENGINEERING CO

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MAR'S ENGINEERING CO. (Continued)

1000128967

Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002147061

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.

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

ECHO:

Envid: 1000128967
 Registry ID: 110002147061
 DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002147061

G38
WNW
1/8-1/4
0.163 mi.
863 ft.

CONTINENTAL BAKING CO
833 MONTAGUE
SAN LEANDRO, CA 94577
Site 5 of 10 in cluster G

CA SWEEPS UST **S101580282**
CA FID UST **N/A**

Relative:
Lower

SWEEPS UST:
 Status: Not reported
 Comp Number: 33289
 Number: Not reported
 Board Of Equalization: 44-001127
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Owner Tank Id: Not reported
 SWRCB Tank Id: 01-007-033289-000002
 Tank Status: Not reported
 Capacity: 8000
 Active Date: Not reported
 Tank Use: M.V. FUEL
 STG: PRODUCT
 Content: DIESEL
 Number Of Tanks: 1

Actual:
40 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONTINENTAL BAKING CO (Continued)

S101580282

CA FID UST:
Facility ID: 01002399
Regulated By: UTKNI
Regulated ID: 00033289
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4153577262
Mail To: Not reported
Mailing Address: 1525 BRYANT ST
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94577
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

**G39
WNW
1/8-1/4
0.163 mi.
863 ft.**

**CONTINENTAL BAKING COMPAN
833 MONTAGUE
SAN LEANDRO, CA 94577
Site 6 of 10 in cluster G**

**CA LUST S104396786
CA HIST CORTESE N/A**

**Relative:
Lower**

LUST:
Region: STATE
Global Id: T0600101822
Latitude: 37.710975
Longitude: -122.15695
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/09/1997
Lead Agency: SAN LEANDRO, CITY OF
Case Worker: UNK
Local Agency: SAN LEANDRO, CITY OF
RB Case Number: 01-1972
LOC Case Number: 01-1972
File Location: Not reported
Potential Media Affect: Under Investigation
Potential Contaminants of Concern: Diesel
Site History: Not reported

**Actual:
40 ft.**

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0600101822
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0600101822
Contact Type: Local Agency Caseworker
Contact Name: UNK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONTINENTAL BAKING COMPAN (Continued)

S104396786

Organization Name: SAN LEANDRO, CITY OF
Address: Not reported
City: r2 UNKNOWN
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600101822
Status: Completed - Case Closed
Status Date: 01/09/1997

Global Id: T0600101822
Status: Open - Case Begin Date
Status Date: 08/13/1990

Global Id: T0600101822
Status: Open - Site Assessment
Status Date: 09/18/1996

Regulatory Activities:

Global Id: T0600101822
Action Type: Other
Date: 08/13/1990
Action: Leak Stopped

Global Id: T0600101822
Action Type: Other
Date: 08/13/1990
Action: Leak Discovery

Global Id: T0600101822
Action Type: Other
Date: 10/26/1990
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-1972
Facility Status: Case Closed
Case Number: 01-1972
How Discovered: Tank Closure
Leak Cause: Overfill
Leak Source: Other Source
Date Leak Confirmed: 9/18/1996
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

HIST CORTESE:

Region: CORTESE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONTINENTAL BAKING COMPAN (Continued)

S104396786

Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1972

H40
NNE
1/8-1/4
0.169 mi.
894 ft.

HUDSON I C S
400 HUDSON LANE
SAN LEANDRO, CA 94577
Site 1 of 2 in cluster H

CA ENVIROSTOR
CA LUST
CA Alameda County CS
CA VCP
CA HIST UST
CA DEED
CA HIST CORTESE
CA NPDES
CA Notify 65

S100179596
N/A

Relative:
Higher

Actual:
47 ft.

ENVIROSTOR:

Facility ID: 1240035
Status: Certified / Operation & Maintenance
Status Date: 06/28/2006
Site Code: 200238
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 16
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Jessica Tibor
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Assembly: 18
Senate: 09
Special Program: Voluntary Cleanup Program
Restricted Use: YES
Site Mgmt Req: REM, LUC, MON, GW, OIL, NOWN, NDAM
Funding: Responsible Party
Latitude: 37.71389
Longitude: -122.1519
APN: 075 008700102, 075-0087-001-02, 075-0087-008, 75-0087-001, 75-0087-008
Not reported
Past Use: MANUFACTURING - LUMBER/WOOD PRODUCTS
Potential COC: * UNSPECIFIED OIL CONTAINING WASTE 1,1,1-Trichloroethane (TCA
Trichloroethylene (TCE Vinyl chloride
Confirmed COC: * UNSPECIFIED OIL CONTAINING WASTE 1,1,1-Trichloroethane (TCA
Trichloroethylene (TCE Vinyl chloride
Potential Description: OTH, SOIL
Alias Name: Not reported
Alias Type: Not reported

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON I C S (Continued)

S100179596

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:

Region: STATE
Global Id: T0600100721
Latitude: 37.714046
Longitude: -122.148444
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 06/20/1996
Lead Agency: ALAMEDA COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 01-0784
LOC Case Number: RO0000970
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0600100721
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600100721
Status: Completed - Case Closed
Status Date: 06/20/1996

Global Id: T0600100721
Status: Open - Case Begin Date
Status Date: 10/15/1990

Regulatory Activities:

Global Id: T0600100721
Action Type: REMEDIATION
Date: 05/01/1991
Action: Excavation

Global Id: T0600100721
Action Type: Other
Date: 10/15/1990
Action: Leak Reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON I C S (Continued)

S100179596

LUST REG 2:

Region: 2
Facility Id: 01-0784
Facility Status: Case Closed
Case Number: 2697
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 12/19/1991
Oversight Program: LUST
Prelim. Site Assessment Wokplan Submitted: 10/30/1991
Preliminary Site Assessment Began: 12/31/1992
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:

Status: Case Closed
Record Id: RO0000970
PE: 5602
Facility Status: Case Closed

VCP:

Facility ID: 1240035
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: REM, LUC, MON, GW, OIL, NOWN, NDAM
Acres: 16
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Jessica Tibor
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Site Code: 200238
Assembly: 18
Senate: 09
Special Programs Code: Voluntary Cleanup Program
Status: Certified / Operation & Maintenance
Status Date: 06/28/2006
Restricted Use: YES
Funding: Responsible Party
Lat/Long: 37.71389 / -122.1519
APN: 075 008700102, 075-0087-001-02, 075-0087-008, 75-0087-001, 75-0087-008
Not reported
Past Use: MANUFACTURING - LUMBER/WOOD PRODUCTS
Potential COC: 10196, 30026, 30027, 30028
Confirmed COC: 10196,30026,30027,30028
Potential Description: OTH, SOIL
Alias Name: Not reported
Alias Type: Not reported

Completed Info:

Completed Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON I C S (Continued)

S100179596

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

HIST UST:

File Number: 0003603F
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0003603F.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:

DEED:

Envirostor ID: 1240035
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED / OPERATION & MAINTENANCE
Agency: Not reported
Covenant Upload: Not reported
Deed Date(s): 06/23/2006

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-0784

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON I C S (Continued)

S100179596

Region: CORTESE
Facility County Code: 1
Reg By: CALSI
Reg Id: 01240035

NPDES:

Npdes Number: CAS000002
Facility Status: Terminated
Agency Id: 0
Region: 2
Regulatory Measure Id: 350199
Order No: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 2 01C352946
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 08/11/2008
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 03/12/2013
Discharge Name: Dynamic Builders Inc
Discharge Address: 2114 S Hill St
Discharge City: Los Angeles
Discharge State: California
Discharge Zip: 90007
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported
PLACE SIZE UNIT: Not reported
FACILITY CONTACT NAME: Not reported
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: Not reported
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: Not reported
OPERATOR NAME: Not reported
OPERATOR ADDRESS: Not reported
OPERATOR CITY: Not reported
OPERATOR STATE: Not reported
OPERATOR ZIP: Not reported
OPERATOR CONTACT NAME: Not reported
OPERATOR CONTACT TITLE: Not reported
OPERATOR CONTACT PHONE: Not reported
OPERATOR CONTACT PHONE EXT: Not reported
OPERATOR CONTACT EMAIL: Not reported
OPERATOR TYPE: Not reported
DEVELOPER NAME: Not reported
DEVELOPER ADDRESS: Not reported
DEVELOPER CITY: Not reported
DEVELOPER STATE: Not reported
DEVELOPER ZIP: Not reported
DEVELOPER CONTACT NAME: Not reported
DEVELOPER CONTACT TITLE: Not reported
CONSTYPE LINEAR UTILITY IND: Not reported
EMERGENCY PHONE NO: Not reported
EMERGENCY PHONE EXT: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON I C S (Continued)

S100179596

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 COMMERCIAL 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 NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	2
Regulatory Measure Id:	350199
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	2 01C352946
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:	3/12/2013
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	8/8/2008
PROCESSED DATE:	8/11/2008
STATUS CODE NAME:	Terminated
STATUS DATE:	4/12/2013
PLACE SIZE:	15.3
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Ariel Trinidad
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	213-746-6630
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	atrinidad@dynamicbuilders.com
OPERATOR NAME:	Dynamic Builders Inc
OPERATOR ADDRESS:	2114 S Hill St

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON I C S (Continued)

S100179596

OPERATOR CITY: Los Angeles
OPERATOR STATE: California
OPERATOR ZIP: 90007
OPERATOR CONTACT NAME: Ariel Trinidad
OPERATOR CONTACT TITLE: Not reported
OPERATOR CONTACT PHONE: 213-746-6630
OPERATOR CONTACT PHONE EXT: Not reported
OPERATOR CONTACT EMAIL: atrinidad@dynamicbuilders.com
OPERATOR TYPE: Private Business
DEVELOPER NAME: Dynamic Builders Inc
DEVELOPER ADDRESS: 2114 S Hill St
DEVELOPER CITY: Los Angeles
DEVELOPER STATE: California
DEVELOPER ZIP: 90007
DEVELOPER CONTACT NAME: Ariel Trinidad
DEVELOPER CONTACT TITLE: Not reported
CONSTYPE LINEAR UTILITY IND: N
EMERGENCY PHONE NO: Not reported
EMERGENCY PHONE EXT: Not reported
CONSTYPE ABOVE GROUND IND: N
CONSTYPE BELOW GROUND IND: N
CONSTYPE CABLE LINE IND: N
CONSTYPE COMM LINE IND: N
CONSTYPE COMMERTIAL IND: Y
CONSTYPE ELECTRICAL LINE IND: N
CONSTYPE GAS LINE IND: N
CONSTYPE INDUSTRIAL IND: N
CONSTYPE OTHER DESRIPTION: Not reported
CONSTYPE OTHER IND: N
CONSTYPE RECONS IND: N
CONSTYPE RESIDENTIAL IND: N
CONSTYPE TRANSPORT IND: N
CONSTYPE UTILITY DESCRIPTION: Not reported
CONSTYPE UTILITY IND: N
CONSTYPE WATER SEWER IND: N
DIR DISCHARGE USWATER IND: N
RECEIVING WATER NAME: Not reported
CERTIFIER NAME: TY Richey
CERTIFIER TITLE: Not reported
CERTIFICATION DATE: 22-MAY-12
PRIMARY SIC: Not reported
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

NOTIFY 65:

Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

H41
NNE
1/8-1/4
0.169 mi.
894 ft.

HUDSON I C S
400 HUDSON LANE
SAN LEANDRO, CA 94577

Site 2 of 2 in cluster H

RCRA-SQG 1000385091
CA SWEEPS UST CAD982401309
CA FID UST
FINDS
CA EMI
ECHO

Relative:
Higher

RCRA-SQG:

Date form received by agency: 11/28/1989
Facility name: HUDSON ICS
Facility address: 400 HUDSON LANE
SAN LEANDRO, CA 94577
EPA ID: CAD982401309
Mailing address: PO BOX 2338
SAN LEANDRO, CA 94577
Contact: ENVIRONMENTAL MANAGER
Contact address: 400 HUDSON LANE
SAN LEANDRO, CA 94577
Contact country: US
Contact telephone: (415) 351-5872
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

Actual:
47 ft.

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: HUDSON ICS
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON I C S (Continued)

1000385091

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

SWEEPS UST:

Status: Not reported
Comp Number: 65005
Number: Not reported
Board Of Equalization: 44-001181
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-065005-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: 2

Status: Not reported
Comp Number: 65005
Number: Not reported
Board Of Equalization: 44-001181
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-065005-000002
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 01000907
Regulated By: UTKNI
Regulated ID: 00065005
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4153515872
Mail To: Not reported
Mailing Address: 400 HUDSON ST
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94577

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON I C S (Continued)

1000385091

Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

FINDS:

Registry ID: 110001162606

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.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

EMI:

Year: 1987
County Code: 1
Air Basin: SF
Facility ID: 170
Air District Name: BA
SIC Code: 2421
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 10
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 15
Particulate Matter Tons/Yr: 21
Part. Matter 10 Micrometers and Smllr Tons/Yr:20

Year: 1990
County Code: 1
Air Basin: SF
Facility ID: 170
Air District Name: BA
SIC Code: 2421
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON I C S (Continued)

1000385091

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 8
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 1
Particulate Matter Tons/Yr: 18
Part. Matter 10 Micrometers and Smlr Tons/Yr:17

Year: 1993
County Code: 1
Air Basin: SF
Facility ID: 170
Air District Name: BA
SIC Code: 2421
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 7
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 15
Part. Matter 10 Micrometers and Smlr Tons/Yr:14

Year: 1997
County Code: 1
Air Basin: SF
Facility ID: 170
Air District Name: BA
SIC Code: 2421
Air District Name: BAY AREA 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: 2
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smlr Tons/Yr:1

Year: 1998
County Code: 1
Air Basin: SF
Facility ID: 170
Air District Name: BA
SIC Code: 2421
Air District Name: BAY AREA 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: 1
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

HUDSON I C S (Continued)

1000385091

Particulate Matter Tons/Yr: 1
 Part. Matter 10 Micrometers and Smlr Tons/Yr:1

Year: 1999
 County Code: 1
 Air Basin: SF
 Facility ID: 170
 Air District Name: BA
 SIC Code: 5541
 Air District Name: BAY AREA 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: 1
 NOX - Oxides of Nitrogen Tons/Yr: 1
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 1
 Part. Matter 10 Micrometers and Smlr Tons/Yr:1

Year: 2000
 County Code: 1
 Air Basin: SF
 Facility ID: 170
 Air District Name: BA
 SIC Code: 5541
 Air District Name: BAY AREA 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: 1
 NOX - Oxides of Nitrogen Tons/Yr: 1
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 1
 Part. Matter 10 Micrometers and Smlr Tons/Yr:1

ECHO:

Envid: 1000385091
 Registry ID: 110001162606
 DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110001162606

**G42
 NW
 1/8-1/4
 0.176 mi.
 930 ft.**

**DALCO TRUCK RENTAL
 2595 ALVARADO ST
 SAN LEANDRO, CA 94577
 Site 7 of 10 in cluster G**

**CA SWEEPS UST S101624104
 CA FID UST N/A**

**Relative:
 Higher**

SWEEPS UST:
 Status: Active
 Comp Number: 59723
 Number: 1
 Board Of Equalization: 44-001174
 Referral Date: 07-12-88
 Action Date: 07-12-88
 Created Date: 02-29-88
 Owner Tank Id: 1

**Actual:
 42 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DALCO TRUCK RENTAL (Continued)

S101624104

SWRCB Tank Id: 01-007-059723-000001
Tank Status: A
Capacity: 10000
Active Date: 07-01-88
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 2

Status: Active
Comp Number: 59723
Number: 1
Board Of Equalization: 44-001174
Referral Date: 07-12-88
Action Date: 07-12-88
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 01-007-059723-000002
Tank Status: A
Capacity: 10000
Active Date: 07-01-88
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 01003016
Regulated By: UTNKA
Regulated ID: 00059723
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: PO BOX 1120
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94577
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

**G43
NW
1/8-1/4
0.176 mi.
930 ft.**

**DALCO TRUCK RENTAL
2595 ALVARADO ST
SAN LEANDRO, CA 94577
Site 8 of 10 in cluster G**

**CA LUST U001598389
CA HIST UST N/A**

**Relative:
Higher**

LUST:
Region: STATE
Global Id: T10000003620
Latitude: 37.7113486280705
Longitude: -122.156240791082
Case Type: LUST Cleanup Site

**Actual:
42 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DALCO TRUCK RENTAL (Continued)

U001598389

Status: Completed - Case Closed
Status Date: 10/22/2012
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker: REL
Local Agency: Not reported
RB Case Number: 01-3589
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil, Under Investigation
Potential Contaminants of Concern: Diesel
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T10000003620
Contact Type: Regional Board Caseworker
Contact Name: RALPH LAMBERT
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST. SUITE 1500
City: OAKLAND
Email: ralambert@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T10000003620
Status: Completed - Case Closed
Status Date: 10/22/2012

Global Id: T10000003620
Status: Open - Case Begin Date
Status Date: 11/16/2011

Global Id: T10000003620
Status: Open - Eligible for Closure
Status Date: 10/02/2012

Global Id: T10000003620
Status: Open - Site Assessment
Status Date: 03/19/2012

Regulatory Activities:

Global Id: T10000003620
Action Type: ENFORCEMENT
Date: 03/30/2012
Action: 13267 Requirement

Global Id: T10000003620
Action Type: ENFORCEMENT
Date: 03/28/2012
Action: Site Visit / Inspection / Sampling

Global Id: T10000003620
Action Type: ENFORCEMENT
Date: 02/15/2013
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DALCO TRUCK RENTAL (Continued)

U001598389

Global Id:	T10000003620
Action Type:	ENFORCEMENT
Date:	10/22/2013
Action:	Closure/No Further Action Letter
Global Id:	T10000003620
Action Type:	ENFORCEMENT
Date:	05/09/2012
Action:	13267 Requirement
Global Id:	T10000003620
Action Type:	ENFORCEMENT
Date:	08/08/2012
Action:	13267 Requirement
Global Id:	T10000003620
Action Type:	ENFORCEMENT
Date:	07/25/2013
Action:	Staff Letter
Global Id:	T10000003620
Action Type:	RESPONSE
Date:	05/02/2013
Action:	Request for Closure
Global Id:	T10000003620
Action Type:	ENFORCEMENT
Date:	05/23/2013
Action:	Notification - Public Notice of Case Closure
Global Id:	T10000003620
Action Type:	RESPONSE
Date:	09/24/2012
Action:	Well Installation Report
Global Id:	T10000003620
Action Type:	Other
Date:	11/16/2011
Action:	Leak Discovery
Global Id:	T10000003620
Action Type:	Other
Date:	02/06/2012
Action:	Leak Reported
Global Id:	T10000003620
Action Type:	ENFORCEMENT
Date:	01/28/2013
Action:	File Review - Closure
Global Id:	T10000003620
Action Type:	Other
Date:	11/16/2011
Action:	Leak Stopped
Global Id:	T10000003620
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DALCO TRUCK RENTAL (Continued)

U001598389

Date: 06/04/2012
Action: Soil and Water Investigation Workplan - Regulator Responded

HIST UST:

File Number: 000360F7
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000360F7.pdf>
Region: STATE
Facility ID: 00000059723
Facility Type: Other
Other Type: TRUCK RENTAL
Contact Name: JEFF WINN
Telephone: 4153516344
Owner Name: LODI TRUCK SERVICE, INC.
Owner Address: 1430 SOUTH CHEROKEE LANE
Owner City,St,Zip: LODI, CA 95241
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: 1957
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

[Click here for Geo Tracker PDF:](#)

**G44
NW
1/8-1/4
0.176 mi.
930 ft.**

**DALCO TRUCK RENTALS INC
2595 ALVARADO ST
SAN LEANDRO, CA 94577
Site 9 of 10 in cluster G**

**RCRA-SQG 1000178156
FINDS CAD982505539
CA HAZNET
ECHO**

**Relative:
Higher**

RCRA-SQG:

Date form received by agency: 06/19/2013
Facility name: PETERSON IDEALEASE
Facility address: 2595 ALVARADO ST
SAN LEANDRO, CA 94577
EPA ID: CAD982505539
Contact: ERNEST L LAFEVER
Contact address: 2595 ALVARADO ST
SAN LEANDRO, CA 94577
Contact country: US
Contact telephone: 510-618-5601
Contact email: ELLAFAEVER@PETERSONTRUCKS.COM
EPA Region: 09

**Actual:
42 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DALCO TRUCK RENTALS INC (Continued)

1000178156

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: PETERSON HOLDING CO
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/18/2012
Owner/Op end date: Not reported

Owner/operator name: E AND D INVESTMENTS LLC
Owner/operator address: 955 MARINA BLVD
SAN LEANDRO, CA 94577

Owner/operator country: US
Owner/operator telephone: 510-357-6200
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/18/2012
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: Yes
Used oil transporter: Yes

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DALCO TRUCK RENTALS INC (Continued)

1000178156

- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: U075
- . Waste name: DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO-

Historical Generators:

Date form received by agency: 09/01/1996
Site name: DALCO TRUCK RENTALS INC
Classification: Small Quantity Generator

Date form received by agency: 05/15/1989
Site name: DALCO TRUCK RENTALS INC
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110006480290

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

HAZNET:

envid: 1000178156
Year: 2010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DALCO TRUCK RENTALS INC (Continued)

1000178156

GEPaid: CAD982505539
Contact: JAAN PALM-LEIS CONTROLLER
Telephone: 5103516344
Mailing Name: Not reported
Mailing Address: PO BOX 448
Mailing City,St,Zip: EL GRANADA, CA 940180000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.3
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Alameda

envid: 1000178156
Year: 2010
GEPaid: CAD982505539
Contact: JAAN PALM-LEIS CONTROLLER
Telephone: 5103516344
Mailing Name: Not reported
Mailing Address: PO BOX 448
Mailing City,St,Zip: EL GRANADA, CA 940180000
Gen County: Not reported
TSD EPA ID: CA0000084517
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Not reported
Tons: 0.1218
Cat Decode: Aqueous solution with total organic residues less than 10 percent
Method Decode: Not reported
Facility County: Alameda

envid: 1000178156
Year: 2010
GEPaid: CAD982505539
Contact: JAAN PALM-LEIS CONTROLLER
Telephone: 5103516344
Mailing Name: Not reported
Mailing Address: PO BOX 448
Mailing City,St,Zip: EL GRANADA, CA 940180000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.165
Cat Decode: Off-specification, aged or surplus organics
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Alameda

envid: 1000178156

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DALCO TRUCK RENTALS INC (Continued)

1000178156

Year: 2007
GEPaid: CAD982505539
Contact: JAAN PALM-LEIS CONTROLLER
Telephone: 5103516344
Mailing Name: Not reported
Mailing Address: 2595 ALVARADO ST
Mailing City,St,Zip: SAN LEANDRO, CA 945774317
Gen County: Not reported
TSD EPA ID: CAD009452657
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Solvents Recovery
Tons: 0.54
Cat Decode: Unspecified organic liquid mixture
Method Decode: Solvents Recovery
Facility County: Alameda

envid: 1000178156
Year: 2006
GEPaid: CAD982505539
Contact: JAAN PALM-LEIS CONTROLLER
Telephone: 5103516344
Mailing Name: Not reported
Mailing Address: 2595 ALVARADO ST
Mailing City,St,Zip: SAN LEANDRO, CA 945774317
Gen County: Not reported
TSD EPA ID: CAD009452657
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Tons: 0.04
Cat Decode: Unspecified organic liquid mixture
Method Decode: Recycler
Facility County: Alameda

[Click this hyperlink](#) while viewing on your computer to access 19 additional CA_HAZNET: record(s) in the EDR Site Report.

ECHO:

Envid: 1000178156
Registry ID: 110006480290
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110006480290

I45
WSW
1/8-1/4
0.180 mi.
948 ft.

ANIXTER, INC
1050 ALADDIN AVE
SAN LEANDRO, CA 94577

RCRA NonGen / NLR 1000439390
US AIRS CAD981171671

Site 1 of 2 in cluster I

Relative:
Lower

RCRA NonGen / NLR:
Date form received by agency: 01/22/1986
Facility name: ANIXTER, INC
Facility address: 1050 ALADDIN AVE
SAN LEANDRO, CA 94577
EPA ID: CAD981171671
Mailing address: ALADDIN AVE
SAN LEANDRO, CA 94577

Actual:
34 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANIXTER, INC (Continued)

1000439390

Contact: ENVIRONMENTAL MANAGER
Contact address: 1050 ALADDIN AVE
SAN LEANDRO, CA 94577
Contact country: US
Contact telephone: (415) 352-3100
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: ANIXTER, INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
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
Used 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

US AIRS MINOR:

Envid: 1000439390
Region Code: 09
Programmatic ID: AIR 0900000006001R9510
Facility Registry ID: 110009534432
D and B Number: Not reported
Primary SIC Code: 3632

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ANIXTER, INC (Continued)

1000439390

NAICS Code: 335222
 Default Air Classification Code: MIN
 Facility Type of Ownership Code: POF
 Air CMS Category Code: Not reported
 HPV Status: Not reported

US AIRS MINOR:

Region Code: 09
 Programmatic ID: AIR 0900000006001R9510
 Facility Registry ID: 110009534432
 Air Operating Status Code: OPR
 Default Air Classification Code: MIN
 Air Program: CFC Tracking (CAA Title VI)
 Activity Date: 1998-03-31 00:00:00
 Activity Status Date: Not reported
 Activity Group: Compliance Monitoring
 Activity Type: Information Request
 Activity Status: Not reported

Region Code: 09
 Programmatic ID: AIR 0900000006001R9510
 Facility Registry ID: 110009534432
 Air Operating Status Code: OPR
 Default Air Classification Code: MIN
 Air Program: CFC Tracking (CAA Title VI)
 Activity Date: 1999-06-16 00:00:00
 Activity Status Date: Not reported
 Activity Group: Compliance Monitoring
 Activity Type: Inspection/Evaluation
 Activity Status: Not reported

**G46
 WNW
 1/8-1/4
 0.181 mi.
 954 ft.**

**SCANDIC SPRINGS INC
 901 MONTAGUE AVE
 SAN LEANDRO, CA 94577**

**RCRA NonGen / NLR 1000310789
 FINDS CAD981171432
 ECHO**

Site 10 of 10 in cluster G

**Relative:
 Lower**

RCRA NonGen / NLR:

Date form received by agency: 01/04/2000
 Facility name: SCANDIC SPRINGS INC
 Facility address: 901 MONTAGUE AVE
 SAN LEANDRO, CA 94577

**Actual:
 39 ft.**

EPA ID: CAD981171432
 Mailing address: P O BOX 2196
 SAN LEANDRO, CA 94577
 Contact: R HALE FOOTE
 Contact address: 700 MONTAGUE AVE
 SAN LEANDRO, CA 94577

Contact country: US
 Contact telephone: (510) 352-3700
 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: RICHARD H LIND

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SCANDIC SPRINGS INC (Continued)

1000310789

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002681633

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1000310789
Registry ID: 110002681633
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002681633

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

J47
South
1/8-1/4
0.196 mi.
1036 ft.

VIKING FREIGHT SYSTEM
3050 TEAGARDEN STREET
SAN LEANDRO, CA 94577

CA UST **U003939741**
N/A

Site 1 of 6 in cluster J

Relative:
Lower

UST:
Facility ID: 01-007-674080
Permitting Agency: SAN LEANDRO, CITY OF
Latitude: 37.707584
Longitude: -122.153702

Actual:
34 ft.

J48
South
1/8-1/4
0.196 mi.
1036 ft.

UPS FREIGHT SAN LEANDRO
3050 TEAGARDEN ST
SAN LEANDRO, CA 94577

RCRA-LQG **1010562194**
CAR000188086

Site 2 of 6 in cluster J

Relative:
Lower

RCRA-LQG:
Date form received by agency: 09/30/2010
Facility name: UPS FREIGHT SAN LEANDRO
Facility address: 3050 TEAGARDEN ST
SAN LEANDRO, CA 94577
EPA ID: CAR000188086
Mailing address: PASEO DE ALICIA #200
LAGUNA HILLS, CA 92653
Contact: KIRK CERIOTTI
Contact address: TEAGARDEN ST
SAN LEANDRO, CA 94577
Contact country: US
Contact telephone: (877) 217-7771
Telephone ext.: 8641
Contact email: KCERIOTTI@UPSFREIGHT.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Actual:
34 ft.

Owner/Operator Summary:

Owner/operator name: UPS GROUND FREIGHT
Owner/operator address: SEMMES AVE
RICHMOND, VA 23224
Owner/operator country: US
Owner/operator telephone: 8772177771 8641
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/01/2005
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UPS FREIGHT SAN LEANDRO (Continued)

1010562194

Owner/operator name: UPS GROUND FREIGHT INC
Owner/operator address: 1000 SEMMES AVE
RICHMOND, VA 23224
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/21/2007
Owner/Op end date: Not reported

Owner/operator name: UPS GROUND FREIGHT
Owner/operator address: SEMMES AVE
RICHMOND, VA 23224
Owner/operator country: Not reported
Owner/operator telephone: 8772177771 8641
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/01/2005
Owner/Op end date: Not reported

Owner/operator name: UPS FREIGHT
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/21/2007
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D035

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UPS FREIGHT SAN LEANDRO (Continued)

1010562194

- . Waste name: METHYL ETHYL KETONE
- . Waste code: P022
- . Waste name: CARBON DISULFIDE
- . Waste code: U002
- . Waste name: 2-PROPANONE (I) (OR) ACETONE (I)
- . Waste code: U003
- . Waste name: ACETONITRILE (I,T)
- . Waste code: U044
- . Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-
- . Waste code: U080
- . Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
- . Waste code: U156
- . Waste name: CARBOCHLORIDIC ACID, METHYL ESTER, (I,T) (OR) METHYL CHLOROCARBONATE (I,T)
- . Waste code: U210
- . Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE
- . Waste code: U239
- . Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)
- . Waste code: U404
- . Waste name: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Historical Generators:

- Date form received by agency: 10/18/2007
- Site name: UPS GROUND FREIGHT INC DBA UPS FREIGHT
- Classification: Small Quantity Generator
- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- Violation Status: No violations found

J49
South
1/8-1/4
0.196 mi.
1036 ft.

TEAGARDEN FREIGHT TERMINAL
3050 TEAGARDEN ST
SAN LEANDRO, CA 94575
Site 3 of 6 in cluster J

CA SWEEPS UST **S101580495**
CA HIST UST **N/A**
CA FID UST
CA EMI
CA WDS

Relative:
Lower

- SWEEPS UST:**
- Status: Active
- Comp Number: 67408
- Number: 9
- Board Of Equalization: 44-001194
- Referral Date: 01-08-90
- Action Date: 01-08-90
- Created Date: 02-29-88
- Owner Tank Id: 1

Actual:
34 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEAGARDEN FREIGHT TERMINAL (Continued)

S101580495

SWRCB Tank Id: 01-007-067408-000001
Tank Status: A
Capacity: 12000
Active Date: 01-08-90
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 2

Status: Active
Comp Number: 67408
Number: 9
Board Of Equalization: 44-001194
Referral Date: 01-08-90
Action Date: 01-08-90
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 01-007-067408-000002
Tank Status: A
Capacity: 12000
Active Date: 01-08-90
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

HIST UST:

File Number: 00035FED
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00035FED.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: 01003020
Regulated By: UTNKA
Regulated ID: 00067408
Cortese Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEAGARDEN FREIGHT TERMINAL (Continued)

S101580495

SIC Code: Not reported
Facility Phone: 4153572868
Mail To: Not reported
Mailing Address: 2401 S COLORADO
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94575
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: 2014
County Code: 1
Air Basin: SF
Facility ID: 20506
Air District Name: BA
SIC Code: 4215
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.737e-005
Reactive Organic Gases Tons/Yr: 2.514e-005
Carbon Monoxide Emissions Tons/Yr: 6.8563e-005
NOX - Oxides of Nitrogen Tons/Yr: 0.000663217
SOX - Oxides of Sulphur Tons/Yr: 5.44e-007
Particulate Matter Tons/Yr: 1.6749e-005
Part. Matter 10 Micrometers and Smlr Tons/Yr:1.6079e-005

WDS:

Facility ID: San Francisco Bay 011010521
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: 2
Facility Telephone: 4083234561
Facility Contact: LEE CHONG
Agency Name: FED EX FREIGHT WEST
Agency Address: PO Box 649002
Agency City,St,Zip: San Jose 951649002
Agency Contact: LEE CHONG
Agency Telephone: 4083234561
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

TEAGARDEN FREIGHT TERMINAL (Continued)

S101580495

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 those who 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.

J50
South
1/8-1/4
0.196 mi.
1036 ft.

DUNITZ & STERN
3050 TEAGARDEN
SAN LEANDRO, CA 94577

CA LUST S104577252
N/A

Site 4 of 6 in cluster J

Relative:
Lower

LUST:
 Region: STATE
 Global Id: T0600158364
 Latitude: 37.706302
 Longitude: -122.155184
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 10/01/2009
 Lead Agency: SAN LEANDRO, CITY OF
 Case Worker: LM
 Local Agency: SAN LEANDRO, CITY OF
 RB Case Number: 01-3559
 LOC Case Number: cs 10300
 File Location: Local Agency
 Potential Media Affect: Under Investigation
 Potential Contaminants of Concern: Diesel
 Site History: Not reported

Actual:
34 ft.

Click here to access the California GeoTracker records for this facility:

Contact:
 Global Id: T0600158364
 Contact Type: Regional Board Caseworker
 Contact Name: MARCIA Y. LIAO
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: mliao@waterboards.ca.gov
 Phone Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DUNITZ & STERN (Continued)

S104577252

Status History:

Global Id: T0600158364
Status: Completed - Case Closed
Status Date: 10/01/2009

Global Id: T0600158364
Status: Open - Case Begin Date
Status Date: 07/10/2007

Global Id: T0600158364
Status: Open - Site Assessment
Status Date: 12/06/2007

Regulatory Activities:

Global Id: T0600158364
Action Type: RESPONSE
Date: 10/01/2009
Action: Tank Removal Report / UST Sampling Report

Global Id: T0600158364
Action Type: REMEDIATION
Date: 11/01/2007
Action: Not reported

Global Id: T0600158364
Action Type: RESPONSE
Date: 10/01/2009
Action: Soil and Water Investigation Report

Global Id: T0600158364
Action Type: RESPONSE
Date: 10/01/2009
Action: Correspondence

Global Id: T0600158364
Action Type: Other
Date: 07/10/2007
Action: Leak Discovery

Global Id: T0600158364
Action Type: Other
Date: 12/06/2007
Action: Leak Reported

J51
South
1/8-1/4
0.197 mi.
1042 ft.

AMPECO
3051 TEAGARDEN ST
SAN LEANDRO, CA 94577
Site 5 of 6 in cluster J

RCRA-SQG 1000201004
FINDS CAD982039034
ECHO

Relative:
Lower

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: AMPECO
Facility address: 3051 TEAGARDEN ST
SAN LEANDRO, CA 94577
EPA ID: CAD982039034

Actual:
34 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMPECO (Continued)

1000201004

Mailing address: TEAGARDEN ST
SAN LEANDRO, CA 94577
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
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: JOTCO
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMPECO (Continued)

1000201004

FINDS:

Registry ID: 110002784871

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1000201004
Registry ID: 110002784871
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002784871

I52
WSW
1/8-1/4
0.198 mi.
1047 ft.

ALADDIN HEATING CORP
1111 ALADDIN AVE
SAN LEANDRO, CA 94577

Site 2 of 2 in cluster I

Relative:
Lower

Actual:
33 ft.

RCRA-SQG 1000185347
CA LUST CAD981984354
CA SWEEPS UST
CA HIST UST
CA FID UST
FINDS
CA HAZNET
CA HIST CORTESE
ECHO

RCRA-SQG:

Date form received by agency: 03/31/1987
Facility name: ALADDIN HEATING CORP
Facility address: 1111 ALADDIN AVE
SAN LEANDRO, CA 94577
EPA ID: CAD981984354
Contact: ENVIRONMENTAL MANAGER
Contact address: 1111 ALADDIN AVE
SAN LEANDRO, CA 94577
Contact country: US
Contact telephone: (415) 357-6711
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: SAN LEANDRO INVESTMEANT
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALADDIN HEATING CORP (Continued)

1000185347

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

LUST:

Region: STATE
Global Id: T0600101783
Latitude: 37.7072179
Longitude: -122.1592601
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/06/2004
Lead Agency: SAN LEANDRO, CITY OF
Case Worker: TT
Local Agency: SAN LEANDRO, CITY OF
RB Case Number: 01-1923
LOC Case Number: 01-1923
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0600101783
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALADDIN HEATING CORP (Continued)

1000185347

City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0600101783
Contact Type: Local Agency Caseworker
Contact Name: TIFFANY TREECE
Organization Name: SAN LEANDRO, CITY OF
Address: 835 E14TH STREET
City: SAN LEANDRO
Email: ttreece@sanleandro.org
Phone Number: Not reported

Status History:

Global Id: T0600101783
Status: Completed - Case Closed
Status Date: 04/06/2004

Global Id: T0600101783
Status: Open - Case Begin Date
Status Date: 10/21/1991

Global Id: T0600101783
Status: Open - Remediation
Status Date: 10/08/2001

Global Id: T0600101783
Status: Open - Site Assessment
Status Date: 02/02/1994

Regulatory Activities:

Global Id: T0600101783
Action Type: Other
Date: 10/21/1991
Action: Leak Stopped

Global Id: T0600101783
Action Type: ENFORCEMENT
Date: 05/30/2002
Action: Closure/No Further Action Letter

Global Id: T0600101783
Action Type: ENFORCEMENT
Date: 04/06/2004
Action: Closure/No Further Action Letter - #2198.17(RDB)

Global Id: T0600101783
Action Type: RESPONSE
Date: 09/10/2002
Action: Other Report / Document

Global Id: T0600101783
Action Type: Other
Date: 10/21/1991
Action: Leak Discovery

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALADDIN HEATING CORP (Continued)

1000185347

Global Id: T0600101783
Action Type: Other
Date: 11/01/1991
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-1923
Facility Status: Post remedial action monitoring
Case Number: 01-1923
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assessment Wokplan Submitted: Not reported
Preliminary Site Assessment Began: 2/2/1994
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: 10/8/2001
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: 1/2/1965

SWEEPS UST:

Status: Not reported
Comp Number: 30276
Number: Not reported
Board Of Equalization: 44-001114
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-030276-000001
Tank Status: Not reported
Capacity: 3000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: 2

Status: Not reported
Comp Number: 30276
Number: Not reported
Board Of Equalization: 44-001114
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-030276-000002
Tank Status: Not reported
Capacity: 3000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALADDIN HEATING CORP (Continued)

1000185347

Number Of Tanks: Not reported

HIST UST:

File Number: 00035CDB
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00035CDB.pdf>
Region: STATE
Facility ID: 00000030276
Facility Type: Other
Other Type: CONTRACTOR
Contact Name: R.M. TERRY
Telephone: 0000000000
Owner Name: ALADDIN HEATING CORPORATION
Owner Address: 1111 ALADDIN AVENUE
Owner City,St,Zip: SAN LEANDRO, CA 94577
Total Tanks: 0002

Tank Num: 001
Container Num: #1 REGULAR
Year Installed: 1981
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 001
Container Num: #1 REGULAR
Year Installed: 1981
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 001
Container Num: 2
Year Installed: 1979
Tank Capacity: 00003000
Tank Used for: WASTE
Type of Fuel: 1
Container Construction Thickness: /16 2
Leak Detection: Visual

Tank Num: 001
Container Num: 2
Year Installed: 1979
Tank Capacity: 00003000
Tank Used for: WASTE
Type of Fuel: 1
Container Construction Thickness: /16 2
Leak Detection: Visual

Tank Num: 001
Container Num: 2
Year Installed: 1979
Tank Capacity: 00003000
Tank Used for: WASTE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALADDIN HEATING CORP (Continued)

1000185347

Type of Fuel: 1
Container Construction Thickness: /16 2
Leak Detection: Visual

Tank Num: 001
Container Num: #1 R-P
Year Installed: 1978
Tank Capacity: 00003000
Tank Used for: WASTE
Type of Fuel: 60
Container Construction Thickness: X
Leak Detection: Visual, Stock Inventor

Tank Num: 001
Container Num: #1 R-P
Year Installed: 1978
Tank Capacity: 00003000
Tank Used for: WASTE
Type of Fuel: 60
Container Construction Thickness: X
Leak Detection: Visual, Stock Inventor

Tank Num: 001
Container Num: #1 R-P
Year Installed: 1978
Tank Capacity: 00003000
Tank Used for: WASTE
Type of Fuel: 60
Container Construction Thickness: X
Leak Detection: Visual, Stock Inventor

Tank Num: 001
Container Num: #1 REGULAR
Year Installed: 1981
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 002
Container Num: #2 UNLEADE
Year Installed: 1978
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 002
Container Num: 1
Year Installed: 1979
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 3/16
Leak Detection: Visual

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALADDIN HEATING CORP (Continued)

1000185347

Tank Num: 002
Container Num: 1
Year Installed: 1979
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 3/16
Leak Detection: Visual

Tank Num: 002
Container Num: #2 UNLEADE
Year Installed: 1978
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 002
Container Num: 1
Year Installed: 1979
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 3/16
Leak Detection: Visual

Tank Num: 002
Container Num: 2
Year Installed: 1981
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 002
Container Num: 2
Year Installed: 1981
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 002
Container Num: #2 UNLEADE
Year Installed: 1978
Tank Capacity: 00003000
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: 1981

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALADDIN HEATING CORP (Continued)

1000185347

Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual

[Click here for Geo Tracker PDF:](#)

CA FID UST:

Facility ID: 01002394
Regulated By: UTKNI
Regulated ID: 00030276
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 5103576711
Mail To: Not reported
Mailing Address: 1111 ALADDIN AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94577
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

FINDS:

Registry ID: 110002764802

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.

HAZNET:

envid: 1000185347
Year: 2005
GEPaid: CAD981984354
Contact: KAREN MARTINEZ, OFFICE MANAGER
Telephone: 5106141210
Mailing Name: Not reported
Mailing Address: 14721 CATALINA STREET
Mailing City,St,Zip: SAN LEANDRO, CA 945770000
Gen County: Not reported
TSD EPA ID: CAL000161743

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALADDIN HEATING CORP (Continued)

1000185347

TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.1
Cat Decode: Other organic solids
Method Decode: Transfer Station
Facility County: Alameda

envid: 1000185347
Year: 2005
GEPaid: CAD981984354
Contact: KAREN MARTINEZ, OFFICE MANAGER
Telephone: 5106141210
Mailing Name: Not reported
Mailing Address: 14721 CATALINA STREET
Mailing City,St,Zip: SAN LEANDRO, CA 945770000
Gen County: Not reported
TSD EPA ID: CAL000161743
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Not reported
Tons: 1.12
Cat Decode: Unspecified oil-containing waste
Method Decode: Not reported
Facility County: Alameda

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1923

ECHO:

Envid: 1000185347
Registry ID: 110002764802
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002764802

K53
South
1/8-1/4
0.200 mi.
1054 ft.

MONTGOMERY WARD AND CO INC
3000 ALVARADO STREET
SAN LEANDRO, CA 94577

CA HIST UST **U001598443**
N/A

Site 1 of 5 in cluster K

Relative:
Lower

HIST UST:
File Number: 00036184
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00036184.pdf>
Region: STATE
Facility ID: 00000007037
Facility Type: Other
Other Type: APPLIANCE REPAIR
Contact Name: CHUCK DUNCAN
Telephone: 4157990513
Owner Name: MONTGOMERY WARD & CO.
Owner Address: 3000 ALVARADO ST
Owner City,St,Zip: SAN LEANDRO, CA 94577
Total Tanks: 0001

Actual:
34 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTGOMERY WARD AND CO INC (Continued)

U001598443

Tank Num: 001
Container Num: 1568
Year Installed: 1965
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 001
Container Num: 1568
Year Installed: 1965
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

[Click here for Geo Tracker PDF:](#)

K54
South
1/8-1/4
0.200 mi.
1054 ft.

MONTGOMERY WARD
3000 ALVARADO
SAN LEANDRO, CA 94577

CA LUST S105036288
N/A

Site 2 of 5 in cluster K

Relative:
Lower

LUST REG 2:
Region: 2
Facility Id: 01-1013
Facility Status: Case Closed
Case Number: 01-1013
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assessment Wokplan Submitted: 3/30/1987
Preliminary Site Assessment Began: 4/6/1988
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Actual:
34 ft.

K55
South
1/8-1/4
0.200 mi.
1054 ft.

MONTGOMERY WARD
3000 ALVARADO
SAN LEANDRO, CA 94577

CA LUST U001598441
CA HIST CORTESE N/A

Site 3 of 5 in cluster K

Relative:
Lower

LUST:
Region: STATE
Global Id: T0600100935
Latitude: 37.706535
Longitude: -122.149308
Case Type: LUST Cleanup Site
Status: Completed - Case Closed

Actual:
34 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTGOMERY WARD (Continued)

U001598441

Status Date: 05/11/1995
Lead Agency: SAN LEANDRO, CITY OF
Case Worker: UNK
Local Agency: SAN LEANDRO, CITY OF
RB Case Number: 01-1013
LOC Case Number: 01-1013
File Location: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0600100935
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0600100935
Contact Type: Local Agency Caseworker
Contact Name: UNK
Organization Name: SAN LEANDRO, CITY OF
Address: Not reported
City: r2 UNKNOWN
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600100935
Status: Completed - Case Closed
Status Date: 05/11/1995

Global Id: T0600100935
Status: Open - Case Begin Date
Status Date: 09/08/1986

Global Id: T0600100935
Status: Open - Site Assessment
Status Date: 03/30/1987

Global Id: T0600100935
Status: Open - Site Assessment
Status Date: 04/06/1988

Regulatory Activities:

Global Id: T0600100935
Action Type: Other
Date: 09/08/1986
Action: Leak Stopped

Global Id: T0600100935
Action Type: Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTGOMERY WARD (Continued)

U001598441

Date: 09/08/1986
Action: Leak Discovery

Global Id: T0600100935
Action Type: Other
Date: 09/08/1986
Action: Leak Reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1013

J56
South
1/8-1/4
0.201 mi.
1063 ft.

FARMER BROS CO
3041 TEA GARDEN
SAN LEANDRO, CA 94577

RCRA-SQG 1007989111
CAR000160564

Site 6 of 6 in cluster J

Relative:
Lower

RCRA-SQG:
Date form received by agency: 02/09/2005
Facility name: FARMER BROS CO
Facility address: 3041 TEA GARDEN
SAN LEANDRO, CA 94577

EPA ID: CAR000160564
Contact: MIKE ALEXANDER
Contact address: 3041 TEA GARDEN
SAN LEANDRO, CA 94577

Contact country: US
Contact telephone: 510-483-1133
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

Actual:
34 ft.

Owner/Operator Summary:
Owner/operator name: FARMER BROS CO
Owner/operator address: Not reported
Not reported

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1990
Owner/Op end date: Not reported

Owner/operator name: FARMER BROS CO
Owner/operator address: Not reported
Not reported

Owner/operator country: US
Owner/operator telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FARMER BROS CO (Continued)

1007989111

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1990
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: D002
Waste name: CORROSIVE WASTE

Violation Status: No violations found

K57
SSE
1/8-1/4
0.214 mi.
1130 ft.

UNISOURCE
3004 ALVARADO ST
SAN LEANDRO, CA 94577
Site 4 of 5 in cluster K

RCRA-SQG 1000597433
FINDS CAD983614447
ECHO

Relative:
Lower

RCRA-SQG:

Date form received by agency: 12/04/1991
Facility name: UNISOURCE
Facility address: 3004 ALVARADO ST
SAN LEANDRO, CA 94577
EPA ID: CAD983614447
Mailing address: ALVARADO ST
SAN LEANDRO, CA 94577
Contact: MIKE CONWAY
Contact address: 3004 ALVARADO ST
SAN LEANDRO, CA 94577
Contact country: US
Contact telephone: (510) 614-0171
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

Actual:
33 ft.

Owner/Operator Summary:

Owner/operator name: UNISOURCE
Owner/operator address: 3004 ALVARADO ST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNISOURCE (Continued)

1000597433

SAN LEANDRO, CA 94577

Owner/operator country: Not reported
Owner/operator telephone: (510) 614-0171
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: 110002865784

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1000597433
Registry ID: 110002865784
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002865784

K58
SSE
1/8-1/4
0.217 mi.
1147 ft.

STANDARD T CHEMICAL COMPANY INC.
3016 ALVARADO STREET
SAN LEANDRO, CA 94577
Site 5 of 5 in cluster K

RCRA-SQG 1000310582
FINDS CAD046410833
ECHO

Relative:
Lower

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: STANDARD T CHEMICAL COMPANY INC.
Facility address: 3016 ALVARADO STREET
SAN LEANDRO, CA 94577
EPA ID: CAD046410833

Actual:
33 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STANDARD T CHEMICAL COMPANY INC. (Continued)

1000310582

Mailing address: ALVARADO STREET
SAN LEANDRO, CA 94577

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: STANDARD T CHEMICAL CO. INC.
Owner/operator address: 3016 ALVARADO STREET
CITY NOT REPORTED, CA 99999

Owner/operator country: Not reported
Owner/operator telephone: (415) 357-2900
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MONTGOMERY WARD & COMPANY INC.
Owner/operator address: TWO MONTGOMERY WARD PLAZA
CHICAGO, IL 60671

Owner/operator country: Not reported
Owner/operator telephone: (312) 467-2129
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
Used 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STANDARD T CHEMICAL COMPANY INC. (Continued)

1000310582

FINDS:

Registry ID: 110002646334

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1000310582
Registry ID: 110002646334
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002646334

**L59
WNW
1/8-1/4
0.221 mi.
1166 ft.**

**NOVA INDUSTRIES INCORPORATED
999 MONTAGUE AVENUE
SAN LEANDRO, CA 94577**

Site 1 of 5 in cluster L

**RCRA-SQG 1000142731
FINDS CAD009126152
CA EMI
CA HIST CORTESE
ECHO**

**Relative:
Lower**

RCRA-SQG:

Date form received by agency: 04/18/2006
Facility name: NOVA INDUSTRIES
Facility address: 999 MONTAGUE ST
SAN LEANDRO, CA 94577
EPA ID: CAD009126152
Contact: CATHERINE L CHAPIN
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: (510) 357-3882
Contact email: NOVAINDUSTRIES@YAHOO.COM
EPA Region: 09
Land type: Private
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

**Actual:
37 ft.**

Owner/Operator Summary:

Owner/operator name: JAMES R. BORDEN
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/04/2005
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA INDUSTRIES INCORPORATED (Continued)

1000142731

Owner/operator name: HAYWARD INVESTMENTS
Owner/operator address: 686 MARIN DR
LEMOORE, CA 93245
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1965
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 04/18/2006
Site name: NOVA INDUSTRIES
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 09/01/1996
Site name: NOVA INDUSTRIES INC
Classification: Small Quantity Generator

Date form received by agency: 07/11/1980
Site name: NOVA INDUSTRIES INC
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 02/24/1988
Date achieved compliance: 08/26/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/14/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA INDUSTRIES INCORPORATED (Continued)

1000142731

Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 02/24/1988
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/24/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/26/1988
Evaluation lead agency: State

FINDS:

Registry ID: 110001198944

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 AIR POLLUTANT MAJOR

HAZARDOUS WASTE BIENNIAL REPORTER

EMI:

Year: 1987
County Code: 1
Air Basin: SF
Facility ID: 2556
Air District Name: BA
SIC Code: 3699
Air District Name: BAY AREA 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 Smlr Tons/Yr: 0

Year: 1990
County Code: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA INDUSTRIES INCORPORATED (Continued)

1000142731

Air Basin: SF
Facility ID: 2556
Air District Name: BA
SIC Code: 3699
Air District Name: BAY AREA 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 Smlr Tons/Yr:0

Year: 1995
County Code: 1
Air Basin: SF
Facility ID: 2556
Air District Name: BA
SIC Code: 3699
Air District Name: BAY AREA 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 Smlr Tons/Yr:0

Year: 1996
County Code: 1
Air Basin: SF
Facility ID: 2556
Air District Name: BA
SIC Code: 3699
Air District Name: BAY AREA 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 Smlr Tons/Yr:0

Year: 1997
County Code: 1
Air Basin: SF
Facility ID: 2556
Air District Name: BA
SIC Code: 3699
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA INDUSTRIES INCORPORATED (Continued)

1000142731

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1998
County Code: 1
Air Basin: SF
Facility ID: 2556
Air District Name: BA
SIC Code: 3699
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2003
County Code: 1
Air Basin: SF
Facility ID: 2556
Air District Name: BA
SIC Code: 3699
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2004
County Code: 1
Air Basin: SF
Facility ID: 2556
Air District Name: BA
SIC Code: 3699
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.093
Reactive Organic Gases Tons/Yr: 0.089749
Carbon Monoxide Emissions Tons/Yr: 0.01
NOX - Oxides of Nitrogen Tons/Yr: 0.041
SOX - Oxides of Sulphur Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA INDUSTRIES INCORPORATED (Continued)

1000142731

Particulate Matter Tons/Yr: 0.001
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.000574

Year: 2005
County Code: 1
Air Basin: SF
Facility ID: 2556
Air District Name: BA
SIC Code: 3699
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .093
Reactive Organic Gases Tons/Yr: .089749
Carbon Monoxide Emissions Tons/Yr: .012
NOX - Oxides of Nitrogen Tons/Yr: .046
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .001
Part. Matter 10 Micrometers and Smlr Tons/Yr:.000574

Year: 2006
County Code: 1
Air Basin: SF
Facility ID: 18118
Air District Name: BA
SIC Code: 3699
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .093
Reactive Organic Gases Tons/Yr: .089749
Carbon Monoxide Emissions Tons/Yr: .012
NOX - Oxides of Nitrogen Tons/Yr: .046
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .001
Part. Matter 10 Micrometers and Smlr Tons/Yr:.000574

Year: 2007
County Code: 1
Air Basin: SF
Facility ID: 18118
Air District Name: BA
SIC Code: 3699
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .002
Reactive Organic Gases Tons/Yr: .001661
Carbon Monoxide Emissions Tons/Yr: .012
NOX - Oxides of Nitrogen Tons/Yr: .048
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .001
Part. Matter 10 Micrometers and Smlr Tons/Yr:.000574

Year: 2008
County Code: 1
Air Basin: SF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA INDUSTRIES INCORPORATED (Continued)

1000142731

Facility ID: 18118
Air District Name: BA
SIC Code: 3699
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .584
Reactive Organic Gases Tons/Yr: .5764614
Carbon Monoxide Emissions Tons/Yr: .012
NOX - Oxides of Nitrogen Tons/Yr: .049
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .001
Part. Matter 10 Micrometers and Smlr Tons/Yr:.000574

Year: 2009
County Code: 1
Air Basin: SF
Facility ID: 18118
Air District Name: BA
SIC Code: 3699
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.58299999999999996
Reactive Organic Gases Tons/Yr: 0.57563089999999995
Carbon Monoxide Emissions Tons/Yr: 0.01
NOX - Oxides of Nitrogen Tons/Yr: 4.1000000000000002E-2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.001
Part. Matter 10 Micrometers and Smlr Tons/Yr:5.7399999999999997E-4

Year: 2010
County Code: 1
Air Basin: SF
Facility ID: 18118
Air District Name: BA
SIC Code: 3699
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.1099999999999999
Reactive Organic Gases Tons/Yr: 1.9898178
Carbon Monoxide Emissions Tons/Yr: 0.01
NOX - Oxides of Nitrogen Tons/Yr: 4.1000000000000002E-2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.00174216027874564
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.001

Year: 2011
County Code: 1
Air Basin: SF
Facility ID: 18118
Air District Name: BA
SIC Code: 3699
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA INDUSTRIES INCORPORATED (Continued)

1000142731

Total Organic Hydrocarbon Gases Tons/Yr: 2.11
Reactive Organic Gases Tons/Yr: 1.893767
Carbon Monoxide Emissions Tons/Yr: 0.01
NOX - Oxides of Nitrogen Tons/Yr: 0.041
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2012
County Code: 1
Air Basin: SF
Facility ID: 18118
Air District Name: BA
SIC Code: 3699
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3.459
Reactive Organic Gases Tons/Yr: 3.2413668
Carbon Monoxide Emissions Tons/Yr: 0.011
NOX - Oxides of Nitrogen Tons/Yr: 0.043
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.0017421602787
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.001

Year: 2013
County Code: 1
Air Basin: SF
Facility ID: 18118
Air District Name: BA
SIC Code: 3699
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3.459
Reactive Organic Gases Tons/Yr: 3.2413668
Carbon Monoxide Emissions Tons/Yr: 0.011
NOX - Oxides of Nitrogen Tons/Yr: 0.043
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.001
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.001

Year: 2014
County Code: 1
Air Basin: SF
Facility ID: 18118
Air District Name: BA
SIC Code: 3699
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3.243935492
Reactive Organic Gases Tons/Yr: 3.243470445
Carbon Monoxide Emissions Tons/Yr: 0.008566665
NOX - Oxides of Nitrogen Tons/Yr: 0.034323194
SOX - Oxides of Sulphur Tons/Yr: 0.000139085
Particulate Matter Tons/Yr: 0.000734286

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA INDUSTRIES INCORPORATED (Continued)

1000142731

Part. Matter 10 Micrometers and Smlr Tons/Yr:0.000734286

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 2556

ECHO:

Envid: 1000142731
Registry ID: 110001198944
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110001198944

M60
SSW
1/8-1/4
0.227 mi.
1196 ft.

GNB INC
2993 TEAGARDEN ST
SAN LEANDRO, CA 94577

RCRA-SQG **1000119317**
FINDS **CAD058779356**
ECHO

Site 1 of 3 in cluster M

Relative:
Lower

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: GNB INC
Facility address: 2993 TEAGARDEN ST
SAN LEANDRO, CA 94577

Actual:
34 ft.

EPA ID: CAD058779356
Contact: Not reported
Contact address: 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: GNB INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GNB INC (Continued)

1000119317

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: GNB INC
Classification: Small Quantity Generator

Date form received by agency: 08/11/1980
Site name: GNB INC
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002651853

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1000119317
Registry ID: 110002651853
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002651853

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

M61 DOHERTY N DUNNE
SSW 2972 TEAGARDEN
1/8-1/4 SAN LEANDRO, CA 94577
0.234 mi.
1234 ft. Site 2 of 3 in cluster M

RCRA-SQG 1000905329
FINDS CA0000486027
ECHO

Relative:
Lower

RCRA-SQG:

Date form received by agency: 07/28/1994
Facility name: DOHERTY N DUNNE
Facility address: 2972 TEAGARDEN
SAN LEANDRO, CA 94577
EPA ID: CA0000486027
Mailing address: TEAGARDEN
SAN LEANDRO, CA 94577
Contact: LAURA MAXWELL
Contact address: 2972 TEAGARDEN
SAN LEANDRO, CA 94577
Contact country: US
Contact telephone: (510) 483-6581
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

Actual:
33 ft.

Owner/Operator Summary:

Owner/operator name: PHIL DOHERTY
Owner/operator address: 1511 PARK ST
ALAMEDA, CA 94501
Owner/operator country: Not reported
Owner/operator telephone: (510) 522-2345
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

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DOHERTY N DUNNE (Continued)

1000905329

FINDS:

Registry ID: 110002618748

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1000905329
 Registry ID: 110002618748
 DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002618748

L62
West
1/8-1/4
0.236 mi.
1246 ft.

STELLA DIORO BISCUIT CO. OF CA
1000 MONTAGUE AVE
SAN LEANDRO, CA 94577

CA SWEEPS UST
CA HIST UST
CA FID UST

S101624151
N/A

Site 2 of 5 in cluster L

Relative:
Lower

SWEEPS UST:

Status: Not reported
 Comp Number: 20429
 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: 01-007-020429-000001
 Tank Status: Not reported
 Capacity: 1000
 Active Date: Not reported
 Tank Use: M.V. FUEL
 STG: PRODUCT
 Content: LEADED
 Number Of Tanks: 2

Actual:
36 ft.

Status: Not reported
 Comp Number: 20429
 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: 01-007-020429-000002
 Tank Status: Not reported
 Capacity: 1000
 Active Date: Not reported
 Tank Use: M.V. FUEL
 STG: PRODUCT
 Content: DIESEL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STELLA DIORO BISCUIT CO. OF CA (Continued)

S101624151

Number Of Tanks: Not reported

HIST UST:

File Number: 0003639C
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0003639C.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: 01001539
Regulated By: UTKNI
Regulated ID: 00020429
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4153572300
Mail To: Not reported
Mailing Address: 1000 MONTAGUE AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94577
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

L63
West
1/8-1/4
0.236 mi.
1246 ft.

MARATHON PACKING CORP
1000 MONTAGUE ST
SAN LEANDRO, CA 94577
Site 3 of 5 in cluster L

CA LUST U001598482
CA HIST CORTESE N/A
CA NPDES

Relative:
Lower

LUST:
Region: STATE
Global Id: T0600101316
Latitude: 37.710131
Longitude: -122.1579988

Actual:
36 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARATHON PACKING CORP (Continued)

U001598482

Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/29/1998
Lead Agency: SAN LEANDRO, CITY OF
Case Worker: UNK
Local Agency: SAN LEANDRO, CITY OF
RB Case Number: 01-1425
LOC Case Number: 01-1425
File Location: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0600101316
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0600101316
Contact Type: Local Agency Caseworker
Contact Name: UNK
Organization Name: SAN LEANDRO, CITY OF
Address: Not reported
City: r2 UNKNOWN
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600101316
Status: Completed - Case Closed
Status Date: 04/29/1998

Global Id: T0600101316
Status: Open - Case Begin Date
Status Date: 09/17/1986

Regulatory Activities:

Global Id: T0600101316
Action Type: Other
Date: 09/17/1986
Action: Leak Stopped

Global Id: T0600101316
Action Type: Other
Date: 09/17/1986
Action: Leak Discovery

Global Id: T0600101316
Action Type: Other
Date: 09/17/1986

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARATHON PACKING CORP (Continued)

U001598482

Action: Leak Reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1425

NPDES:

Npdes Number: CAS000001
Facility Status: Active
Agency Id: 0
Region: 2
Regulatory Measure Id: 332044
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 2 011021155
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 09/20/2007
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Marathon Packing Corp
Discharge Address: 1000 Montague St
Discharge City: San Leandro
Discharge State: California
Discharge Zip: 94577
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported
PLACE SIZE UNIT: Not reported
FACILITY CONTACT NAME: Not reported
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: Not reported
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: Not reported
OPERATOR NAME: Not reported
OPERATOR ADDRESS: Not reported
OPERATOR CITY: Not reported
OPERATOR STATE: Not reported
OPERATOR ZIP: Not reported
OPERATOR CONTACT NAME: Not reported
OPERATOR CONTACT TITLE: Not reported
OPERATOR CONTACT PHONE: Not reported
OPERATOR CONTACT PHONE EXT: Not reported
OPERATOR CONTACT EMAIL: Not reported
OPERATOR TYPE: Not reported
DEVELOPER NAME: Not reported
DEVELOPER ADDRESS: Not reported
DEVELOPER CITY: Not reported
DEVELOPER STATE: Not reported
DEVELOPER ZIP: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARATHON PACKING CORP (Continued)

U001598482

DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	2
Regulatory Measure Id:	332044
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	2 011021155
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	9/20/2007
STATUS CODE NAME:	Active
STATUS DATE:	9/20/2007
PLACE SIZE:	1.78
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Micheal Weissenberger
FACILITY CONTACT TITLE:	Vice President

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARATHON PACKING CORP (Continued)

U001598482

FACILITY CONTACT PHONE:	510-895-2000
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	mwsfo@mindspring.com
OPERATOR NAME:	Marathon Packing Corp
OPERATOR ADDRESS:	1000 Montague St
OPERATOR CITY:	San Leandro
OPERATOR STATE:	California
OPERATOR ZIP:	94577
OPERATOR CONTACT NAME:	Wace Kon
OPERATOR CONTACT TITLE:	Quality Assurance Specialist
OPERATOR CONTACT PHONE:	510-895-2000
OPERATOR CONTACT PHONE EXT:	15
OPERATOR CONTACT EMAIL:	wace.kon@marathonpacking.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	San Francisco Bay
CERTIFIER NAME:	Wace Kon
CERTIFIER TITLE:	Quality Assurance Specialist
CERTIFICATION DATE:	06-OCT-15
PRIMARY SIC:	2079-Shortening, Table Oils, Margarine, and Other Edible Fats and Oils, NEC
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

MAP FINDINGS

Map ID Direction Distance Elevation		Database(s)	EDR ID Number EPA ID Number
--	--	-------------	--------------------------------

L64 West 1/8-1/4 0.236 mi. 1246 ft.	STELLA D'ORO BISCUIT COMPANY 1000 MONTAGUE AVE SAN LEANDRO, CA 94577 Site 4 of 5 in cluster L	CA LUST	S105033967 N/A
--	---	----------------	--------------------------

Relative: Lower	LUST REG 2: Region: 2 Facility Id: 01-1425 Facility Status: Case Closed Case Number: 01-1425 How Discovered: Tank Closure Leak Cause: Structure Failure Leak Source: Tank Date Leak Confirmed: Not reported Oversight Program: LUST Prelim. Site Assessment Wokplan Submitted: Not reported Preliminary Site Assessment Began: Not reported Pollution Characterization Began: Not reported Pollution Remediation Plan Submitted: Not reported Date Remediation Action Underway: Not reported Date Post Remedial Action Monitoring Began: Not reported
Actual: 36 ft.	

L65 West 1/8-1/4 0.243 mi. 1282 ft.	SHERWIN-WILLIAMS #4394 1033 MONTAGUE ST SAN LEANDRO, CA 94577 Site 5 of 5 in cluster L	RCRA-LQG	1010562341 CAR000189894
--	--	-----------------	--

Relative: Lower	RCRA-LQG: Date form received by agency: 03/01/2014 Facility name: SHERWIN-WILLIAMS #4394 Facility address: 1033 MONTAGUE ST SAN LEANDRO, CA 94577 EPA ID: CAR000189894 Mailing address: MONTAGUE ST SAN LEANDRO, CA 94577 Contact: AARON TRUITT Contact address: MONTAGUE ST SAN LEANDRO, CA 94577 Contact country: Not reported Contact telephone: (510) 483-0520 Contact email: SWP4394@SHERWIN.COM EPA Region: 09 Classification: Large Quantity Generator Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time
Actual: 36 ft.	

Owner/Operator Summary:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHERWIN-WILLIAMS #4394 (Continued)

1010562341

Owner/operator name: THE FARRAR LIVING TRUST
Owner/operator address: PO BOX 1701
CHICO, CA 95927
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1998
Owner/Op end date: Not reported

Owner/operator name: THE FARRAR LIVING TRUST
Owner/operator address: PO BOX 1707
CHICO, CA 95927
Owner/operator country: Not reported
Owner/operator telephone: (619) 420-9764
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1988
Owner/Op end date: Not reported

Owner/operator name: THE SHERWIN-WILLIAMS COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/01/2007
Owner/Op end date: Not reported

Owner/operator name: THE SHERWIN WILLIAMS CO
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/01/2007
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHERWIN-WILLIAMS #4394 (Continued)

1010562341

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Pesticides
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Historical Generators:

Date form received by agency: 11/05/2012
Site name: SHERWIN-WILLIAMS #4394
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Date form received by agency: 04/21/2010
Site name: SHERWIN WILLIAMS NO 4394
Classification: Small Quantity Generator

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 352
. Waste name: 352

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Date form received by agency: 01/28/2008
Site name: SHERWIN WILLIAMS CO
Classification: Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHERWIN-WILLIAMS #4394 (Continued)

1010562341

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-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): 16123

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 16123

Violation Status: No violations found

66
NE
1/8-1/4
0.246 mi.
1298 ft.

STAEFA CONTROL SYSTEM
2481 WASHINGTON AVE
SAN LEANDRO, CA 94577

SEMS-ARCHIVE 1003879360
CAD982400228

Relative:
Higher

SEMS-ARCHIVE:
Site ID: 903268
EPA ID: CAD982400228
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Actual:
52 ft.

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0903268
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13286118.00000
Person ID: 13003854.00000

Contact Sequence ID: 13291713.00000
Person ID: 13003858.00000

Contact Sequence ID: 13297571.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STAEFA CONTROL SYSTEM (Continued)

1003879360

Action: DISCOVERY
Date Started: / /
Date Completed: 06/01/88
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 10/06/89
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 10/06/89
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

M67
SSW
1/8-1/4
0.247 mi.
1302 ft.

PERFECT REFLECTIONS
2954 TEAGARDEN ST
SAN LEANDRO, CA 94577

RCRA-SQG **1000228130**
FINDS **CAD981633878**
CA HAZNET
ECHO

Site 3 of 3 in cluster M

Relative:
Lower

RCRA-SQG:

Date form received by agency: 02/13/1987
Facility name: PERFECT REFLECTIONS
Facility address: 2954 TEAGARDEN ST
SAN LEANDRO, CA 94577
EPA ID: CAD981633878
Mailing address: TEAGARDEN ST
SAN LEANDRO, CA 94577
Contact: ENVIRONMENTAL MANAGER
Contact address: 2954 TEAGARDEN ST
SAN LEANDRO, CA 94577
Contact country: US
Contact telephone: (415) 483-9616
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

Actual:
32 ft.

Owner/Operator Summary:

Owner/operator name: BRIAN HOYT/WYKK KEEHNER
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PERFECT REFLECTIONS (Continued)

1000228130

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002731802

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.

HAZNET:

envid: 1000228130
Year: 1999
GEPaid: CAD981633878
Contact: PERFECT REFLECTIONS
Telephone: 4154839616
Mailing Name: Not reported
Mailing Address: 2954 TEAGARDEN ST
Mailing City,St,Zip: SAN LEANDRO, CA 945775719
Gen County: Not reported
TSD EPA ID: CA0000084517
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Tons: .0360
Cat Decode: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Decode: Transfer Station
Facility County: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PERFECT REFLECTIONS (Continued)

1000228130

envid: 1000228130
Year: 1998
GEPaid: CAD981633878
Contact: PERFECT REFLECTIONS
Telephone: 4154839616
Mailing Name: Not reported
Mailing Address: 2954 TEAGARDEN ST
Mailing City,St,Zip: SAN LEANDRO, CA 945775719
Gen County: Not reported
TSD EPA ID: CA0000084517
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Tons: .1080
Cat Decode: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Decode: Transfer Station
Facility County: 1

envid: 1000228130
Year: 1997
GEPaid: CAD981633878
Contact: PERFECT REFLECTIONS
Telephone: 4154839616
Mailing Name: Not reported
Mailing Address: 2954 TEAGARDEN ST
Mailing City,St,Zip: SAN LEANDRO, CA 945775719
Gen County: Not reported
TSD EPA ID: CA0000084517
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Tons: .0900
Cat Decode: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Decode: Transfer Station
Facility County: 1

envid: 1000228130
Year: 1997
GEPaid: CAD981633878
Contact: PERFECT REFLECTIONS
Telephone: 4154839616
Mailing Name: Not reported
Mailing Address: 2954 TEAGARDEN ST
Mailing City,St,Zip: SAN LEANDRO, CA 945775719
Gen County: Not reported
TSD EPA ID: CA0000084517
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Not reported
Tons: .0180
Cat Decode: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Decode: Not reported
Facility County: 1

envid: 1000228130
Year: 1996
GEPaid: CAD981633878

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PERFECT REFLECTIONS (Continued)

1000228130

Contact: PERFECT REFLECTIONS
Telephone: 4154839616
Mailing Name: Not reported
Mailing Address: 2954 TEAGARDEN ST
Mailing City,St,Zip: SAN LEANDRO, CA 945775719
Gen County: Not reported
TSD EPA ID: CA0000084517
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Tons: .0720
Cat Decode: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Decode: Transfer Station
Facility County: 1

[Click this hyperlink](#) while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

ECHO:

Envid: 1000228130
Registry ID: 110002731802
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002731802

68
SSW
1/8-1/4
0.249 mi.
1317 ft.

DURA STRIP OF SAN LEANDRO
2996 TEAGARDEN ST
SAN LEANDRO, CA 94577

RCRA-SQG 1000143261
FINDS CAD981448368
ECHO

Relative:
Lower

RCRA-SQG:

Date form received by agency: 03/04/1986
Facility name: DURA STRIP OF SAN LEANDRO
Facility address: 2996 TEAGARDEN ST
SAN LEANDRO, CA 94577
EPA ID: CAD981448368
Contact: ENVIRONMENTAL MANAGER
Contact address: 2996 TEAGARDEN ST
SAN LEANDRO, CA 94577
Contact country: US
Contact telephone: (415) 352-1100
Contact email: Not reported
EPA Region: 09
Land type: Other land type
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: W H DICK
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DURA STRIP OF SAN LEANDRO (Continued)

1000143261

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Facility Has Received Notices of Violations:

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 07/23/1986
Date achieved compliance: 07/23/1991
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 07/23/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/23/1991
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002710585

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DURA STRIP OF SAN LEANDRO (Continued)

1000143261

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1000143261
Registry ID: 110002710585
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002710585

N69
NW
1/4-1/2
0.253 mi.
1337 ft.

PECHINEY PLASTIC PACKAGING INC *D
2450 ALVARADO ST
SAN LEANDRO, CA 94577
Site 1 of 3 in cluster N

Relative:
Higher

Actual:
43 ft.

CA LUST 1000267855
CA SLIC CAD046412292
CA Alameda County CS
CA SWEEPS UST
CA HIST UST
CA FID UST
RCRA NonGen / NLR
US AIRS
CA EMI
CA HIST CORTESE
NY MANIFEST
CA WDS

LUST:

Region: STATE
Global Id: T0600101955
Latitude: 37.712389
Longitude: -122.155497
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/13/1996
Lead Agency: ALAMEDA COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: NA
LOC Case Number: RO0000686
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0600101955
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PECHINEY PLASTIC PACKAGING INC *D (Continued)

1000267855

Status History:

Global Id: T0600101955
Status: Completed - Case Closed
Status Date: 02/13/1996

Global Id: T0600101955
Status: Open - Case Begin Date
Status Date: 09/05/1986

Regulatory Activities:

Global Id: T0600101955
Action Type: REMEDIATION
Date: 09/09/9999
Action: Not reported

Global Id: T0600101955
Action Type: Other
Date: 09/05/1986
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-2129
Facility Status: Case Closed
Case Number: 1792
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 1/26/1996
Oversight Program: LUST
Prelim. Site Assessment Wokplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

SLIC:

Region: STATE
Facility Status: Completed - Case Closed
Status Date: 08/13/2004
Global Id: T0600191478
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number: Not reported
Latitude: 37.712389
Longitude: -122.155497
Case Type: Cleanup Program Site
Case Worker: UUU
Local Agency: Not reported
RB Case Number: 01S0047
File Location: Not reported
Potential Media Affected: Soil
Potential Contaminants of Concern: Alcohols
Site History: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PECHINEY PLASTIC PACKAGING INC *D (Continued)

1000267855

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 2:

Region: 2
Facility ID: 01S0047
Facility Status: Case Closed
Date Closed: 8/13/2004
Local Case #: Not reported
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Confirmed: Not reported
Date Prelim Site Assmnt Workplan Submitted: 5/30/1989
Date Preliminary Site Assessment Began: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:

Status: Case Closed
Record Id: RO0000686
PE: 5602
Facility Status: Case Closed

SWEEPS UST:

Status: Not reported
Comp Number: 16664
Number: Not reported
Board Of Equalization: 44-001097
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-016664-000001
Tank Status: Not reported
Capacity: 3000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: 5

Status: Not reported
Comp Number: 16664
Number: Not reported
Board Of Equalization: 44-001097
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-016664-000002
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PECHINEY PLASTIC PACKAGING INC *D (Continued)

1000267855

Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 16664
Number: Not reported
Board Of Equalization: 44-001097
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-016664-000003
Tank Status: Not reported
Capacity: 3000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 16664
Number: Not reported
Board Of Equalization: 44-001097
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-016664-000004
Tank Status: Not reported
Capacity: 3000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 16664
Number: Not reported
Board Of Equalization: 44-001097
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-016664-000005
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

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PECHINEY PLASTIC PACKAGING INC *D (Continued)

1000267855

HIST UST:

File Number: 00036221
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00036221.pdf>
Region: STATE
Facility ID: 00000016664
Facility Type: Other
Other Type: MANUFACTURER
Contact Name: ROBERT KERNER
Telephone: 4153522262
Owner Name: PACKAGING INDUSTRIES, INC
Owner Address: 245/ ALVARADO ST.
Owner City,St,Zip: SAN LEANDRO, CA 94577
Total Tanks: 0005

Tank Num: 001
Container Num: S-9
Year Installed: 1980
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 3/16
Leak Detection: Vapor Sniff Well

Tank Num: 002
Container Num: S-26
Year Installed: 1972
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 12
Leak Detection: Vapor Sniff Well

Tank Num: 003
Container Num: S-11
Year Installed: 1980
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 3/16
Leak Detection: Vapor Sniff Well

Tank Num: 004
Container Num: S-10
Year Installed: 1980
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 3/16
Leak Detection: Vapor Sniff Well

Tank Num: 005
Container Num: S-25
Year Installed: 1972
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 12

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MAP FINDINGS

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EPA ID Number

PECHINEY PLASTIC PACKAGING INC *D (Continued)

1000267855

Leak Detection: Vapor Sniff Well

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID: 01002387
Regulated By: UTNKI
Regulated ID: 00016664
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4153522262
Mail To: Not reported
Mailing Address: 245 ALVARADO ST
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94577
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: 06/25/2007
Facility name: PECHINEY PLASTIC PACKAGING INC *D
Facility address: 2450 ALVARADO ST
SAN LEANDRO, CA 94577
EPA ID: CAD046412292
Mailing address: PO BOX 325
6590 CENTRAL
NEWARK, CA 94560
Contact: CHUCK S PERSHING
Contact address: PO BOX 325 6590 CENTRAL
NEWARK, CA 94560
Contact country: US
Contact telephone: 510-745-1357
Contact email: CHUCK.PERSHING@ALCAN.COM
EPA Region: 09
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: PECHINEY PLASTIC PACKAGING, INC
Owner/operator address: 8770 WEST BRYN MAWR AVE.
CHICAGO, IL 60631
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/01/2000
Owner/Op end date: Not reported
Owner/operator name: PECHINEY PLASTIC PACKAGING, INC
Owner/operator address: Not reported

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PECHINEY PLASTIC PACKAGING INC *D (Continued)

1000267855

Owner/operator country: Not reported
US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/01/2000
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/15/2006

Site name: PECHINEY PLASTIC PACKAGING, INC.
Classification: Large Quantity Generator

. Waste code: 133
. Waste name: 133

. Waste code: 134
. Waste name: 134

. Waste code: 212
. Waste name: 212

. Waste code: 352
. Waste name: 352

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

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PECHINEY PLASTIC PACKAGING INC *D (Continued)

1000267855

Date form received by agency: 02/26/2004

Site name: PECHINEY PLASTIC PACKAGING, INC - PPSL

Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/18/2002

Site name: JPS PACKAGING

Classification: Large Quantity Generator

. Waste code: 212
. Waste name: 212

. Waste code: 272
. Waste name: 272

. Waste code: 352
. Waste name: 352

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED

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PECHINEY PLASTIC PACKAGING INC *D (Continued)

1000267855

SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 01/15/2002

Site name: PECHINEY PLASTIC PACKAGING INC
Classification: Large Quantity Generator

- . Waste code: D000
- . Waste name: Not Defined
- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D009
- . Waste name: MERCURY
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 09/01/1996

Site name: PECHINEY PLASTIC PACKAGING INC
Classification: Large Quantity Generator

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Database(s)

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EPA ID Number

PECHINEY PLASTIC PACKAGING INC *D (Continued)

1000267855

Date form received by agency: 01/08/1992
Site name: PACKAGING INDUSTRIES INC
Classification: Large Quantity Generator

Date form received by agency: 04/10/1990
Site name: PACKAGING INDUSTRIES INC
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 12/23/2005
Date achieved compliance: 01/20/2006
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 01/05/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 560
Paid penalty amount: 560

Evaluation Action Summary:

Evaluation date: 04/24/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/09/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/17/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/23/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/20/2006
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 06/30/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 08/11/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

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Database(s)

EDR ID Number
EPA ID Number

PECHINEY PLASTIC PACKAGING INC *D (Continued)

1000267855

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 09/12/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 03/24/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

US AIRS (AFS):

Envid: 1000267855
Region Code: 09
County Code: CA001
Programmatic ID: AIR CABAA00006001A0401
Facility Registry ID: 110000483539
D and B Number: Not reported
Facility Site Name: PECHINEY PLASTIC PACKAGING, INC
Primary SIC Code: 2751
NAICS Code: 323112
Default Air Classification Code: SMI
Facility Type of Ownership Code: POF
Air CMS Category Code: OTH
HPV Status: Not reported

US AIRS (AFS):

Region Code: 09
Programmatic ID: AIR CABAA00006001A0401
Facility Registry ID: 110000483539
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 1996-11-09 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CABAA00006001A0401
Facility Registry ID: 110000483539
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 1999-10-27 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CABAA00006001A0401

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PECHINEY PLASTIC PACKAGING INC *D (Continued)

1000267855

Facility Registry ID: 110000483539
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2006-03-10 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CABAA00006001A0401
Facility Registry ID: 110000483539
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-01-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006001A0401
Facility Registry ID: 110000483539
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-08-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006001A0401
Facility Registry ID: 110000483539
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-07-15 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 CABAA00006001A0401
Facility Registry ID: 110000483539
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-04-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
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PECHINEY PLASTIC PACKAGING INC *D (Continued)

1000267855

Region Code: 09
Programmatic ID: AIR CABAA00006001A0401
Facility Registry ID: 110000483539
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-08-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006001A0401
Facility Registry ID: 110000483539
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-07-08 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 CABAA00006001A0401
Facility Registry ID: 110000483539
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006001A0401
Facility Registry ID: 110000483539
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-03-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006001A0401
Facility Registry ID: 110000483539
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

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EDR ID Number
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PECHINEY PLASTIC PACKAGING INC *D (Continued)

1000267855

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006001A0401
Facility Registry ID: 110000483539
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-10-22 00:00:00
Activity Status Date: 1996-10-22 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CABAA00006001A0401
Facility Registry ID: 110000483539
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-08-24 00:00:00
Activity Status Date: 1999-08-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CABAA00006001A0401
Facility Registry ID: 110000483539
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-09-19 00:00:00
Activity Status Date: 2003-09-19 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CABAA00006001A0401
Facility Registry ID: 110000483539
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-04-03 00:00:00
Activity Status Date: 1996-04-03 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CABAA00006001A0401
Facility Registry ID: 110000483539
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

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PECHINEY PLASTIC PACKAGING INC *D (Continued)

1000267855

Activity Date: 1998-08-05 00:00:00
Activity Status Date: 1998-08-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CABAA00006001A0401
Facility Registry ID: 110000483539
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-06-18 00:00:00
Activity Status Date: 2003-06-18 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

EMI:

Year: 1987
County Code: 1
Air Basin: SF
Facility ID: 401
Air District Name: BA
SIC Code: 2751
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 138
Reactive Organic Gases Tons/Yr: 138
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1990
County Code: 1
Air Basin: SF
Facility ID: 401
Air District Name: BA
SIC Code: 2759
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 73
Reactive Organic Gases Tons/Yr: 73
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1995
County Code: 1
Air Basin: SF

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EDR ID Number
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PECHINEY PLASTIC PACKAGING INC *D (Continued)

1000267855

Facility ID: 401
Air District Name: BA
SIC Code: 2759
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 75
Reactive Organic Gases Tons/Yr: 75
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1996
County Code: 1
Air Basin: SF
Facility ID: 401
Air District Name: BA
SIC Code: 2759
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 44
Reactive Organic Gases Tons/Yr: 43
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1997
County Code: 1
Air Basin: SF
Facility ID: 401
Air District Name: BA
SIC Code: 2759
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 44
Reactive Organic Gases Tons/Yr: 43
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1998
County Code: 1
Air Basin: SF
Facility ID: 401
Air District Name: BA
SIC Code: 2759
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

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Database(s)

EDR ID Number
EPA ID Number

PECHINEY PLASTIC PACKAGING INC *D (Continued)

1000267855

Total Organic Hydrocarbon Gases Tons/Yr: 93
Reactive Organic Gases Tons/Yr: 92
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 7
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1999
County Code: 1
Air Basin: SF
Facility ID: 401
Air District Name: BA
SIC Code: 2759
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 48
Reactive Organic Gases Tons/Yr: 47
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 6
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2000
County Code: 1
Air Basin: SF
Facility ID: 401
Air District Name: BA
SIC Code: 2759
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 48
Reactive Organic Gases Tons/Yr: 47
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 6
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2001
County Code: 1
Air Basin: SF
Facility ID: 401
Air District Name: BA
SIC Code: 2759
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 19
Reactive Organic Gases Tons/Yr: 19
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PECHINEY PLASTIC PACKAGING INC *D (Continued)

1000267855

Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2002
County Code: 1
Air Basin: SF
Facility ID: 401
Air District Name: BA
SIC Code: 3081
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 27
Reactive Organic Gases Tons/Yr: 27
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 Smlr Tons/Yr:0

Year: 2003
County Code: 1
Air Basin: SF
Facility ID: 401
Air District Name: BA
SIC Code: 3081
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 125
Reactive Organic Gases Tons/Yr: 124
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 Smlr Tons/Yr:0

Year: 2004
County Code: 1
Air Basin: SF
Facility ID: 401
Air District Name: BA
SIC Code: 3081
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 41.517
Reactive Organic Gases Tons/Yr: 40.999983
Carbon Monoxide Emissions Tons/Yr: 0.124
NOX - Oxides of Nitrogen Tons/Yr: 1.424
SOX - Oxides of Sulphur Tons/Yr: 0.001
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2005
County Code: 1
Air Basin: SF
Facility ID: 401

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PECHINEY PLASTIC PACKAGING INC *D (Continued)

1000267855

Air District Name: BA
SIC Code: 3081
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 24.931
Reactive Organic Gases Tons/Yr: 24.929983
Carbon Monoxide Emissions Tons/Yr: .127
NOX - Oxides of Nitrogen Tons/Yr: 1.117
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2006
County Code: 1
Air Basin: SF
Facility ID: 401
Air District Name: BA
SIC Code: 3081
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3.252
Reactive Organic Gases Tons/Yr: 3.251661
Carbon Monoxide Emissions Tons/Yr: .043
NOX - Oxides of Nitrogen Tons/Yr: .84
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2007
County Code: 1
Air Basin: SF
Facility ID: 401
Air District Name: BA
SIC Code: 3081
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3.252
Reactive Organic Gases Tons/Yr: 3.251661
Carbon Monoxide Emissions Tons/Yr: .043
NOX - Oxides of Nitrogen Tons/Yr: .84
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-2129

NY MANIFEST:

Country: USA
EPA ID: CAD046412292

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PECHINEY PLASTIC PACKAGING INC *D (Continued)

1000267855

Facility Status: Not reported
Location Address 1: 2450 ALVARADO ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: SAN LEANDRO
Location State: CA
Location Zip: 94577
Location Zip 4: Not reported

NY MANIFEST:

EPAID: CAD046412292
Mailing Name: SEALRIGHT FLEXIBLE PACKAGING
Mailing Contact: N/S
Mailing Address 1: 2450 ALVARDO ST
Mailing Address 2: Not reported
Mailing City: SAN LEANDRO
Mailing State: CA
Mailing Zip: 94577
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 5103522262

NY MANIFEST:

Document ID: NYG1356948
Manifest Status: Not reported
seq: 01
Year: 1998
Trans1 State ID: Not reported
Trans2 State ID: Not reported
Generator Ship Date: 09/18/1998
Trans1 Recv Date: 09/18/1998
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/07/1998
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: CAD046412292
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID 1: NYD045604964
TSDF ID 2: Not reported
Manifest Tracking Number: Not reported
Import Indicator: Not reported
Export Indicator: Not reported
Discr Quantity Indicator: Not reported
Discr Type Indicator: Not reported
Discr Residue Indicator: Not reported
Discr Partial Reject Indicator: Not reported
Discr Full Reject Indicator: Not reported
Manifest Ref Number: Not reported
Alt Facility RCRA ID: Not reported
Alt Facility Sign Date: Not reported
MGMT Method Type Code: Not reported
Waste Code: D011 - SILVER 5.0 MG/L TCLP
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PECHINEY PLASTIC PACKAGING INC *D (Continued)

1000267855

Waste Code: Not reported
Waste Code: Not reported
Quantity: 00015
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00

WDS:

Facility ID: San Francisco Bay 011017175
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: 2
Facility Telephone: 5103522262
Facility Contact: CHUCK PERSHING
Agency Name: PECHINEY PLASTIC PACKAGING INC
Agency Address: 2450 Alvarado St
Agency City,St,Zip: San Leandro 945774316
Agency Contact: CHUCK PERSHING
Agency Telephone: 5103522262
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 those who 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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

O70
WSW
1/4-1/2
0.258 mi.
1362 ft.
S.L.U.S.D.
1145 ALADDIN AVE
SAN LEANDRO, CA 94577
Site 1 of 2 in cluster O

CA LUST
CA SWEEPS UST
CA HIST UST
CA FID UST
CA HIST CORTESE
S101580126
N/A

Relative:
Lower

LUST:
Region: STATE
Global Id: T0600101192
Latitude: 37.707795819
Longitude: -122.158315
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 10/11/1995
Lead Agency: SAN LEANDRO, CITY OF
Case Worker: UNK
Local Agency: SAN LEANDRO, CITY OF
RB Case Number: 01-1296
LOC Case Number: 01-1296
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Actual:
31 ft.

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0600101192
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0600101192
Contact Type: Local Agency Caseworker
Contact Name: UNK
Organization Name: SAN LEANDRO, CITY OF
Address: Not reported
City: r2 UNKNOWN
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600101192
Status: Completed - Case Closed
Status Date: 10/11/1995

Global Id: T0600101192
Status: Open - Case Begin Date
Status Date: 02/20/1987

Global Id: T0600101192
Status: Open - Site Assessment
Status Date: 02/20/1987

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S.L.U.S.D. (Continued)

S101580126

Regulatory Activities:

Global Id: T0600101192
Action Type: Other
Date: 04/29/1987
Action: Leak Stopped

Global Id: T0600101192
Action Type: Other
Date: 04/29/1987
Action: Leak Discovery

Global Id: T0600101192
Action Type: Other
Date: 04/29/1987
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-1296
Facility Status: Case Closed
Case Number: 01-1296
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 2/20/1987
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

SWEEPS UST:

Status: Active
Comp Number: 56756
Number: 4
Board Of Equalization: 44-001163
Referral Date: 07-16-91
Action Date: 07-16-91
Created Date: 02-29-88
Owner Tank Id: 3
SWRCB Tank Id: 01-007-056756-000003
Tank Status: A
Capacity: 10000
Active Date: 07-12-89
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 1

HIST UST:

File Number: 000362FB
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000362FB.pdf>

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S.L.U.S.D. (Continued)

S101580126

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: 01001410
Regulated By: UTNKA
Regulated ID: 00056756
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4155773046
Mail To: Not reported
Mailing Address: 1145 ALADDIN AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94577
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1296

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

P71
NE
1/4-1/2
0.276 mi.
1455 ft.

STAEFA CO
2481 SAN LEANDRO BLVD
SAN LEANDRO, CA 94577

CA ENVIROSTOR
CA VCP
CA HAZNET

S112856670
N/A

Site 1 of 2 in cluster P

Relative:
Higher

ENVIROSTOR:

Actual:
52 ft.

Facility ID: 1380001
Status: No Further Action
Status Date: 07/12/2001
Site Code: 200648
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 1.4
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Jayantha Randeni
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Assembly: 18
Senate: 09
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 37.71311
Longitude: -122.1495
APN: 075-0084-014-05, 75-84-14-5
Past Use: MANUFACTURING - INDUSTRIAL MACHINERY
Potential COC: Tetrachloroethylene (PCE Trichloroethylene (TCE 1,2-Dichloroethylene (cis
Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE 1,2-Dichloroethylene (cis
Potential Description: OTH, SOIL
Alias Name: Not reported
Alias Type: Not reported

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

VCP:

Facility ID: 1380001
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STAEFA CO (Continued)

S112856670

Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.4
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Jayantha Randeni
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Site Code: 200648
Assembly: 18
Senate: 09
Special Programs Code: Not reported
Status: No Further Action
Status Date: 07/12/2001
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 37.71311 / -122.1495
APN: 075-0084-014-05, 75-84-14-5
Past Use: MANUFACTURING - INDUSTRIAL MACHINERY
Potential COC: 30022, 30027, 30195
Confirmed COC: 30022,30027,30195
Potential Description: OTH, SOIL
Alias Name: Not reported
Alias Type: Not reported

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

HAZNET:

envid: S112856670
Year: 1994
GEPaid: CAC000962528
Contact: STAEFA CO
Telephone: 5105823127
Mailing Name: Not reported
Mailing Address: PO BOX 1812
Mailing City,St,Zip: SAN LEANDRO, CA 945770000
Gen County: Not reported
TSD EPA ID: CAD981388952
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STAEFA CO (Continued)

S112856670

Tons: .8428
Cat Decode: Asbestos containing waste
Method Decode: Disposal, Land Fill
Facility County: 1

envid: S112856670
Year: 1994
GEPaid: CAC000962528
Contact: STAEFA CO
Telephone: 5105823127
Mailing Name: Not reported
Mailing Address: PO BOX 1812
Mailing City,St,Zip: SAN LEANDRO, CA 945770000
Gen County: Not reported
TSD EPA ID: CAD981388952
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Not reported
Tons: .8428
Cat Decode: Asbestos containing waste
Method Decode: Not reported
Facility County: 1

72
ESE
1/4-1/2
0.286 mi.
1510 ft.

295 139TH AVE
295 139TH AVE
SAN LEANDRO, CA 94578

CA Alameda County CS **S113036991**
CA HAZNET **N/A**

Relative:
Lower

Alameda County CS:
Status: Leak Confirmation
Record Id: RO0003214
PE: 5502
Facility Status: Leak Confirmation

Actual:
41 ft.

HAZNET:

envid: S113036991
Year: 2001
GEPaid: CAL000038569
Contact: DANNY DICKINSON
Telephone: 5104817839
Mailing Name: Not reported
Mailing Address: 295 139TH AVE
Mailing City,St,Zip: SAN LEANDRO, CA 945783215
Gen County: Not reported
TSD EPA ID: CA0000084517
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Tons: 0.05
Cat Decode: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Decode: Transfer Station
Facility County: Alameda

envid: S113036991
Year: 2001
GEPaid: CAL000038569

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

295 139TH AVE (Continued)

S113036991

Contact: DANNY DICKINSON
Telephone: 5104817839
Mailing Name: Not reported
Mailing Address: 295 139TH AVE
Mailing City,St,Zip: SAN LEANDRO, CA 945783215
Gen County: Not reported
TSD EPA ID: CA0000084517
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Tons: 0.05
Cat Decode: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Decode: Transfer Station
Facility County: Alameda

envid: S113036991
Year: 1999
GEPaid: CAL000038569
Contact: DANNY DICKENSON
Telephone: 5104817839
Mailing Name: Not reported
Mailing Address: 295 139TH AVE
Mailing City,St,Zip: SAN LEANDRO, CA 945783215
Gen County: Not reported
TSD EPA ID: CA0000084517
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Tons: .1160
Cat Decode: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Decode: Transfer Station
Facility County: 1

envid: S113036991
Year: 1999
GEPaid: CAL000038569
Contact: DANNY DICKENSON
Telephone: 5104817839
Mailing Name: Not reported
Mailing Address: 295 139TH AVE
Mailing City,St,Zip: SAN LEANDRO, CA 945783215
Gen County: Not reported
TSD EPA ID: CA0000084517
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Tons: .1160
Cat Decode: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Decode: Transfer Station
Facility County: 1

envid: S113036991
Year: 1998
GEPaid: CAL000038569
Contact: DANNY DICKENSON
Telephone: 5104817839
Mailing Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

295 139TH AVE (Continued)

S113036991

Mailing Address: 295 139TH AVE
Mailing City,St,Zip: SAN LEANDRO, CA 945783215
Gen County: Not reported
TSD EPA ID: CA0000084517
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Tons: .0560
Cat Decode: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Decode: Transfer Station
Facility County: 1

[Click this hyperlink](#) while viewing on your computer to access
17 additional CA_HAZNET: record(s) in the EDR Site Report.

O73
WSW
1/4-1/2
0.298 mi.
1576 ft.

WESTERN STATES OIL CO
2709 TEAGARDEN ST
SAN LEANDRO, CA 94577
Site 2 of 2 in cluster O

CA LUST
CA Alameda County CS
CA SWEEPS UST
CA FID UST
CA HIST CORTESE

S101580055
N/A

Relative:
Lower

LUST:

Actual:
30 ft.

Region: STATE
Global Id: T0600100630
Latitude: 37.7066299
Longitude: -122.159677
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 08/24/1999
Lead Agency: ALAMEDA COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 01-0685
LOC Case Number: RO0001195
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0600100630
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600100630
Status: Completed - Case Closed
Status Date: 08/24/1999

Global Id: T0600100630
Status: Open - Case Begin Date

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN STATES OIL CO (Continued)

S101580055

Status Date: 07/17/1986

Regulatory Activities:

Global Id: T0600100630
Action Type: REMEDIATION
Date: 12/15/1989
Action: Excavation

Global Id: T0600100630
Action Type: Other
Date: 07/17/1986
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-0685
Facility Status: Case Closed
Case Number: 732
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 3/26/1991
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:

Status: Case Closed
Record Id: RO0001195
PE: 5602
Facility Status: Case Closed

SWEEPS UST:

Status: Active
Comp Number: 56586
Number: 1
Board Of Equalization: Not reported
Referral Date: 02-19-91
Action Date: 09-21-92
Created Date: 02-29-88
Owner Tank Id: 1A
SWRCB Tank Id: 01-007-056586-000001
Tank Status: A
Capacity: 10000
Active Date: 02-19-91
Tank Use: M.V. FUEL
STG: P
Content: PRM UNLEADED
Number Of Tanks: 4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN STATES OIL CO (Continued)

S101580055

Status: Active
Comp Number: 56586
Number: 1
Board Of Equalization: Not reported
Referral Date: 02-19-91
Action Date: 09-21-92
Created Date: 02-29-88
Owner Tank Id: 1B
SWRCB Tank Id: 01-007-056586-000002
Tank Status: A
Capacity: 10000
Active Date: 02-19-92
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 56586
Number: 1
Board Of Equalization: Not reported
Referral Date: 02-19-91
Action Date: 09-21-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-056586-000003
Tank Status: A
Capacity: 20000
Active Date: 02-19-91
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 56586
Number: 1
Board Of Equalization: Not reported
Referral Date: 02-19-91
Action Date: 09-21-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-056586-000004
Tank Status: A
Capacity: 10000
Active Date: 02-19-91
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 01000808
Regulated By: UTNKA
Regulated ID: 00056586
Cortese Code: Not reported
SIC Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN STATES OIL CO (Continued)

S101580055

Facility Phone: 4158650767
Mail To: Not reported
Mailing Address: 2709 TEAGARDEN ST
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94577
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-0685

**N74
NW
1/4-1/2
0.305 mi.
1609 ft.**

**LEASEWAY TRANSPORTATION LEASIN
2366 ALVARADO STREET
SAN LEANDRO, CA 94577
Site 2 of 3 in cluster N**

**CA LUST S101306736
CA HIST UST N/A
CA HIST CORTESE**

**Relative:
Higher**

LUST:

**Actual:
43 ft.**

Region: STATE
Global Id: T0600101063
Latitude: 37.712858
Longitude: -122.156012
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 08/07/1996
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker: UUU
Local Agency: Not reported
RB Case Number: 01-1154
LOC Case Number: 01-1154
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0600101063
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600101063

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LEASEWAY TRANSPORTATION LEASIN (Continued)

S101306736

Status: Completed - Case Closed
Status Date: 08/07/1996

Global Id: T0600101063
Status: Open - Case Begin Date
Status Date: 01/26/1989

Global Id: T0600101063
Status: Open - Site Assessment
Status Date: 06/18/1991

Global Id: T0600101063
Status: Open - Verification Monitoring
Status Date: 01/02/1965

Regulatory Activities:

Global Id: T0600101063
Action Type: Other
Date: 01/26/1989
Action: Leak Stopped

Global Id: T0600101063
Action Type: REMEDIATION
Date: 08/07/1996
Action: Excavation

Global Id: T0600101063
Action Type: Other
Date: 01/26/1989
Action: Leak Discovery

Global Id: T0600101063
Action Type: Other
Date: 01/26/1989
Action: Leak Reported

HIST UST:

File Number: 000360DA
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000360DA.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

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LEASEWAY TRANSPORTATION LEASIN (Continued)

S101306736

Type of Fuel: Not reported
 Container Construction Thickness: Not reported
 Leak Detection: Not reported

Click here for Geo Tracker PDF:

HIST CORTESE:

Region: CORTESE
 Facility County Code: 1
 Reg By: LTNKA
 Reg Id: 01-1154

**N75
 NW
 1/4-1/2
 0.305 mi.
 1609 ft.**

**PENSKE TRUCK LEASING COMPANY INC
 2366 ALVARADO ST
 SAN LEANDRO, CA 94577
 Site 3 of 3 in cluster N**

**CA LUST U001598426
 N/A**

**Relative:
 Higher**

LUST REG 2:

Region: 2
 Facility Id: 01-1154
 Facility Status: Post remedial action monitoring
 Case Number: 01-1154
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Tank
 Date Leak Confirmed: 6/18/1991
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: 1/2/1965

**Actual:
 43 ft.**

**P76
 NNE
 1/4-1/2
 0.318 mi.
 1681 ft.**

**SINGER FRIDEN
 2350 AND 2450 WASHINGTON AVENUE
 SAN LEANDRO, CA 94577
 Site 2 of 2 in cluster P**

**CA RESPONSE S101272670
 CA ENVIROSTOR N/A
 CA HIST Cal-Sites
 CA Cortese
 CA HIST CORTESE**

**Relative:
 Higher**

RESPONSE:

Facility ID: 1360094
 Site Type: State Response
 Site Type Detail: State Response or NPL
 Acres: 20
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP, RWQCB 2 - San Francisco Bay, CITY OF SAN LEANDRO
 Lead Agency Description: DTSC - Site Cleanup Program
 Project Manager: Karen Toth
 Supervisor: Karen Toth
 Division Branch: Cleanup Berkeley
 Site Code: 200251
 Site Mgmt. Req.: NONE SPECIFIED
 Assembly: 18
 Senate: 09

**Actual:
 52 ft.**

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGER FRIDEN (Continued)

S101272670

Special Program Status: Not reported
Status: Certified / Operation & Maintenance
Status Date: 04/28/2003
Restricted Use: NO
Funding: Orphan Funds
Latitude: 37.71594
Longitude: -122.1486
APN: 0397-161-49, 077 055609200, 077 063000100, 077 063000500, 077 063000600, 077 063000700, 077 063000800, 077 063000900, 077 063004800, 077 063004900, 077 063005000, 077 063005100, 077 063005200, 077 063005300, 077 063005400, 077 063005500, 077 063005600, 077 063005700, 077 063005800, 077 063005900, 077 063006000, 077 063006100, 077 063006200, 077 063006300, 077 063006400, 077 063006500, 077 063006600, 077 063006700, 077 063006800, 077 063006900, 077 063007000, 077 063007100, 077 063007200, 077 063007300, 077 063007400, 077 063007500, 077 063007600, 077 063007700, 077 063007800, 077 063007900, 077 063008000, 077 063008100, 077 063008200, 077 063008300, 077 063008400, 077 063008500, 077 063008600, 077 063008700, 077 063008800, 077 063009000, 077 063009100, 077 063009200, 077 063009300, 077 063009400, 077 063009500, 077 063009600, 077 063009700, 077 063009800, 077 063009900, 077 063011400, 077 063011800, 077 063012700, 077 063013600, 077 063013700, 077 063014700, 077D140000100, 077D141002500, 77-556-100, 77-556-101, 77-556-102, 77-556-103, 77-556-104, 77-556-105, 77-556-106, 77-556-107, 77-556-108, 77-556-109, 77-556-110, 77-556-111, 77-556-112, 77-556-113, 77-556-114, 77-556-72, 77-556-73, 77-556-74, 77-556-75, 77-556-76, 77-556-77, 77-556-78, 77-556-79, 77-556-80, 77-556-81, 77-556-81, 77-556-82, 77-556-83, 77-556-84, 77-556-85, 77-556-86, 77-556-87, 77-556-88, 77-556-89, 77-556-90, 77-556-91, 77-556-93, 77-556-94, 77-556-95, 77-556-96, 77-556-97, 77-556-98, 77-556-99, 77-630-10, 77-630-100, 77-630-101, 77-630-102, 77-630-103, 77-630-104, 77-630-105, 77-630-106, 77-630-107, 77-630-108, 77-630-109, 77-630-11, 77-630-110, 77-630-111, 77-630-112, 77-630-113, 77-630-115, 77-630-116, 77-630-117, 77-630-119, 77-630-12, 77-630-120, 77-630-121, 77-630-122, 77-630-123, 77-630-124, 77-630-125, 77-630-126, 77-630-128, 77-630-129, 77-630-13, 77-630-130, 77-630-131, 77-630-132, 77-630-133, 77-630-134, 77-630-135, 77-630-138, 77-630-139, 77-630-14, 77-630-140, 77-630-141, 77-630-142, 77-630-143, 77-630-144, 77-630-145, 77-630-146, 77-630-146, 77-630-148, 77-630-149, 77-630-15, 77-630-150, 77-630-151, 77-630-16, 77-630-17, 77-630-18, 77-630-19, 77-630-2, 77-630-20, 77-630-21, 77-630-22, 77-630-23, 77-630-24, 77-630-25, 77-630-26, 77-630-27, 77-630-28, 77-630-29, 77-630-3, 77-630-30, 77-630-30, 77-630-31, 77-630-32, 77-630-33, 77-630-34, 77-630-35, 77-630-36, 77-630-37, 77-630-38, 77-630-39, 77-630-4, 77-630-40, 77-630-41, 77-630-42, 77-630-43, 77-630-44, 77-630-45, 77-630-46, 77-630-47, 77-630-48, 77-630-49, 77-630-5, 77-630-50, 77-630-51, 77-630-52, 77-630-53, 77-630-54, 77-630-55, 77-630-56, 77-630-57, 77-630-58, 77-630-59, 77-630-6, 77-630-60, 77-630-61, 77-630-62, 77-630-63, 77-630-64, 77-630-65, 77-630-66, 77-630-67, 77-630-68, 77-630-69, 77-630-7, 77-630-70, 77-630-71, 77-630-72, 77-630-73, 77-630-74, 77-630-75, 77-630-76, 77-630-77, 77-630-78, 77-630-79, 77-630-8, 77-630-80, 77-630-81, 77-630-82, 77-630-83, 77-630-84, 77-630-85, 77-630-86, 77-630-87, 77-630-88, 77-630-89, 77-630-9, 77-630-90, 77-630-91, 77-630-92, 77-630-93, 77-630-94, 77-630-95, 77-630-96, 77-630-97, 77-630-98, 77-630-99,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGER FRIDEN (Continued)

S101272670

77D-1410-25
Past Use: MANUFACTURING - INDUSTRIAL MACHINERY
Potential COC : Tetrachloroethylene (PCE Trichloroethylene (TCE Chloroform
1,2-Dichloroethylene (cis
Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE Chloroform
1,2-Dichloroethylene (cis
Potential Description: OTH, SOIL, SV
Alias Name: Not reported
Alias Type: Not reported
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

ENVIROSTOR:

Facility ID: 1360094
Status: Certified / Operation & Maintenance
Status Date: 04/28/2003
Site Code: 200251
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 20
NPL: NO
Regulatory Agencies: SMBRP, RWQCB 2 - San Francisco Bay, CITY OF SAN LEANDRO
Lead Agency: SMBRP
Program Manager: Karen Toth
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Assembly: 18
Senate: 09
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Orphan Funds
Latitude: 37.71594
Longitude: -122.1486
APN: 0397-161-49, 077 055609200, 077 063000100, 077 063000500, 077
063000600, 077 063000700, 077 063000800, 077 063000900, 077
063004800, 077 063004900, 077 063005000, 077 063005100, 077
063005200, 077 063005300, 077 063005400, 077 063005500, 077
063005600, 077 063005700, 077 063005800, 077 063005900, 077
063006000, 077 063006100, 077 063006200, 077 063006300, 077
063006400, 077 063006500, 077 063006600, 077 063006700, 077
063006800, 077 063006900, 077 063007000, 077 063007100, 077

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGER FRIDEN (Continued)

S101272670

063007200, 077 063007300, 077 063007400, 077 063007500, 077 063007600, 077 063007700, 077 063007800, 077 063007900, 077 063008000, 077 063008100, 077 063008200, 077 063008300, 077 063008400, 077 063008500, 077 063008600, 077 063008700, 077 063008800, 077 063009000, 077 063009100, 077 063009200, 077 063009300, 077 063009400, 077 063009500, 077 063009600, 077 063009700, 077 063009800, 077 063009900, 077 063011400, 077 063011800, 077 063012700, 077 063013600, 077 063013700, 077 063014700, 077D140000100, 077D141002500, 77-556-100, 77-556-101, 77-556-102, 77-556-103, 77-556-104, 77-556-105, 77-556-106, 77-556-107, 77-556-108, 77-556-109, 77-556-110, 77-556-111, 77-556-112, 77-556-113, 77-556-114, 77-556-72, 77-556-73, 77-556-74, 77-556-75, 77-556-76, 77-556-77, 77-556-78, 77-556-79, 77-556-80, 77-556-81, 77-556-81, 77-556-82, 77-556-83, 77-556-84, 77-556-85, 77-556-86, 77-556-87, 77-556-88, 77-556-89, 77-556-90, 77-556-91, 77-556-93, 77-556-94, 77-556-95, 77-556-96, 77-556-97, 77-556-98, 77-556-99, 77-630-10, 77-630-100, 77-630-101, 77-630-102, 77-630-103, 77-630-104, 77-630-105, 77-630-106, 77-630-107, 77-630-108, 77-630-109, 77-630-11, 77-630-110, 77-630-111, 77-630-112, 77-630-113, 77-630-115, 77-630-116, 77-630-117, 77-630-119, 77-630-12, 77-630-120, 77-630-121, 77-630-122, 77-630-123, 77-630-124, 77-630-125, 77-630-126, 77-630-128, 77-630-129, 77-630-13, 77-630-130, 77-630-131, 77-630-132, 77-630-133, 77-630-134, 77-630-135, 77-630-138, 77-630-139, 77-630-14, 77-630-140, 77-630-141, 77-630-142, 77-630-143, 77-630-144, 77-630-145, 77-630-146, 77-630-146, 77-630-148, 77-630-149, 77-630-15, 77-630-150, 77-630-151, 77-630-16, 77-630-17, 77-630-18, 77-630-19, 77-630-2, 77-630-20, 77-630-21, 77-630-22, 77-630-23, 77-630-24, 77-630-25, 77-630-26, 77-630-27, 77-630-28, 77-630-29, 77-630-3, 77-630-30, 77-630-30, 77-630-31, 77-630-32, 77-630-33, 77-630-34, 77-630-35, 77-630-36, 77-630-37, 77-630-38, 77-630-39, 77-630-4, 77-630-40, 77-630-41, 77-630-42, 77-630-43, 77-630-44, 77-630-45, 77-630-46, 77-630-47, 77-630-48, 77-630-49, 77-630-5, 77-630-50, 77-630-51, 77-630-52, 77-630-53, 77-630-54, 77-630-55, 77-630-56, 77-630-57, 77-630-58, 77-630-59, 77-630-6, 77-630-60, 77-630-61, 77-630-62, 77-630-63, 77-630-64, 77-630-65, 77-630-66, 77-630-67, 77-630-68, 77-630-69, 77-630-7, 77-630-70, 77-630-71, 77-630-72, 77-630-73, 77-630-74, 77-630-75, 77-630-76, 77-630-77, 77-630-78, 77-630-79, 77-630-8, 77-630-80, 77-630-81, 77-630-82, 77-630-83, 77-630-84, 77-630-85, 77-630-86, 77-630-87, 77-630-88, 77-630-89, 77-630-9, 77-630-90, 77-630-91, 77-630-92, 77-630-93, 77-630-94, 77-630-95, 77-630-96, 77-630-97, 77-630-98, 77-630-99, 77D-1410-25

Past Use: MANUFACTURING - INDUSTRIAL MACHINERY
Potential COC: Tetrachloroethylene (PCE Trichloroethylene (TCE Chloroform 1,2-Dichloroethylene (cis
Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE Chloroform 1,2-Dichloroethylene (cis
Potential Description: OTH, SOIL, SV
Alias Name: Not reported
Alias Type: Not reported

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGER FRIDEN (Continued)

S101272670

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

Calsite:

Region: BERKELEY
Facility ID: 01360094
Facility Type: STATE
Type: STATE FUNDED SITE
Branch: NC
Branch Name: NORTH COAST
File Name: Not reported
State Senate District: 04282003
Status: CERTIFIED OPERATION AND MAINTENANCE, ALL PLANNED ACTIVITIES
IMPLEMENTED, REMEDIATION CONTINUES
Status Name: CERTIFIED / OPERATION & MAINTENANCE
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not Listed
SIC Code: 36
SIC Name: MANU - ELECTRONIC & OTHER ELECTRIC EQUIP
Access: Uncontrolled
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Confirmed
Staff Member Responsible for Site: JRANDENI
Supervisor Responsible for Site: Not reported
Region Water Control Board: SF
Region Water Control Board Name: SAN FRANCISCO BAY
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: Not reported
State Assembly District Code: 18
State Senate District Code: 10
Facility ID: 01360094
Activity: DISC
Activity Name: DISCOVERY
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 04011988
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: COM
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGER FRIDEN (Continued)

S101272670

Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01360094
Activity: SS
Activity Name: SITE SCREENING
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 04011988
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: COM
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01360094
Activity: PPP
Activity Name: PUBLIC PARTICIPATION PLAN
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 02281991
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: COM
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01360094

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGER FRIDEN (Continued)

S101272670

Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: ISE
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 05221991
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: COM
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01360094
Activity: FRIFS
Activity Name: FOCUSED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
AWP Code: EXP
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 06281991
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: COM
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01360094
Activity: PRP
Activity Name: POTENTIAL RESPONSIBLE PARTY SEARCH
AWP Code: BASE
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 06281991
Est Person-Yrs to complete: 0
Estimated Size: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGER FRIDEN (Continued)

S101272670

Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	01360094
Activity:	FRIFS
Activity Name:	FOCUSED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
AWP Code:	WELLS
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	08301991
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	01360094
Activity:	FRIFS
Activity Name:	FOCUSED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
AWP Code:	GWOFF
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06121992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGER FRIDEN (Continued)

S101272670

Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	01360094
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	ISE
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	07171992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	01360094
Activity:	RIFS
Activity Name:	REMEDIATION INVESTIGATION / FEASIBILITY STUDY
AWP Code:	SH GW
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	09061995
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	01360094
Activity:	RAP
Activity Name:	REMEDIATION ACTION PLAN / RECORD OF DECISION
AWP Code:	SH GW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGER FRIDEN (Continued)

S101272670

Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	10151996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	01360094
Activity:	DES
Activity Name:	DESIGN
AWP Code:	SH GW
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01261998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	01360094
Activity:	RMDL
Activity Name:	REMEDIAL ACTION (RAP REQUIRED)
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	08232001
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGER FRIDEN (Continued)

S101272670

Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	01360094
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04282003
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	01360094
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	NEG'D
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	10151996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGER FRIDEN (Continued)

S101272670

For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01360094
Activity: COST
Activity Name: COST RECOVERY
AWP Code: SETTL
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 11181996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: COM
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01360094
Activity: COST
Activity Name: COST RECOVERY
AWP Code: SETTL
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 02231993
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: COM
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01360094
Activity: PEA
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SINGER FRIDEN (Continued)

S101272670

Comments Date:	03132003
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	01360094
Activity:	5YEAR
Activity Name:	FIVE-YEAR REVIEW REQUIRED BY CERCLA
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	04302008
Revised Due Date:	05012006
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	2481 SAN LEANDRO BOULEVARD
Alternate City,St,Zip:	SAN LEANDRO, CA 94577
Alternate Address:	2350 AND 2450 WASHINGTON AVENUE
Alternate City,St,Zip:	SAN LEANDRO, CA 94577
Background Info:	The Singer Company (and its predecessors-in-interest, Friden, Inc.; FRD, Inc.; and Friden Calculating Machine Co., Inc.) owned and operated a manufacturing facility (20 acres) that produced sewing machines and parts, adding machines, computers, data processing equipment, mailroom equipment, and printing machines. The known operation of this site was from 1941 to 1977.
Comments Date:	01261998
Comments:	Completed Design of treatment facility, based on 300 gallons per
Comments Date:	01261998
Comments:	minute (gpm) flow rate. Offsite conveyance design was not
Comments Date:	01261998
Comments:	included.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGER FRIDEN (Continued)

S101272670

Comments Date: 02051996
Comments: Completed excavation of 25 cubic yards of VOC contaminated
Comments Date: 02051996
Comments: soil discovered during installation of conveyance piping.
Comments Date: 02231993
Comments: Cost Settlement in US Bankruptcy Court regarding Bicoastal Corp.
Comments Date: 02231993
Comments: (dba Simufflite fka The Singer Company) Case No. 89-8191-BKC-8P1.
Comments Date: 02231993
Comments: DTSC receives \$2,500,000. \$2,250,000 applied to the Singer
Comments Date: 02231993
Comments: Friden Site and \$250,000 to 3176 Porter Drive in Palo Alto.
Comments Date: 02231993
Comments: Settlement also addressed claims of the Dundee Homeowners Assoc.
Comments Date: 02231993
Comments: DTSC and Dundee also settled their claims against each other, as
Comments Date: 02231993
Comments: well as future access to the property by DTSC.
Comments Date: 03132003
Comments: Completed PEA. Soil gas, soil, and groundwater have been
Comments Date: 03132003
Comments: sampled extensively. The only soil contamination that required
Comments Date: 03132003
Comments: removal was found in 1996 while installing the piping for the
Comments Date: 03132003
Comments: groundwater extraction system. The primary contaminants in the
Comments Date: 03132003
Comments: groundwater are trichloroethylene and perchloroethylene. The
Comments Date: 03132003
Comments: final remedy required shallow groundwater extraction in "hot
Comments Date: 03132003
Comments: spot" areas and treatment using granular activated carbon. The
Comments Date: 03132003
Comments: treated water is discharged to the storm sewer under NPDES
Comments Date: 03132003
Comments: permit.
Comments Date: 04282003
Comments: Certified Site. One hundred and ninety single-family homes and
Comments Date: 04282003
Comments: an office building now occupy the site.
Comments Date: 05042001
Comments: Groundwater treatment started.
Comments Date: 05221991
Comments: Issued I&SE Determination and Order to the site developers
Comments Date: 05221991
Comments: (known as the Citation entities) and owners of office building
Comments Date: 05221991
Comments: (Wm. Mathews, Inc.).
Comments Date: 05291992
Comments: Issued I&SE Determination for the San Leandro Plume site.
Comments Date: 06221998
Comments: Entered into a lease with Mr. & Mrs. Senna for space located at
Comments Date: 06221998
Comments: 2411 Washington Ave. San Leandro. The start date is March 1,
Comments Date: 06221998
Comments: 1999. The spaces will be used to construct the treatment system
Comments Date: 06221998

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGER FRIDEN (Continued)

S101272670

Comments: for groundwater extracted from the Singer Friden Site across the
Comments Date: 06221998
Comments: street. Rent is \$450/month. Lease ends February 28, 2007.
Comments Date: 07171992
Comments: Re-issued I&SE Determination and Order to Bicoastal.
Comments Date: 08232001
Comments: Completed RA. Startup Report approved.
Comments Date: 09061995
Comments: Completed RIFS.
Comments Date: 10151996
Comments: Approved RAP. Final Remedy includes shallow groundwater
Comments Date: 10151996
Comments: extraction in "hot spot" areas and treatment using granular
Comments Date: 10151996
Comments: activated carbon. Treatment system will be located outside of
Comments Date: 10151996
Comments: the condominium complex. CEQA Negative Declaration issued.
Comments Date: 11151999
Comments: Offsite conveyance design and revised treatment facility design
Comments Date: 11151999
Comments: completed based on 200 gpm flow rate.
Comments Date: 11181996
Comments: Cost Settlement with the Citation entities. Citation will pay
Comments Date: 11181996
Comments: DTSC \$4,000,000 to cover all past and future liability for this
Comments Date: 11181996
Comments: Site.
ID Name: CALSTARS CODE
ID Value: 200251
ID Name: BEP DATABASE PCODE
ID Value: P23070
Alternate Name: STAEFA CONTROL SYSTEMUNIVERSAL PNEUMATIC CONTROLSSINGER FRIDENSANDPIPER
CONDOSSINGER COFRIDEN INCWILLIAM MATHEWS BUILDING
Special Programs Code: CERC2
Special Programs Name: CERCLA II

CORTESE:

Region: CORTESE
Envirostor Id: 1360094
Site/Facility Type: STATE RESPONSE
Cleanup Status: CERTIFIED / OPERATION & MAINTENANCE
Status Date: 04/28/2003
Site Code: 200251
Latitude: 37.715942
Longitude: -122.14867
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: envirostor
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SINGER FRIDEN (Continued)

S101272670

HIST CORTESE:
 Region: CORTESE
 Facility County Code: 1
 Reg By: CALSI
 Reg Id: 01360094

Q77
NNE
 1/4-1/2
 0.320 mi.
 1688 ft.

SINGER FRIDEN NPDES
2411 WASHINGTON AVE.
SAN LEANDRO, CA
 Site 1 of 2 in cluster Q

CA SLIC S100864969
N/A

Relative:
Higher

SLIC:
 Region: STATE
Facility Status: Completed - Case Closed
 Status Date: 12/18/2015
 Global Id: SL0600116443
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Lead Agency Case Number: Not reported
 Latitude: 37.713854
 Longitude: -122.149883
 Case Type: Cleanup Program Site
 Case Worker: LG
 Local Agency: Not reported
 RB Case Number: 43s1034
 File Location: Not reported
 Potential Media Affected: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: * Solvents
 Site History:

Actual:
52 ft.

No Water Board oversight of cleanup at this site. This case is included in Geotracker because the site is covered by the Water Boards NPDES general permits for discharges from pump and treat systems to surface waters (one each for fuels- and VOC-impacted sites). This can happen for two reasons: (i) the site is overseen by another agency (e.g., USEPA or DTSC) and needs coverage under one of the NPDES general permits or (ii) construction dewatering in an area of groundwater contamination necessitates NPDES general permit coverage. Including this case in Geotracker helps staff to receive and review required NPDES reports.

[Click here to access the California GeoTracker records for this facility:](#)

Q78
NNE
 1/4-1/2
 0.320 mi.
 1688 ft.

INTERCOASTAL PAINT COMPANY
2411 WASHINGTON AVENUE
SAN LEANDRO, CA 94577
 Site 2 of 2 in cluster Q

CA ENVIROSTOR S112901611
CA HAZNET N/A

Relative:
Higher

ENVIROSTOR:
 Facility ID: 1750031
 Status: No Further Action
 Status Date: 06/29/2006
 Site Code: 201097
 Site Type: Evaluation
 Site Type Detailed: Evaluation
 Acres: 1.5
 NPL: NO

Actual:
52 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTERCOASTAL PAINT COMPANY (Continued)

S112901611

Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Jayantha Randeni
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Assembly: 18
Senate: 09
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 37.71386
Longitude: -122.1497
APN: 75-84-19-4
Past Use: PAINT/DEPAINT FACILITY
Potential COC: * HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS * CONTAMINATED SOIL
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL
Alias Name: Not reported
Alias Type: Not reported

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

HAZNET:

envid: S112901611
Year: 2009
GEPaid: CAC002182210
Contact: TINA FALCON
Telephone: 5107770750
Mailing Name: Not reported
Mailing Address: 6401 LEONA ST
Mailing City,St,Zip: OAKLAND, CA 946051217
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.38775
Cat Decode: Other inorganic solid waste
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTERCOASTAL PAINT COMPANY (Continued)

S112901611

Facility County: Alameda

envid: S112901611
Year: 2009
GEPaid: CAC002182210
Contact: TINA FALCON
Telephone: 5107770750
Mailing Name: Not reported
Mailing Address: 6401 LEONA ST
Mailing City,St,Zip: OAKLAND, CA 946051217
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.09751
Cat Decode: Laboratory waste chemicals
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Alameda

envid: S112901611
Year: 2009
GEPaid: CAC002182210
Contact: TINA FALCON
Telephone: 5107770750
Mailing Name: Not reported
Mailing Address: 6401 LEONA ST
Mailing City,St,Zip: OAKLAND, CA 946051217
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.099
Cat Decode: Off-specification, aged or surplus organics
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Alameda

envid: S112901611
Year: 2009
GEPaid: CAC002182210
Contact: TINA FALCON
Telephone: 5107770750
Mailing Name: Not reported
Mailing Address: 6401 LEONA ST
Mailing City,St,Zip: OAKLAND, CA 946051217
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.45

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTERCOASTAL PAINT COMPANY (Continued)

S112901611

Cat Decode: Unspecified solvent mixture
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Facility County: Alameda

R79
West
1/4-1/2
0.321 mi.
1695 ft.

WELLS FARGO BANK
1188 MONTAGUE
SAN LEANDRO, CA 94577

CA LUST **S100948199**
CA HIST CORTESE **N/A**

Site 1 of 2 in cluster R

Relative:
Lower

LUST:

Actual:
33 ft.

Region: STATE
Global Id: T0600101785
Latitude: 37.708893
Longitude: -122.159857
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/02/1995
Lead Agency: SAN LEANDRO, CITY OF
Case Worker: UNK
Local Agency: SAN LEANDRO, CITY OF
RB Case Number: 01-1925
LOC Case Number: 01-1925
File Location: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0600101785
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0600101785
Contact Type: Local Agency Caseworker
Contact Name: UNK
Organization Name: SAN LEANDRO, CITY OF
Address: Not reported
City: r2 UNKNOWN
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600101785
Status: Completed - Case Closed
Status Date: 11/02/1995

Global Id: T0600101785
Status: Open - Case Begin Date
Status Date: 11/17/1993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WELLS FARGO BANK (Continued)

S100948199

Global Id: T0600101785
Status: Open - Site Assessment
Status Date: 02/02/1994

Regulatory Activities:

Global Id: T0600101785
Action Type: Other
Date: 11/17/1993
Action: Leak Stopped

Global Id: T0600101785
Action Type: Other
Date: 11/17/1993
Action: Leak Discovery

Global Id: T0600101785
Action Type: Other
Date: 11/23/1993
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-1925
Facility Status: Case Closed
Case Number: 01-1925
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: Piping
Date Leak Confirmed: 2/2/1994
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 2/2/1994
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1925

R80
West
1/4-1/2
0.343 mi.
1813 ft.

WELLS FARGO BANK
2500 TEAGARDEN
SAN LEANDRO, CA 94577
Site 2 of 2 in cluster R

CA LUST S100877964
CA SWEEPS UST N/A
CA HIST CORTESE

Relative:
Lower

LUST:
Region: STATE
Global Id: T0600101941
Latitude: 37.709727
Longitude: -122.1606543
Case Type: LUST Cleanup Site

Actual:
34 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WELLS FARGO BANK (Continued)

S100877964

Status: Completed - Case Closed
Status Date: 11/02/1995
Lead Agency: SAN LEANDRO, CITY OF
Case Worker: UNK
Local Agency: SAN LEANDRO, CITY OF
RB Case Number: 01-2115
LOC Case Number: 01-2115
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0600101941
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0600101941
Contact Type: Local Agency Caseworker
Contact Name: UNK
Organization Name: SAN LEANDRO, CITY OF
Address: Not reported
City: r2 UNKNOWN
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600101941
Status: Completed - Case Closed
Status Date: 11/02/1995

Global Id: T0600101941
Status: Open - Case Begin Date
Status Date: 11/17/1993

Global Id: T0600101941
Status: Open - Site Assessment
Status Date: 02/03/1994

Global Id: T0600101941
Status: Open - Site Assessment
Status Date: 03/02/1994

Regulatory Activities:

Global Id: T0600101941
Action Type: Other
Date: 11/17/1993
Action: Leak Stopped

Global Id: T0600101941

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WELLS FARGO BANK (Continued)

S100877964

Action Type: RESPONSE
Date: 12/02/1993
Action: Other Report / Document

Global Id: T0600101941
Action Type: Other
Date: 11/17/1993
Action: Leak Discovery

Global Id: T0600101941
Action Type: Other
Date: 12/20/1993
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-2115
Facility Status: Case Closed
Case Number: 01-2115
How Discovered: Tank Closure
Leak Cause: Overfill
Leak Source: UNK
Date Leak Confirmed: 2/3/1994
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: 3/2/1994
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

SWEEPS UST:

Status: Not reported
Comp Number: 23
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: 0

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-2115

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance		Database(s)	
Elevation	Site		

S81 NNE 1/4-1/2 0.363 mi. 1914 ft.	SINGER-FRIDEN SITE 2350 WASHINGTON AVE SAN LEANDRO, CA 92584 Site 1 of 2 in cluster S	CA Notify 65	S100179678 N/A
---	--	---------------------	---------------------------------

Relative: Higher	NOTIFY 65: Date Reported: Not reported Staff Initials: Not reported
Actual: 51 ft.	Board File Number: Not reported Facility Type: Not reported Discharge Date: Not reported Issue Date: Not reported Incident Description: Not reported

S82 NNE 1/4-1/2 0.363 mi. 1914 ft.	SINGER - FRIDEN SITE 2350 WASHINGTON AVE SAN LEANDRO, CA 92584 Site 2 of 2 in cluster S	CA Notify 65	S100179679 N/A
---	--	---------------------	---------------------------------

Relative: Higher	NOTIFY 65: Date Reported: Not reported Staff Initials: Not reported
Actual: 51 ft.	Board File Number: Not reported Facility Type: Not reported Discharge Date: Not reported Issue Date: Not reported Incident Description: Not reported

T83 SE 1/4-1/2 0.372 mi. 1965 ft.	AMARAL SAUSAGE 735 FREMONT SAN LEANDRO, CA 94577 Site 1 of 2 in cluster T	CA LUST CA HIST CORTESE	S102423917 N/A
--	--	--	---------------------------------

Relative: Lower	LUST: Region: STATE Global Id: T0600101962
Actual: 35 ft.	Latitude: 37.704651205 Longitude: -122.14755 Case Type: LUST Cleanup Site Status: Completed - Case Closed Status Date: 03/08/2011 Lead Agency: SAN LEANDRO, CITY OF Case Worker: Not reported Local Agency: Not reported RB Case Number: 01-2136 LOC Case Number: 01-2136 File Location: Local Agency Potential Media Affect: Soil Potential Contaminants of Concern: Gasoline Site History: 500-gal gasoline UST removed 1992. 150 mg/kg TPHg in soil. Benzene ND. Groundwater not encountered.

Click here to access the California GeoTracker records for this facility:

Contact:	
Global Id:	T0600101962

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMARAL SAUSAGE (Continued)

S102423917

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600101962
Status: Completed - Case Closed
Status Date: 03/08/2011

Global Id: T0600101962
Status: Open - Case Begin Date
Status Date: 04/03/1992

Global Id: T0600101962
Status: Open - Inactive
Status Date: 12/07/2009

Global Id: T0600101962
Status: Open - Site Assessment
Status Date: 03/05/1996

Regulatory Activities:

Global Id: T0600101962
Action Type: RESPONSE
Date: 06/30/1992
Action: Unauthorized Release Form

Global Id: T0600101962
Action Type: RESPONSE
Date: 04/04/1992
Action: Other Report / Document

Global Id: T0600101962
Action Type: RESPONSE
Date: 06/29/1992
Action: Other Report / Document

Global Id: T0600101962
Action Type: Other
Date: 04/03/1992
Action: Leak Stopped

Global Id: T0600101962
Action Type: RESPONSE
Date: 05/05/1992
Action: Tank Removal Report / UST Sampling Report

Global Id: T0600101962
Action Type: Other
Date: 04/03/1992
Action: Leak Discovery

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMARAL SAUSAGE (Continued)

S102423917

Global Id: T0600101962
Action Type: Other
Date: 07/08/1992
Action: Leak Reported

Global Id: T0600101962
Action Type: ENFORCEMENT
Date: 09/09/2010
Action: 13267 Requirement

LUST REG 2:

Region: 2
Facility Id: 01-2136
Facility Status: Leak being confirmed
Case Number: 01-2136
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 3/5/1996
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-2136

T84
SE
1/4-1/2
0.378 mi.
1995 ft.

S & S BUILDING SUPPLY INC
701 FREMONT AVE
SAN LEANDRO, CA 94577
Site 2 of 2 in cluster T

CA LUST S101580123
CA Alameda County CS N/A
CA SWEEPS UST
CA FID UST
CA CHMIRS
CA HIST CORTESE

Relative:
Lower

LUST:

Actual:
35 ft.

Region: STATE
Global Id: T0600101170
Latitude: 37.70521
Longitude: -122.146899
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/11/1999
Lead Agency: ALAMEDA COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 01-1273
LOC Case Number: RO0000826
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S & S BUILDING SUPPLY INC (Continued)

S101580123

Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0600101170
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600101170
Status: Completed - Case Closed
Status Date: 01/11/1999

Global Id: T0600101170
Status: Open - Case Begin Date
Status Date: 02/10/1988

Regulatory Activities:

Global Id: T0600101170
Action Type: Other
Date: 02/10/1988
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-1273
Facility Status: Case Closed
Case Number: 4535
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 3/30/1993
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:

Status: Case Closed
Record Id: RO0000826
PE: 5602
Facility Status: Case Closed

SWEEPS UST:

Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S & S BUILDING SUPPLY INC (Continued)

S101580123

Comp Number: 3
Number: Not reported
Board Of Equalization: 44-001026
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-000003-000001
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 2

Status: Not reported
Comp Number: 3
Number: Not reported
Board Of Equalization: 44-001026
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-000003-000002
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 01001390
Regulated By: UTKNI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 701 FREMONT AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94577
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

CHMIRS:

OES Incident Number: 2-6610
OES notification: 12/05/2002
OES Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S & S BUILDING SUPPLY INC (Continued)

S101580123

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:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	PG&E
Incident Date:	12/4/200212:00:00 AM
Admin Agency:	San Leandro Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	mineral oil, non-PCB
Gallons:	80
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S & S BUILDING SUPPLY INC (Continued)

S101580123

#3 Vessel >= 300 Tons: Not reported
Evacs: Not reported
Injuries: Not reported
Fatals: Not reported
Comments: Not reported
Description: Truck turning a corner took out a pole with a transformer.

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1273

**85
ESE
1/4-1/2
0.379 mi.
2002 ft.**

**LARSON BROTHERS LUMBER
14200 WASHINGTON AVE
SAN LEANDRO, CA 94578**

**CA LUST S103974335
CA HIST CORTESE N/A**

**Relative:
Lower**

LUST:

Region: STATE
Global Id: T0600100814
Latitude: 37.707783
Longitude: -122.143944
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 10/01/2009
Lead Agency: SAN LEANDRO, CITY OF
Case Worker: LM
Local Agency: SAN LEANDRO, CITY OF
RB Case Number: 01-0881
LOC Case Number: 01-0881
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

**Actual:
41 ft.**

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0600100814
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0600100814
Contact Type: Local Agency Caseworker
Contact Name: LISA MAFFEI
Organization Name: SAN LEANDRO, CITY OF
Address: 835 E14TH STREET
City: SAN LEANDRO
Email: lmaffei@sanleandro.org
Phone Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LARSON BROTHERS LUMBER (Continued)

S103974335

Status History:

Global Id: T0600100814
Status: Completed - Case Closed
Status Date: 10/01/2009

Global Id: T0600100814
Status: Open - Case Begin Date
Status Date: 05/22/1986

Global Id: T0600100814
Status: Open - Site Assessment
Status Date: 05/22/1986

Regulatory Activities:

Global Id: T0600100814
Action Type: Other
Date: 07/10/1986
Action: Leak Stopped

Global Id: T0600100814
Action Type: Other
Date: 07/10/1986
Action: Leak Discovery

Global Id: T0600100814
Action Type: Other
Date: 07/10/1986
Action: Leak Reported

Global Id: T0600100814
Action Type: ENFORCEMENT
Date: 01/08/2009
Action: Closure/No Further Action Letter

LUST REG 2:

Region: 2
Facility Id: 01-0881
Facility Status: Preliminary site assessment underway
Case Number: 01-0881
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 5/22/1986
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 1

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LARSON BROTHERS LUMBER (Continued)

S103974335

Reg By: LTNKA
 Reg Id: 01-0881

U86
East
1/4-1/2
0.386 mi.
2037 ft.

CINTAS/DEDOMINICO SITE
777 139TH AVENUE
SAN LEANDRO, CA 94578

CA HIST Cal-Sites
CA EMI

S101661359
N/A

Site 1 of 5 in cluster U

Relative:
Higher

Calsite:

Actual:
44 ft.

Region: BERKELEY
 Facility ID: 01890017
 Facility Type: RP
 Type: RESPONSIBLE PARTY
 Branch: NC
 Branch Name: NORTH COAST
 File Name: CINTAS CORPORATION
 State Senate District: 08041995
 Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE
 Status Name: ANNUAL WORKPLAN - ACTIVE SITE
 Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
 NPL: Not Listed
 SIC Code: 89
 SIC Name: MISCELLANEOUS SERVICES
 Access: Controlled
 Cortese: Not reported
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Suspected
 Staff Member Responsible for Site: JRANDENI
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: SF
 Region Water Control Board Name: SAN FRANCISCO BAY
 Lat/Long Direction: Not reported
 Lat/Long (dms): 0 0 0 / 0 0 0
 Lat/long Method: Not reported
 Lat/Long Description: Not reported
 State Assembly District Code: 18
 State Senate District Code: 10
 Facility ID: 01890017
 Activity: CEQA
 Activity Name: CEQA INCLUDING NEGATIVE DECS
 AWP Code: NEG'D
 Proposed Budget: 0
 AWP Completion Date: Not reported
 Revised Due Date: Not reported
 Comments Date: 06261997
 Est Person-Yrs to complete: 0
 Estimated Size: Not reported
 Request to Delete Activity: Not reported
 Activity Status: AWP
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
 Liquids Removed (Gals): 0
 Liquids Treated (Gals): 0
 Action Included Capping: Not reported
 Well Decommissioned: Not reported
 Action Included Fencing: Not reported
 Removal Action Certification: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CINTAS/DEDOMINICO SITE (Continued)

S101661359

Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01890017
Activity: RIFS
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code: GW
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 04282003
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01890017
Activity: RAW
Activity Name: REMOVAL ACTION WORKPLAN
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 08042004
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01890017
Activity: RA
Activity Name: REMOVAL ACTION
AWP Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CINTAS/DEDOMINICO SITE (Continued)

S101661359

Proposed Budget: 0
AWP Completion Date: 10312004
Revised Due Date: 08302005
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01890017
Activity: CEQA
Activity Name: CEQA INCLUDING NEGATIVE DECS
AWP Code: NOE
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 08042004
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01890017
Activity: DISC
Activity Name: DISCOVERY
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 03301985
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CINTAS/DEDOMINICO SITE (Continued)

S101661359

Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	01890017
Activity:	PPP
Activity Name:	PUBLIC PARTICIPATION PLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	11301986
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	01890017
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	I&SE
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12221992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CINTAS/DEDOMINICO SITE (Continued)

S101661359

For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01890017
Activity: PPP
Activity Name: PUBLIC PARTICIPATION PLAN
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 02281995
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01890017
Activity: RIFS
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code: SOIL
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 05221997
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01890017
Activity: RAW
Activity Name: REMOVAL ACTION WORKPLAN
AWP Code: SOIL
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CINTAS/DEDOMINICO SITE (Continued)

S101661359

Comments Date: 06261997
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01890017
Activity: RA
Activity Name: REMOVAL ACTION
AWP Code: SOIL
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 06291998
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 22
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: N
Activity Comments: EXCAVATION AND OFFSITE DISPOSAL OF CONTAMINATED SOIL AND
INSTALLATION OF A SOIL VAPOR EXTRACTION SYSTEM.
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01890017
Activity: CERT
Activity Name: CERTIFICATION
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: 06302005
Revised Due Date: 11302005
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CINTAS/DEDOMINICO SITE (Continued)

S101661359

Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Alternate Address: 777 139TH AVENUE
Alternate City,St,Zip: SAN LEANDRO, CA 94578
Background Info: Cintas Corporation site is located at 777 139th Avenue, San Leandro, Alameda County. From February 1971 and 1983, Ross Rental Services leased the property and established a clothes-cleaning operation using tetrachloroethylene (PCE). Operation equipment included two 100-pound dry cleaning units. In 1983, Cintas Corporation acquired the business and converted all clothes cleaning operations to a water-wash laundry without the dry cleaning units. Trichloroethylene (TCE), PCE and oil grease were detected in soil during removal of gasoline and waste oil tanks in May 1986.
Comments Date: 06291998
Comments: were disposed offsite. Soil vapor extraction system operating at
Comments Date: 06291998
Comments: 140 standard cubic feet per minute.
Comments Date: 08042004
Comments: Approved RAW for the underlying groundwater contamination. Data
Comments Date: 08042004
Comments: indicates that contamination is breaking down. Therefore, final
Comments Date: 08042004
Comments: remedy will include institutional controls and groundwater
Comments Date: 08042004
Comments: monitoring.
Comments Date: 12221992
Comments: Issued I&SE Order to the 139th Avenue Sites.
Comments Date: 03172000
Comments: Approved closure of the SVE system. The confirmation soil
Comments Date: 03172000
Comments: sampling results indicated that operation of the SVE system
Comments Date: 03172000
Comments: reduced VOC concentrations in soil below the site cleanup level
Comments Date: 03172000
Comments: in all tested locations. Estimated 187 pounds of VOCs were
Comments Date: 03172000
Comments: removed during the 19 months period of operation.
Comments Date: 05221997
Comments: Approved RIFS. PCE contamination under the building and near
Comments Date: 05221997
Comments: sewer line outside the building was identified. Sample results
Comments Date: 05221997
Comments: confirmed earlier tests and identified two areas one near the
Comments Date: 05221997
Comments: sewer line outside the building and the other under the building
Comments Date: 05221997
Comments: which have high 14 parts per million (ppm) tetrachloroethylene.
Comments Date: 06261997
Comments: Approved RAW which requires installation of two horizontal soil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CINTAS/DEDOMINICO SITE (Continued)

S101661359

Comments Date: 06261997
Comments: vapor extraction wells under the building and excavation of
Comments Date: 06261997
Comments: contaminated soil near sewer line outside of the building. A
Comments Date: 06261997
Comments: negative declaration was prepared for this project.
Comments Date: 06291998
Comments: Completed RA. Soil Vapor Extraction System working well. 21
Comments Date: 06291998
Comments: cubic yards of excavated soil containing tetrachloroethylene
ID Name: CALSTARS CODE
ID Value: 200642
Alternate Name: CINTAS CORPORATIONCINTAS/DEDOMINICO SITE
Special Programs Code: Not reported
Special Programs Name: Not reported

EMI:

Year: 1987
County Code: 1
Air Basin: SF
Facility ID: 3355
Air District Name: BA
SIC Code: 7213
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1990
County Code: 1
Air Basin: SF
Facility ID: 3355
Air District Name: BA
SIC Code: 7213
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1998
County Code: 1
Air Basin: SF
Facility ID: 3355
Air District Name: BA
SIC Code: 7213

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CINTAS/DEDOMINICO SITE (Continued)

S101661359

Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1999
 County Code: 1
 Air Basin: SF
 Facility ID: 3355
 Air District Name: BA
 SIC Code: 7213
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2000
 County Code: 1
 Air Basin: SF
 Facility ID: 3355
 Air District Name: BA
 SIC Code: 7213
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers and Smlr Tons/Yr:0

U87
East
1/4-1/2
0.386 mi.
2037 ft.

CONTAS CORP.
777 139TH AVE
SAN LEANDRO, CA 94578
Site 2 of 5 in cluster U

CA RESPONSE
CA ENVIROSTOR
CA LUST
CA SWEEPS UST
CA FID UST
CA DEED
CA Cortese
CA HIST CORTESE

S101624159
N/A

Relative:
Higher

Actual:
44 ft.

RESPONSE:
 Facility ID: 1890017
 Site Type: State Response
 Site Type Detail: State Response or NPL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONTAS CORP. (Continued)

S101624159

Acres: 1.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Jessica Tibor
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Site Code: 200642
Site Mgmt. Req.: REM, LUC, MON, GW, OIL, NOWN, NDAM
Assembly: 18
Senate: 09
Special Program Status: Not reported
Status: Certified / Operation & Maintenance
Status Date: 10/02/2006
Restricted Use: YES
Funding: Responsible Party
Latitude: 37.70990
Longitude: -122.1448
APN: 077D142400508
Past Use: DRY CLEANING
Potential COC : Tetrachloroethylene (PCE TPH-diesel TPH-gas 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans
Confirmed COC: Tetrachloroethylene (PCE TPH-diesel TPH-gas 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans
Potential Description: OTH, SOIL, SV
Alias Name: Not reported
Alias Type: Not reported
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

ENVIROSTOR:

Facility ID: 1890017
Status: Certified / Operation & Maintenance
Status Date: 10/02/2006
Site Code: 200642
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 1.5
NPL: NO
Regulatory Agencies: SMBRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONTAS CORP. (Continued)

S101624159

Lead Agency: SMBRP
Program Manager: Jessica Tibor
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Assembly: 18
Senate: 09
Special Program: Not reported
Restricted Use: YES
Site Mgmt Req: REM, LUC, MON, GW, OIL, NOWN, NDAM
Funding: Responsible Party
Latitude: 37.70990
Longitude: -122.1448
APN: 077D142400508
Past Use: DRY CLEANING
Potential COC: Tetrachloroethylene (PCE TPH-diesel TPH-gas 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans
Confirmed COC: Tetrachloroethylene (PCE TPH-diesel TPH-gas 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans
Potential Description: OTH, SOIL, SV
Alias Name: Not reported
Alias Type: Not reported

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

LUST:

Region: STATE
Global Id: T0600101726
Latitude: 37.708854
Longitude: -122.143739
Case Type: LUST Cleanup Site
Status: Open - Verification Monitoring
Status Date: 11/13/2008
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Case Worker: Not reported
Local Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number: 01-1863
LOC Case Number: 01890017
File Location: DTSC
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONTAS CORP. (Continued)

S101624159

Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0600101726
Contact Type: Local Agency Caseworker
Contact Name: BARBARA COOK
Organization Name: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Address: 700 HEINZ ST.
City: BERKELEY
Email: Not reported
Phone Number: Not reported

Global Id: T0600101726
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600101726
Status: Open - Case Begin Date
Status Date: 05/01/1986

Global Id: T0600101726
Status: Open - Site Assessment
Status Date: 12/01/1988

Global Id: T0600101726
Status: Open - Site Assessment
Status Date: 02/02/1994

Global Id: T0600101726
Status: Open - Site Assessment
Status Date: 03/01/1994

Global Id: T0600101726
Status: Open - Site Assessment
Status Date: 08/13/2008

Global Id: T0600101726
Status: Open - Verification Monitoring
Status Date: 11/13/2008

Regulatory Activities:

Global Id: T0600101726
Action Type: ENFORCEMENT
Date: 09/25/2006
Action: Deed Restriction / Land Use Restriction / Covenant - #2006361530

Global Id: T0600101726
Action Type: Other
Date: 05/01/1986

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONTAS CORP. (Continued)

S101624159

Action: Leak Stopped

Global Id: T0600101726
Action Type: REMEDIATION
Date: 05/01/1986
Action: Excavation

Global Id: T0600101726
Action Type: Other
Date: 05/01/1986
Action: Leak Discovery

Global Id: T0600101726
Action Type: Other
Date: 05/01/1986
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-1863
Facility Status: Pollution Characterization
Case Number: 01-1863
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 12/1/1988
Oversight Program: LUST
Prelim. Site Assessment Wokplan Submitted: 2/2/1994
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 3/1/1994
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

SWEEPS UST:

Status: Not reported
Comp Number: 65257
Number: Not reported
Board Of Equalization: 44-001182
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-065257-000001
Tank Status: Not reported
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: 2

Status: Not reported
Comp Number: 65257
Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONTAS CORP. (Continued)

S101624159

Board Of Equalization: 44-001182
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-065257-000002
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 01000527
Regulated By: UTKNI
Regulated ID: 00065257
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4153526330
Mail To: Not reported
Mailing Address: 777 139TH AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94578
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

DEED:

Envirostor ID: T0600101726
Area: Not reported
Sub Area: Not reported
Site Type: LUFT
Status: OPEN - VERIFICATION MONITORING
Agency: SWRCB
Covenant Uploaded: Not reported
Deed Date(s): 09/25/2006

Envirostor ID: 1890017
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: STATE RESPONSE
Status: CERTIFIED / OPERATION & MAINTENANCE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 09/25/2006

CORTESE:

Region: CORTESE
Envirostor Id: 1890017
Site/Facility Type: STATE RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONTAS CORP. (Continued)

S101624159

Cleanup Status: CERTIFIED / OPERATION & MAINTENANCE - LAND USE RESTRICTIONS
Status Date: 10/02/2006
Site Code: 200642
Latitude: 37.709906
Longitude: -122.14486
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: envirosstor
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: CALSI
Reg Id: 01890017

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1863

U88
East
1/4-1/2
0.386 mi.
2037 ft.

CINTAS OPERATION # 54
777 139TH AVE
SAN LEANDRO, CA 94578

CA SLIC S100948239
N/A

Site 3 of 5 in cluster U

Relative:
Higher

SLIC REG 2:
Region: 2
Facility ID: 01S0040
Facility Status: Leak being confirmed
Date Closed: Not reported
Local Case #: Not reported
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Confirmed: 7/10/1986
Date Prelim Site Assmnt Workplan Submitted: Not reported
Date Preliminary Site Assessment Began: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Actual:
44 ft.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

U89 **ONE HUNDRED THIRTY-NINTH STREET (NO. 750) - SAN LEANDRO** **CA BOND EXP. PLAN** **S100833366**
East **750 139TH STREET**
1/4-1/2 **SAN LEANDRO, CA 94578**
0.388 mi.
2051 ft. **Site 4 of 5 in cluster U**

Relative: CA BOND EXP. PLAN:
Higher Responsible Party: DETAILED SITE EXPENDITURE PLAN
 Project Revenue Source Company: Not reported
 Project Revenue Source Addr: Not reported
Actual: Project Revenue Source City,St,Zip: Not reported
44 ft. Project Revenue Source Desc: Currently there are no identifiable responsible parties (RPs). Therefore, Bond funds are being used to investigate and remediate the site. If during the investigation responsible parties are identified, DHS will pursue appropriate enforcement actions.
 Site Description: The One Hundred Thirty-Ninth Street site is a contaminated shallow aquifer. Chemicals found onsite include trichloroethene (TCE) and tetrachloroethene (PCE).
 Hazardous Waste Desc:
 Threat To Public Health & Env: Ground water is the pathway for contaminant migration. Numerous private wells present possible routes of exposure. Potential receptors for exposure to ground water contaminants include residents of San Leandro who have shallow water wells on their property.
 Site Activity Status: The site is currently undergoing remedial investigation. Monitoring wells and stratigraphic borings will be installed.

U90 **WEAVER PROPERTY** **CA SLIC** **S101641794**
East **750 139TH ST**
1/4-1/2 **SAN LEANDRO, CA 94578**
0.388 mi.
2051 ft. **Site 5 of 5 in cluster U**

Relative: SLIC:
Higher Region: STATE
 Facility Status: **Open - Inactive**
Actual: Status Date: 06/04/2009
44 ft. Global Id: SLT2O291182
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Lead Agency Case Number: Not reported
 Latitude: 37.7087878152888
 Longitude: -122.143156431714
 Case Type: Cleanup Program Site
 Case Worker: UUU
 Local Agency: Not reported
 RB Case Number: 01S0033
 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 2:
 Region: 2
 Facility ID: 01S0033
 Facility Status: Leak being confirmed
 Date Closed: Not reported
 Local Case #: Not reported
 How Discovered: Not reported
 Leak Cause: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEAVER PROPERTY (Continued)

S101641794

Leak Source: Not reported
Date Confirmed: Not reported
Date Prelim Site Assmnt Workplan Submitted: Not reported
Date Preliminary Site Assessment Began: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

91
NNW
1/4-1/2
0.398 mi.
2102 ft.

**YOKOTA NURSERY, FORMER
467,505, AND 517 MARINA BOULEVARD
SAN LEANDRO, CA**

**CA SLIC S105628361
CA DEED N/A**

**Relative:
Higher**

SLIC:

**Actual:
48 ft.**

Region: STATE
Facility Status: Completed - Case Closed
Status Date: 11/03/2010
Global Id: SL600192639
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number: Not reported
Latitude: 37.715472
Longitude: -122.153659
Case Type: Cleanup Program Site
Case Worker: UUU
Local Agency: Not reported
RB Case Number: 01S0565
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Case Closure Date: August 12, 2002

Click here to access the California GeoTracker records for this facility:

SLIC REG 2:

Region: 2
Facility ID: 01S0565
Facility Status: Not reported
Date Closed: Not reported
Local Case #: Not reported
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Confirmed: Not reported
Date Prelim Site Assmnt Workplan Submitted: Not reported
Date Preliminary Site Assessment Began: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

DEED:

Envirostor ID: SL600192639
Area: Not reported
Sub Area: Not reported
Site Type: SLIC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YOKOTA NURSERY, FORMER (Continued)

S105628361

Status: COMPLETED - CASE CLOSED
Agency: SWRCB
Covenant Uploade**d**:
Deed Date(s): 07/31/2002

Envirostor ID: SL600192639
Area: Not reported
Sub Area: Not reported
Site Type: SLIC
Status: COMPLETED - CASE CLOSED
Agency: SWRCB
Covenant Uploade**d**:
Deed Date(s): 07/02/2002

V92 UNOCAL SERVICE STATION #4845
NW 846 MARINA DR
1/4-1/2 SAN LEANDRO, CA 94577
0.404 mi.
2132 ft. Site 1 of 2 in cluster V

CA LUST S101580193
CA Alameda County CS N/A
CA SWEEPS UST
CA HIST UST
CA FID UST
CA HIST CORTESE

Relative:
Higher

LUST:

Actual:
42 ft.

Region: STATE
Global Id: T0600101489
Latitude: 37.714241
Longitude: -122.158387
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 06/21/1995
Lead Agency: ALAMEDA COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 01-1614
LOC Case Number: RO0000562
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0600101489
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600101489
Status: Completed - Case Closed
Status Date: 06/21/1995

Global Id: T0600101489
Status: Open - Case Begin Date

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL SERVICE STATION #4845 (Continued)

S101580193

Status Date: 04/01/1987

Regulatory Activities:

Global Id: T0600101489
Action Type: REMEDIATION
Date: 04/21/1987
Action: Excavation

Global Id: T0600101489
Action Type: Other
Date: 06/05/1987
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-1614
Facility Status: Case Closed
Case Number: 4460
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 5/12/1987
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 6/29/1993
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:

Status: Case Closed
Record Id: RO0000562
PE: 5602
Facility Status: Case Closed

SWEEPS UST:

Status: Not reported
Comp Number: 7100
Number: Not reported
Board Of Equalization: 44-000051
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-007100-000001
Tank Status: Not reported
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL SERVICE STATION #4845 (Continued)

S101580193

Status: Not reported
Comp Number: 7100
Number: Not reported
Board Of Equalization: 44-000051
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-007100-000002
Tank Status: Not reported
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 7100
Number: Not reported
Board Of Equalization: 44-000051
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-007100-000003
Tank Status: Not reported
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:

File Number: 00036438
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00036438.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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL SERVICE STATION #4845 (Continued)

S101580193

[Click here for Geo Tracker PDF:](#)

CA FID UST:

Facility ID: 01001722
Regulated By: UTKNI
Regulated ID: 00007100
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4153512730
Mail To: Not reported
Mailing Address: 2000 CROW CANYON PL
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94577
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1614

**V93
NW
1/4-1/2
0.407 mi.
2150 ft.**

**COFFEL PROPERTY - PEST CONTROL BUSINESS
2144 ALVARADO
SAN LEANDRO, CA 94578
Site 2 of 2 in cluster V**

**CA SLIC S108246109
CA Alameda County CS N/A**

**Relative:
Higher**

SLIC:

Region: STATE
Facility Status: Completed - Case Closed
Status Date: 03/29/2001
Global Id: T06019728631
Lead Agency: ALAMEDA COUNTY LOP
Lead Agency Case Number: RO0002472
Latitude: 37.714796
Longitude: -122.157743
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: NA
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected: Soil
Potential Contaminants of Concern: Not reported
Site History: Not reported

**Actual:
43 ft.**

[Click here to access the California GeoTracker records for this facility:](#)

Alameda County CS:

Status: Leak Confirmation
Record Id: RO0002472

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COFFEL PROPERTY - PEST CONTROL BUSINESS (Continued)

S108246109

PE: 5502
Facility Status: Leak Confirmation

Status: Case Closed
Record Id: RO0002472
PE: 5502
Facility Status: Case Closed

W94 PETERSON TRACTOR CO
NW 955 MARINA BLVD
1/4-1/2 SAN LEANDRO, CA 94577
0.410 mi.
2165 ft.

SEMS-ARCHIVE 1003879060
CAD982359085

Site 1 of 4 in cluster W

Relative:
Lower

SEMS-ARCHIVE:
Site ID: 902567
EPA ID: CAD982359085
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Actual:
40 ft.

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0902567
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13290591.00000
Person ID: 13003854.00000

Contact Sequence ID: 13296186.00000
Person ID: 13003858.00000

Contact Sequence ID: 13302044.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: / /
Date Completed: 11/01/87
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 12/13/88
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 12/13/88
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
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W95 NW 1/4-1/2 0.410 mi. 2165 ft.	PETERSON TRACTOR COMPANY 955 MARINA BLVD SAN LEANDRO, CA 94577 Site 2 of 4 in cluster W	CA SLIC	S118504702 N/A
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Relative: Lower Actual: 40 ft.	<p>SLIC:</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">Region:</td> <td>STATE</td> </tr> <tr> <td>Facility Status:</td> <td>Open - Inactive</td> </tr> <tr> <td>Status Date:</td> <td>12/15/2015</td> </tr> <tr> <td>Global Id:</td> <td>T10000008153</td> </tr> <tr> <td>Lead Agency:</td> <td>SAN FRANCISCO BAY RWQCB (REGION 2)</td> </tr> <tr> <td>Lead Agency Case Number:</td> <td>Not reported</td> </tr> <tr> <td>Latitude:</td> <td>37.71262</td> </tr> <tr> <td>Longitude:</td> <td>-122.15944</td> </tr> <tr> <td>Case Type:</td> <td>Cleanup Program Site</td> </tr> <tr> <td>Case Worker:</td> <td>Not reported</td> </tr> <tr> <td>Local Agency:</td> <td>Not reported</td> </tr> <tr> <td>RB Case Number:</td> <td>01NBT0330</td> </tr> <tr> <td>File Location:</td> <td>Regional Board</td> </tr> <tr> <td>Potential Media Affected:</td> <td>Soil</td> </tr> <tr> <td>Potential Contaminants of Concern:</td> <td>Waste Oil / Motor / Hydraulic / Lubricating</td> </tr> <tr> <td>Site History:</td> <td>Not reported</td> </tr> </table>	Region:	STATE	Facility Status:	Open - Inactive	Status Date:	12/15/2015	Global Id:	T10000008153	Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)	Lead Agency Case Number:	Not reported	Latitude:	37.71262	Longitude:	-122.15944	Case Type:	Cleanup Program Site	Case Worker:	Not reported	Local Agency:	Not reported	RB Case Number:	01NBT0330	File Location:	Regional Board	Potential Media Affected:	Soil	Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating	Site History:	Not reported
Region:	STATE																																
Facility Status:	Open - Inactive																																
Status Date:	12/15/2015																																
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Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)																																
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Longitude:	-122.15944																																
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Case Worker:	Not reported																																
Local Agency:	Not reported																																
RB Case Number:	01NBT0330																																
File Location:	Regional Board																																
Potential Media Affected:	Soil																																
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating																																
Site History:	Not reported																																

[Click here to access the California GeoTracker records for this facility:](#)

W96 NW 1/4-1/2 0.410 mi. 2165 ft.	PETERSON TRACTOR COMPANY 955 MARINA BLVD SAN LEANDRO, CA 94577 Site 3 of 4 in cluster W	CA ENVIROSTOR CA LUST CA Alameda County CS CA ENF CA HIST CORTESE CA HWT	1000218829 N/A
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Relative: Lower Actual: 40 ft.	<p>ENVIROSTOR:</p> <table border="0" style="width: 100%;"> <tr><td>Facility ID:</td><td>1350118</td></tr> <tr><td>Status:</td><td>Refer: RWQCB</td></tr> <tr><td>Status Date:</td><td>06/10/1994</td></tr> <tr><td>Site Code:</td><td>Not reported</td></tr> <tr><td>Site Type:</td><td>Historical</td></tr> <tr><td>Site Type Detailed:</td><td>* Historical</td></tr> <tr><td>Acres:</td><td>Not reported</td></tr> <tr><td>NPL:</td><td>NO</td></tr> <tr><td>Regulatory Agencies:</td><td>NONE SPECIFIED</td></tr> <tr><td>Lead Agency:</td><td>NONE SPECIFIED</td></tr> <tr><td>Program Manager:</td><td>Not reported</td></tr> <tr><td>Supervisor:</td><td>Referred - Not Assigned</td></tr> <tr><td>Division Branch:</td><td>Cleanup Berkeley</td></tr> <tr><td>Assembly:</td><td>18</td></tr> <tr><td>Senate:</td><td>09</td></tr> <tr><td>Special Program:</td><td>* CERC2</td></tr> <tr><td>Restricted Use:</td><td>NO</td></tr> <tr><td>Site Mgmt Req:</td><td>NONE SPECIFIED</td></tr> <tr><td>Funding:</td><td>Not reported</td></tr> <tr><td>Latitude:</td><td>37.71224</td></tr> <tr><td>Longitude:</td><td>-122.1584</td></tr> <tr><td>APN:</td><td>77A-648-1-7</td></tr> <tr><td>Past Use:</td><td>NONE SPECIFIED</td></tr> <tr><td>Potential COC:</td><td>* HALOGENATED SOLVENTS * Metals - Sludge * OIL/WATER SEPARATION SLUDGE * OXYGENATED SOLVENTS * CONTAMINATED SOIL * Sludge - Degreasing * WASTE OIL & MIXED OIL Arsenic Lead Nickel</td></tr> </table>	Facility ID:	1350118	Status:	Refer: RWQCB	Status Date:	06/10/1994	Site Code:	Not reported	Site Type:	Historical	Site Type Detailed:	* Historical	Acres:	Not reported	NPL:	NO	Regulatory Agencies:	NONE SPECIFIED	Lead Agency:	NONE SPECIFIED	Program Manager:	Not reported	Supervisor:	Referred - Not Assigned	Division Branch:	Cleanup Berkeley	Assembly:	18	Senate:	09	Special Program:	* CERC2	Restricted Use:	NO	Site Mgmt Req:	NONE SPECIFIED	Funding:	Not reported	Latitude:	37.71224	Longitude:	-122.1584	APN:	77A-648-1-7	Past Use:	NONE SPECIFIED	Potential COC:	* HALOGENATED SOLVENTS * Metals - Sludge * OIL/WATER SEPARATION SLUDGE * OXYGENATED SOLVENTS * CONTAMINATED SOIL * Sludge - Degreasing * WASTE OIL & MIXED OIL Arsenic Lead Nickel
Facility ID:	1350118																																																
Status:	Refer: RWQCB																																																
Status Date:	06/10/1994																																																
Site Code:	Not reported																																																
Site Type:	Historical																																																
Site Type Detailed:	* Historical																																																
Acres:	Not reported																																																
NPL:	NO																																																
Regulatory Agencies:	NONE SPECIFIED																																																
Lead Agency:	NONE SPECIFIED																																																
Program Manager:	Not reported																																																
Supervisor:	Referred - Not Assigned																																																
Division Branch:	Cleanup Berkeley																																																
Assembly:	18																																																
Senate:	09																																																
Special Program:	* CERC2																																																
Restricted Use:	NO																																																
Site Mgmt Req:	NONE SPECIFIED																																																
Funding:	Not reported																																																
Latitude:	37.71224																																																
Longitude:	-122.1584																																																
APN:	77A-648-1-7																																																
Past Use:	NONE SPECIFIED																																																
Potential COC:	* HALOGENATED SOLVENTS * Metals - Sludge * OIL/WATER SEPARATION SLUDGE * OXYGENATED SOLVENTS * CONTAMINATED SOIL * Sludge - Degreasing * WASTE OIL & MIXED OIL Arsenic Lead Nickel																																																

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETERSON TRACTOR COMPANY (Continued)

1000218829

Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: Not reported
Alias Type: Not reported

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

LUST:

Region: STATE
Global Id: T0600101072
Latitude: 37.712243
Longitude: -122.158415
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/07/1998
Lead Agency: ALAMEDA COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 01-1163
LOC Case Number: RO0000941
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0600101072
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600101072
Status: Completed - Case Closed
Status Date: 07/07/1998

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETERSON TRACTOR COMPANY (Continued)

1000218829

Global Id: T0600101072
Status: Open - Case Begin Date
Status Date: 06/13/1985

Regulatory Activities:

Global Id: T0600101072
Action Type: REMEDIATION
Date: 11/17/1988
Action: Excavation

Global Id: T0600101072
Action Type: Other
Date: 06/13/1985
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-1163
Facility Status: Case Closed
Case Number: 1745
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 12/22/1988
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:

Status: Case Closed
Record Id: RO0000941
PE: 5602
Facility Status: Case Closed

ENF:

Region: 2
Facility Id: 248137
Agency Name: Peterson Tractor Company
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
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETERSON TRACTOR COMPANY (Continued)

1000218829

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:	UNREGS
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	2 019238N01
Reg Measure Id:	161559
Reg Measure Type:	Unregulated
Region:	2
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:	02/21/2013
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):	220585
Region:	2
Order / Resolution Number:	85-001
Enforcement Action Type:	Admin Civil Liability
Effective Date:	11/20/1985
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/01/1987
ACL Issuance Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETERSON TRACTOR COMPANY (Continued)

1000218829

EPL Issuance Date: Not reported
Status: Historical
Title: ACL 85-001 for PETERSON TRACTOR CO
Description: DISCH OF 200 GALLONS OF OIL TO SURFACE WATER-PD 17,500
Program: UNREGS
Latest Milestone Completion Date: 1992-09-01
Of Programs1: 1
Total Assessment Amount: \$17,500.00
Initial Assessed Amount: \$0.00
Liability \$ Amount: \$17,500.00
Project \$ Amount: \$0.00
Liability \$ Paid: \$17,500.00
Project \$ Completed: \$0.00
Total \$ Paid/Completed Amount: \$17,500.00

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1163

HWT:

Reg Num: 3599
Expiration Date: 08/31/2016

97
North
1/4-1/2
0.411 mi.
2168 ft.

YOKOTA NURSERY
467 MARINA BOULEVARD
SAN LEANDRO, CA 94577

CA ENVIROSTOR **S113132031**
CA VCP **N/A**
CA HAZNET

Relative:
Higher

ENVIROSTOR:

Actual:
52 ft.

Facility ID: 1010011
Status: Refer: RWQCB
Status Date: 08/29/2002
Site Code: 201422
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 9
NPL: NO
Regulatory Agencies: RWQCB 2 - San Francisco Bay
Lead Agency: RWQCB 2 - San Francisco Bay
Program Manager: Jayantha Randeni
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Assembly: 18
Senate: 09
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 37.71461
Longitude: -122.1533
APN: 75-87-3-2, 75-87-4-14, 75-87-4-4, 75-87-4-6
Past Use: NURSERY
Potential COC: DDD DDT Dieldrin
Confirmed COC: DDD DDT Dieldrin

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YOKOTA NURSERY (Continued)

S113132031

Potential Description: SOIL
Alias Name: Not reported
Alias Type: Not reported

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

VCP:
Facility ID: 1010011
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 9
National Priorities List: NO
Cleanup Oversight Agencies: RWQCB 2 - San Francisco Bay
Lead Agency: RWQCB 2 - San Francisco Bay
Lead Agency Description: RWQCB 2 - San Francisco Bay
Project Manager: Jayantha Randeni
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Site Code: 201422
Assembly: 18
Senate: 09
Special Programs Code: Voluntary Cleanup Program
Status: Refer: RWQCB
Status Date: 08/29/2002
Restricted Use: NO
Funding: Not reported
Lat/Long: 37.71461 / -122.1533
APN: 75-87-3-2, 75-87-4-14, 75-87-4-4, 75-87-4-6
Past Use: NURSERY
Potential COC: 30006, 30008, 30207
Confirmed COC: 30006,30008,30207
Potential Description: SOIL
Alias Name: Not reported
Alias Type: Not reported

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YOKOTA NURSERY (Continued)

S113132031

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

HAZNET:

envid: S113132031
Year: 2013
GEPaid: CAL000282307
Contact: KAREN COSTA
Telephone: 5108955000
Mailing Name: Not reported
Mailing Address: 467 MARINA BLVD
Mailing City,St,Zip: SAN LEANDRO, CA 945770000
Gen County: Alameda
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 0.1251
Cat Decode: Not reported
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Facility County: Not reported

envid: S113132031
Year: 2011
GEPaid: CAL000282307
Contact: KAREN COSTA
Telephone: 5108955000
Mailing Name: Not reported
Mailing Address: 467 MARINA BLVD
Mailing City,St,Zip: SAN LEANDRO, CA 945770000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 0.3336
Cat Decode: Unspecified oil-containing waste
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Facility County: Alameda

envid: S113132031
Year: 2010
GEPaid: CAL000282307
Contact: KAREN COSTA
Telephone: 5108955000
Mailing Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YOKOTA NURSERY (Continued)

S113132031

Mailing Address: 467 MARINA BLVD
Mailing City,St,Zip: SAN LEANDRO, CA 945770000
Gen County: Not reported
TSD EPA ID: CA0000084517
TSD County: Not reported
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: 0.1554
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: Alameda

envid: S113132031
Year: 2008
GEPAID: CAL000282307
Contact: KAREN COSTA
Telephone: 5108955000
Mailing Name: Not reported
Mailing Address: 467 MARINA BLVD
Mailing City,St,Zip: SAN LEANDRO, CA 945770000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.1251
Cat Decode: Unspecified oil-containing waste
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: Alameda

envid: S113132031
Year: 2006
GEPAID: CAL000282307
Contact: KAREN COSTA
Telephone: 5108955000
Mailing Name: Not reported
Mailing Address: 467 MARINA BLVD
Mailing City,St,Zip: SAN LEANDRO, CA 945770000
Gen County: Not reported
TSD EPA ID: CAD980887418
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 5.6
Cat Decode: Waste oil and mixed oil
Method Decode: Recycler
Facility County: Alameda

[Click this hyperlink](#) while viewing on your computer to access 4 additional CA_HAZNET: record(s) in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

98
NNW
1/4-1/2
0.415 mi.
2192 ft.

SPENCER NAHM CO
620 MARINA BLVD
SAN LEANDRO, CA 94577

CA LUST
CA SWEEPS UST
CA FID UST
CA HIST CORTESE

S101624149
N/A

Relative:
Higher

LUST:

Actual:
45 ft.

Region: STATE
Global Id: T0600101731
Latitude: 37.715425
Longitude: -122.156532
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/15/1996
Lead Agency: SAN LEANDRO, CITY OF
Case Worker: UNK
Local Agency: SAN LEANDRO, CITY OF
RB Case Number: 01-1868
LOC Case Number: 01-1868
File Location: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0600101731
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0600101731
Contact Type: Local Agency Caseworker
Contact Name: UNK
Organization Name: SAN LEANDRO, CITY OF
Address: Not reported
City: r2 UNKNOWN
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600101731
Status: Completed - Case Closed
Status Date: 02/15/1996

Global Id: T0600101731
Status: Open - Case Begin Date
Status Date: 03/28/1991

Global Id: T0600101731
Status: Open - Site Assessment
Status Date: 02/01/1994

Global Id: T0600101731

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPENCER NAHM CO (Continued)

S101624149

Status: Open - Site Assessment
Status Date: 03/15/1994

Global Id: T0600101731
Status: Open - Site Assessment
Status Date: 08/29/1994

Regulatory Activities:

Global Id: T0600101731
Action Type: Other
Date: 03/28/1991
Action: Leak Stopped

Global Id: T0600101731
Action Type: Other
Date: 03/28/1991
Action: Leak Discovery

Global Id: T0600101731
Action Type: Other
Date: 08/21/1991
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-1868
Facility Status: Case Closed
Case Number: 01-1868
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: Piping
Date Leak Confirmed: 2/1/1994
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: 3/15/1994
Preliminary Site Assessment Began: 8/29/1994
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

SWEEPS UST:

Status: Not reported
Comp Number: 16632
Number: Not reported
Board Of Equalization: 44-001095
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-016632-000001
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPENCER NAHM CO (Continued)

S101624149

Content: REG UNLEADED
Number Of Tanks: 4

Status: Not reported
Comp Number: 16632
Number: Not reported
Board Of Equalization: 44-001095
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-016632-000002
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 16632
Number: Not reported
Board Of Equalization: 44-001095
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-016632-000003
Tank Status: Not reported
Capacity: 500
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 16632
Number: Not reported
Board Of Equalization: 44-001095
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-016632-000004
Tank Status: Not reported
Capacity: 500
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 01002386
Regulated By: UTNKI

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPENCER NAHM CO (Continued)

S101624149

Regulated ID: 00016632
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4153519380
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94577
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1868

**X99
ESE
1/4-1/2
0.420 mi.
2215 ft.**

**R.L. STEVENS COMPANY
14273 WASHINGTON AVE
SAN LEANDRO, CA 94578**

**CA LUST
CA HAZNET
CA HIST CORTESE**

**S101580125
N/A**

Site 1 of 2 in cluster X

**Relative:
Lower**

LUST:

**Actual:
40 ft.**

Region: STATE
Global Id: T0600101191
Latitude: 37.706746
Longitude: -122.144671
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/08/1997
Lead Agency: SAN LEANDRO, CITY OF
Case Worker: UNK
Local Agency: SAN LEANDRO, CITY OF
RB Case Number: 01-1295
LOC Case Number: 01-1295
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0600101191
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

R.L. STEVENS COMPANY (Continued)

S101580125

Global Id: T0600101191
Contact Type: Local Agency Caseworker
Contact Name: UNK
Organization Name: SAN LEANDRO, CITY OF
Address: Not reported
City: r2 UNKNOWN
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600101191
Status: Completed - Case Closed
Status Date: 07/08/1997

Global Id: T0600101191
Status: Open - Case Begin Date
Status Date: 09/16/1988

Global Id: T0600101191
Status: Open - Site Assessment
Status Date: 09/18/1996

Regulatory Activities:

Global Id: T0600101191
Action Type: Other
Date: 09/16/1988
Action: Leak Stopped

Global Id: T0600101191
Action Type: Other
Date: 09/16/1988
Action: Leak Discovery

Global Id: T0600101191
Action Type: Other
Date: 09/16/1988
Action: Leak Reported

HAZNET:

envid: S101580125
Year: 2013
GEPaid: CAC002739079
Contact: ROBERT STEVENS
Telephone: 5108890908
Mailing Name: Not reported
Mailing Address: PO BOX 361
Mailing City,St,Zip: SAN LEANDRO, CA 945770036
Gen County: Alameda
TSD EPA ID: CAD980887418
TSD County: Alameda
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.4587
Cat Decode: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

R.L. STEVENS COMPANY (Continued)

S101580125

Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Facility County: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1295

**X100
ESE
1/4-1/2
0.420 mi.
2215 ft.**

**SAN LEANDRO RENTAL
14273 WASHINGTON AVE
SAN LEANDRO, CA 94578**

**CA LUST
CA SWEEPS UST
CA WDS**

**S101293869
N/A**

Site 2 of 2 in cluster X

**Relative:
Lower**

LUST REG 2:

Region: 2
Facility Id: 01-1295
Facility Status: Case Closed
Case Number: 01-1295
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 9/18/1996
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

**Actual:
40 ft.**

SWEEPS UST:

Status: Not reported
Comp Number: 507
Number: Not reported
Board Of Equalization: 44-001037
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-000507-000001
Tank Status: Not reported
Capacity: 5000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 3

Status: Not reported
Comp Number: 507
Number: Not reported
Board Of Equalization: 44-001037
Referral Date: Not reported
Action Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN LEANDRO RENTAL (Continued)

S101293869

Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-000507-000002
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 507
Number: Not reported
Board Of Equalization: 44-001037
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-000507-000003
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

WDS:

Facility ID: San Francisco Bay 011018349
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: 2
Facility Telephone: 5103575900
Facility Contact: Jeff Sanders
Agency Name: UNITED RENTALS INC
Agency Address: 1153 Bergen Pkwy Ste M237
Agency City,St,Zip: Evergreen 804399501
Agency Contact: Dan Sweeney
Agency Telephone: 3036741320
Agency Type: ?
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

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SAN LEANDRO RENTAL (Continued)

S101293869

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 those who 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.

**W101
 NW
 1/4-1/2
 0.438 mi.
 2315 ft.**

**MARINA FOOD MART
 2180 ORCHARD AVE
 SAN LEANDRO, CA 94577**

**CA LUST
 CA SWEEPS UST
 CA FID UST**

**S101580493
 N/A**

Site 4 of 4 in cluster W

**Relative:
 Lower**

LUST:

**Actual:
 39 ft.**

Region: STATE
 Global Id: T0600167672
 Latitude: 37.713571
 Longitude: -122.15992
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 07/13/2012
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 01-3588
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Diesel
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0600167672
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

Status History:

Global Id: T0600167672
 Status: Completed - Case Closed
 Status Date: 07/13/2012

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINA FOOD MART (Continued)

S101580493

Global Id: T0600167672
Status: Open - Case Begin Date
Status Date: 09/26/2005

Global Id: T0600167672
Status: Open - Site Assessment
Status Date: 09/27/2005

Global Id: T0600167672
Status: Open - Verification Monitoring
Status Date: 10/10/2011

Regulatory Activities:

Global Id: T0600167672
Action Type: ENFORCEMENT
Date: 03/28/2012
Action: Site Visit / Inspection / Sampling

Global Id: T0600167672
Action Type: ENFORCEMENT
Date: 07/13/2012
Action: Closure/No Further Action Letter

Global Id: T0600167672
Action Type: REMEDIATION
Date: 09/27/2005
Action: Not reported

Global Id: T0600167672
Action Type: ENFORCEMENT
Date: 01/21/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0600167672
Action Type: Other
Date: 09/26/2005
Action: Leak Discovery

Global Id: T0600167672
Action Type: Other
Date: 09/27/2005
Action: Leak Reported

SWEEPS UST:

Status: Active
Comp Number: 51333
Number: 1
Board Of Equalization: 44-001155
Referral Date: 11-27-90
Action Date: 11-27-90
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 01-007-051333-000001
Tank Status: A
Capacity: 10000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINA FOOD MART (Continued)

S101580493

Active Date: 11-27-90
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 5

Status: Active
Comp Number: 51333
Number: 1
Board Of Equalization: 44-001155
Referral Date: 11-27-90
Action Date: 11-27-90
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 01-007-051333-000002
Tank Status: A
Capacity: 10000
Active Date: 11-27-90
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 51333
Number: 1
Board Of Equalization: 44-001155
Referral Date: 11-27-90
Action Date: 11-27-90
Created Date: 02-29-88
Owner Tank Id: 3
SWRCB Tank Id: 01-007-051333-000003
Tank Status: A
Capacity: 10000
Active Date: 11-27-90
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 51333
Number: 1
Board Of Equalization: 44-001155
Referral Date: 11-27-90
Action Date: 11-27-90
Created Date: 02-29-88
Owner Tank Id: 4
SWRCB Tank Id: 01-007-051333-000004
Tank Status: A
Capacity: 10000
Active Date: 11-27-90
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINA FOOD MART (Continued)

S101580493

Status: Active
Comp Number: 51333
Number: 1
Board Of Equalization: 44-001155
Referral Date: 11-27-90
Action Date: 11-27-90
Created Date: 02-29-88
Owner Tank Id: 5
SWRCB Tank Id: 01-007-051333-000005
Tank Status: A
Capacity: 100
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 01003011
Regulated By: UTNKA
Regulated ID: 00051333
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4154838007
Mail To: Not reported
Mailing Address: 3500 BREAKWATER AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94577
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

102
East
1/4-1/2
0.446 mi.
2357 ft.

DWA PLUME
SAN LEANDRO (GROUNDWATER CONTAMINATION)
SAN LEANDRO, CA 94578

CA RESPONSE **S101272669**
CA ENVIROSTOR **N/A**
CA HIST Cal-Sites
CA Cortese

Relative:
Higher

AWP:

Actual:
44 ft.

AWP Facility ID: 01990002
Region Code: 2
Region: BERKELEY
SMBR Branch Code: NC
SMBR Branch Unit: NORTH COAST
Site Name.: Not reported
Current Status Date: 12311999
Current Status: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency Code: DTSC
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
Facility Type: State orphan site
Awp Site Type: STATE FUNDED SITE
NPL: Not Listed
Tier Of AWP Site: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DWA PLUME (Continued)

S101272669

Source Of Funding: C
Responsible Staff Member: JRANDENI
Supervisor Responsible: Not reported
SIC Code: 99
Facility SIC: NONCLASSIFIABLE ESTABLISHMENTS
RWQCB Code: SF
RWQCB Associated With Site: SAN FRANCISCO BAY
Site Access Controlled: Uncontrolled
Site Listed HWS List: Not reported
Hazard Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Confirmed
Of Contamination Sources: 5
Lat/Long: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Description Of Entity: Not reported
State Assembly Distt Code: 18
State Senate District: 10

RESPONSE:

Facility ID: 1990002
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 100
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Karen Toth
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Site Code: 200327
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 18
Senate: 09
Special Program Status: Not reported
Status: Active
Status Date: 12/31/1999
Restricted Use: NO
Funding: Orphan Funds
Latitude: 37.70897
Longitude: -122.1433
APN: 075 008401405, 075 008401502, 075 008401904, 075 008700102, 075 008700416, 075 008700800, 077A065000310, 077B080001400, 077B085500702, 077B085500708, 077B085500803, 077B085503100, 077D142400508, 077D143701304, 077D144000123
Past Use: DRY CLEANING, LAUNDRY SERVICES, MANUFACTURING - ELECTRONIC, MANUFACTURING - LUMBER/WOOD PRODUCTS, MANUFACTURING - METAL, PAINT MANUFACTURING, RESIDENTIAL AREA, TRANSPORTATION - WAREHOUSING
Potential COC : Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Vinyl chloride 1,2-Dichloroethylene (cis Confirmed COC: Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Vinyl chloride 1,2-Dichloroethylene (cis Potential Description: OTH, SV, OTH, SV
Alias Name: Not reported
Alias Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DWA PLUME (Continued)

S101272669

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

ENVIROSTOR:

Facility ID: 1990002
Status: Active
Status Date: 12/31/1999
Site Code: 200327
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 100
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Karen Toth
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Assembly: 18
Senate: 09
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Orphan Funds
Latitude: 37.70897
Longitude: -122.1433
APN: 075 008401405, 075 008401502, 075 008401904, 075 008700102, 075 008700416, 075 008700800, 077A065000310, 077B080001400, 077B085500702, 077B085500708, 077B085500803, 077B085503100, 077D142400508, 077D143701304, 077D144000123
Past Use: DRY CLEANING, LAUNDRY SERVICES, MANUFACTURING - ELECTRONIC, MANUFACTURING - LUMBER/WOOD PRODUCTS, MANUFACTURING - METAL, PAINT MANUFACTURING, RESIDENTIAL AREA, TRANSPORTATION - WAREHOUSING
Potential COC: Tetrachloroethylene (PCE Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Vinyl chloride 1,2-Dichloroethylene (cis
Confirmed COC: Tetrachloroethylene (PCE Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Vinyl chloride 1,2-Dichloroethylene (cis
Potential Description: OTH, SV, OTH, SV
Alias Name: Not reported
Alias Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DWA PLUME (Continued)

S101272669

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

Calsite:

Region: BERKELEY
Facility ID: 01990002
Facility Type: STATE
Type: STATE FUNDED SITE
Branch: NC
Branch Name: NORTH COAST
File Name: Not reported
State Senate District: 12311999
Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not Listed
SIC Code: 99
SIC Name: NONCLASSIFIABLE ESTABLISHMENTS
Access: Uncontrolled
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Confirmed
Staff Member Responsible for Site: JRANDENI
Supervisor Responsible for Site: Not reported
Region Water Control Board: SF
Region Water Control Board Name: SAN FRANCISCO BAY
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: Not reported
State Assembly District Code: 18
State Senate District Code: 10
Facility ID: 01990002
Activity: PRP
Activity Name: POTENTIAL RESPONSIBLE PARTY SEARCH
AWP Code: BASE
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 01201993
Est Person-Yrs to complete: 0

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DWA PLUME (Continued)

S101272669

Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	01990002
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	STREE
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	11122002
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	500
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	ORC WAS INJECTED AT THE GROUNDWATER INTERFACE TO CHEMICALLY REDUCETHE VOCS FOUND. ONGOING MONITORING WILL OCCUR UNDER A IN-SITU GWPILLOT STUDY BEING CONDUCTED.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	01990002
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	STREE
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	03132002
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DWA PLUME (Continued)

S101272669

Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01990002
Activity: RIFS
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: 07012005
Revised Due Date: 07012006
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01990002
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: 12312005
Revised Due Date: 12012006
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01990002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DWA PLUME (Continued)

S101272669

Activity: DES
Activity Name: DESIGN
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: 06302006
Revised Due Date: 06302007
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01990002
Activity: RMDL
Activity Name: REMEDIAL ACTION (RAP REQUIRED)
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: 12312007
Revised Due Date: 12312007
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01990002
Activity: CERT
Activity Name: CERTIFICATION
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: 12312008
Revised Due Date: 12312008
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DWA PLUME (Continued)

S101272669

Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01990002
Activity: CEQA
Activity Name: CEQA INCLUDING NEGATIVE DECS
AWP Code: NOE
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 03132002
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01990002
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: ISE
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 05291992
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DWA PLUME (Continued)

S101272669

Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Alternate Address: SAN LEANDRO (GROUNDWATER CONTAMINATION)
Alternate City,St,Zip: SAN LEANDRO, CA 94578
Alternate Address: 750 139TH AVENUE
Alternate City,St,Zip: SAN LEANDRO, CA 94578
Alternate Address: 1465 FACTOR AVENUE
Alternate City,St,Zip: SAN LEANDRO, CA 94577
Background Info: DTSC was conducting six site specific investigations in San Leandro. Investigations at these sites indicated that a regional shallow groundwater contamination exist. A Public Health Advisory was issued, advising residents not to use private wells for domestic purposes unless tested regularly. Contaminants of primary concern are trichloroethylene(TCE), perchloroethylene(PCE), dichloroethylene and related compounds. They as well as metals and nitrate have all been found above the state drinking water standards. Domestic water is supplied by East Bay Municipal Utility District. However, up to 2000 private wells may exist in San Leandro. In 1993 and 1995 DTSC conducted a series of investigations and determined the extent of the plume to be 1 mile wide and 2 miles long. DTSC is conducting a number of in-situ pilot studies to evaluate techniques to treat the underlying groundwater. groundwater. For site specific information see 1465 Factor Avenue, Hudson I.C.S., 750 139th Avenue Site, Singer Friden, Staefa, U.S. Can Company, Former Transcon Lines Site, Simmons Site, Dana Corporation Site, Cintas Corporation Site and Century Plating.
Comments Date: 01201993
Comments: Interim Groundwater Contamination Report for Central San
Comments Date: 01201993
Comments: Leandro.
Comments Date: 01201995
Comments: Data Report: Remedial Investigation of Soil Contamination,
Comments Date: 01201995
Comments: Century Plating Site (3 Volumes).
Comments Date: 03132002
Comments: Approved RAW for the contamination located next to 2481 San
Comments Date: 03132002
Comments: Leandro Boulevard which requires the excavation and offsite
Comments Date: 03132002
Comments: disposal of soil contaminated with TCE and PCE.
Comments Date: 05291992
Comments: Issued Imminent and Substantial Endangerment Determination.
Comments Date: 07231993
Comments: Data Report, Remedial Investigation of Regional Groundwater
Comments Date: 07231993
Comments: Contamination.
Comments Date: 11122002
Comments: Completed RA. Between August 1 and August 26, 2002, DTSC's
Comments Date: 11122002
Comments: contractor conducted a removal action using state funds at the
Comments Date: 11122002
Comments: San Leandro Source Area. Approximately 500 cubic yards of soil
Comments Date: 11122002

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DWA PLUME (Continued)

S101272669

Comments: contaminated with volatile organic compounds (VOCs) primarily
 Comments Date: 11122002
 Comments: trichloroethene (TCE) and tetrachloethene (PCE) was excavated
 Comments Date: 11122002
 Comments: from the following locations: 1) the 1600 square foot area
 Comments Date: 11122002
 Comments: adjacent to San Leandro Boulevard (to a depth of 7 feet), and 2)
 Comments Date: 11122002
 Comments: the 100 square foot area extending into San Leandro Boulevard
 Comments Date: 11122002
 Comments: (to a depth of 15 feet).
 Comments Date: 12291993
 Comments: Hydrogeology of Central San Leandro Remedial Investigation
 Comments Date: 12291993
 Comments: of the Regional Groundwater Contamination, San Leandro
 Comments Date: 12291993
 Comments: Plume.
 ID Name: CALSTARS CODE
 ID Value: 200327
 Alternate Name: SAN LEANDRO REGIONAL PLUMESINGER-FRIDEN (OFF-SITE)750 139TH SITE (OFF-SITE)1465
 FACTOR AVENUE SITE (OFF-SITE)DWA PLUME
 Special Programs Code: Not reported
 Special Programs Name: Not reported

CORTESE:

Region: CORTESE
 Envirostor Id: 1990002
 Site/Facility Type: STATE RESPONSE
 Cleanup Status: ACTIVE
 Status Date: 12/31/1999
 Site Code: 200327
 Latitude: 37.708975
 Longitude: -122.14339
 Owner: Not reported
 Enf Type: Not reported
 Swat R: Not reported
 Flag: envirostor
 Order No: Not reported
 Waste Discharge System No: Not reported
 Effective Date: Not reported
 Region 2: Not reported
 WID Id: Not reported
 Solid Waste Id No: Not reported
 Waste Management Uit Name: Not reported

Y103
WNW
 1/4-1/2
 0.451 mi.
 2382 ft.

SAFEWAY PRESERVES PLANT
1111 MARINA BLVD
SAN LEANDRO, CA 94577
 Site 1 of 3 in cluster Y

CA LUST
CA Alameda County CS
CA SWEEPS UST
CA FID UST
CA HIST CORTESE

S101624142
N/A

Relative:
Lower

LUST:
 Region: STATE
 Global Id: T0600101179
 Latitude: 37.7125145
 Longitude: -122.1615158
 Case Type: LUST Cleanup Site

Actual:
36 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFeway PRESERVES PLANT (Continued)

S101624142

Status: Completed - Case Closed
Status Date: 06/28/1996
Lead Agency: ALAMEDA COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 01-1282
LOC Case Number: RO0001040
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0600101179
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600101179
Status: Completed - Case Closed
Status Date: 06/28/1996

Global Id: T0600101179
Status: Open - Case Begin Date
Status Date: 12/15/1989

Regulatory Activities:

Global Id: T0600101179
Action Type: REMEDIATION
Date: 12/01/1989
Action: Excavation

Global Id: T0600101179
Action Type: Other
Date: 12/15/1989
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-1282
Facility Status: Case Closed
Case Number: 2584
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 6/20/1990
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: 2/20/1990

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFeway PRESERVES PLANT (Continued)

S101624142

Preliminary Site Assessment Began: 10/10/1990
Pollution Characterization Began: 5/15/1992
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:

Status: Case Closed
Record Id: RO0001040
PE: 5602
Facility Status: Case Closed

SWEEPS UST:

Status: Not reported
Comp Number: 4671
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: 01-007-004671-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: 3

Status: Not reported
Comp Number: 4671
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: 01-007-004671-000002
Tank Status: Not reported
Capacity: 9980
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 4671
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: 01-007-004671-000003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFeway PRESERVES PLANT (Continued)

S101624142

Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 01001397
Regulated By: UTKI
Regulated ID: 00004671
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4155775169
Mail To: Not reported
Mailing Address: 150 MASON CIR
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94577
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1282

Y104
WNW
1/4-1/2
0.453 mi.
2390 ft.

MARINA AUTO ELECTRIC
1066 MARINA
SAN LEANDRO, CA 94577
Site 2 of 3 in cluster Y

CA LUST S102432996
CA HIST CORTESE N/A

Relative:
Lower

LUST:

Actual:
37 ft.

Region: STATE
Global Id: T0600101924
Latitude: 37.713024
Longitude: -122.161413
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/29/1996
Lead Agency: SAN LEANDRO, CITY OF
Case Worker: UNK
Local Agency: SAN LEANDRO, CITY OF
RB Case Number: 01-2093
LOC Case Number: 01-2093
File Location: Not reported
Potential Media Affect: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINA AUTO ELECTRIC (Continued)

S102432996

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0600101924
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0600101924
Contact Type: Local Agency Caseworker
Contact Name: UNK
Organization Name: SAN LEANDRO, CITY OF
Address: Not reported
City: r2 UNKNOWN
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600101924
Status: Completed - Case Closed
Status Date: 07/29/1996

Global Id: T0600101924
Status: Open - Case Begin Date
Status Date: 07/12/1995

Global Id: T0600101924
Status: Open - Site Assessment
Status Date: 07/12/1995

Regulatory Activities:

Global Id: T0600101924
Action Type: Other
Date: 02/26/1996
Action: Leak Stopped

Global Id: T0600101924
Action Type: Other
Date: 02/26/1996
Action: Leak Discovery

Global Id: T0600101924
Action Type: Other
Date: 02/26/1996
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-2093
Facility Status: Case Closed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINA AUTO ELECTRIC (Continued)

S102432996

Case Number: 01-2093
How Discovered: OM
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 7/12/1995
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-2093

**105
WSW
1/4-1/2
0.455 mi.
2402 ft.**

**CHIPMAN CORPORATION
1717 FAIRWAY DR
SAN LEANDRO, CA 94577**

**CA LUST S101624099
CA SWEEPS UST N/A
CA FID UST
CA HIST CORTESE**

**Relative:
Lower**

LUST:

Region: STATE
Global Id: T0600100866
Latitude: 37.7072392
Longitude: -122.1592022
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 08/09/1995
Lead Agency: SAN LEANDRO, CITY OF
Case Worker: UNK
Local Agency: SAN LEANDRO, CITY OF
RB Case Number: 01-0941
LOC Case Number: 01-0941
File Location: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

**Actual:
26 ft.**

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0600100866
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0600100866
Contact Type: Local Agency Caseworker
Contact Name: UNK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHIPMAN CORPORATION (Continued)

S101624099

Organization Name: SAN LEANDRO, CITY OF
Address: Not reported
City: r2 UNKNOWN
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600100866
Status: Completed - Case Closed
Status Date: 08/09/1995

Global Id: T0600100866
Status: Open - Case Begin Date
Status Date: 03/02/1993

Global Id: T0600100866
Status: Open - Site Assessment
Status Date: 04/14/1993

Global Id: T0600100866
Status: Open - Site Assessment
Status Date: 04/19/1994

Global Id: T0600100866
Status: Open - Site Assessment
Status Date: 04/21/1994

Regulatory Activities:

Global Id: T0600100866
Action Type: Other
Date: 03/02/1993
Action: Leak Stopped

Global Id: T0600100866
Action Type: Other
Date: 03/02/1993
Action: Leak Discovery

Global Id: T0600100866
Action Type: Other
Date: 03/18/1993
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-0941
Facility Status: Case Closed
Case Number: 01-0941
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 4/14/1993
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: 4/19/1994
Preliminary Site Assessment Began: 4/21/1994

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHIPMAN CORPORATION (Continued)

S101624099

Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

SWEEPS UST:

Status: Not reported
Comp Number: 51549
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: 01-007-051549-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 1

CA FID UST:

Facility ID: 01001659
Regulated By: UTNKA
Regulated ID: 00051549
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4156394500
Mail To: Not reported
Mailing Address: 1717 FAIRWAY DR
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94577
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-0941

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

Z106
NW
1/4-1/2
0.462 mi.
2438 ft.

864-866 ESTABROOK STREET, SAN LEANDRO
864-866 ESTABROOK STREET
SAN LEANDRO, CA 94577

CA SLIC
CA BROWNFIELDS

S112833010
N/A

Site 1 of 2 in cluster Z

Relative:
Higher

SLIC:

Region: STATE
Facility Status: Completed - Case Closed

Actual:
42 ft.

Status Date: 02/19/2013
Global Id: T10000004550
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number: Not reported
Latitude: 37.7145747
Longitude: -122.1591783
Case Type: Cleanup Program Site
Case Worker: RL
Local Agency: Not reported
RB Case Number: Not reported
File Location: Regional Board
Potential Media Affected: Soil
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

BROWNFIELDS:

Global ID: T10000004550

Z107
NW
1/4-1/2
0.462 mi.
2439 ft.

METAL MENDING
868 ESTABROOK ST
SAN LEANDRO, CA 94577

CA LUST
CA Alameda County CS
CA HIST CORTESE

S102433319
N/A

Site 2 of 2 in cluster Z

Relative:
Higher

LUST:

Region: STATE
Global Id: T0600101988
Latitude: 37.7145283
Longitude: -122.1592863
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 10/16/1996
Lead Agency: ALAMEDA COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 01-2164
LOC Case Number: RO0000973
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0600101988
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METAL MENDING (Continued)

S102433319

Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600101988
Status: Completed - Case Closed
Status Date: 10/16/1996

Global Id: T0600101988
Status: Open - Case Begin Date
Status Date: 09/04/1990

Regulatory Activities:

Global Id: T0600101988
Action Type: REMEDIATION
Date: 09/04/1990
Action: Excavation

Global Id: T0600101988
Action Type: Other
Date: 09/04/1990
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-2164
Facility Status: Case Closed
Case Number: 4537
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: Tank
Date Leak Confirmed: 9/4/1990
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:

Status: Case Closed
Record Id: RO0000973
PE: 5602
Facility Status: Case Closed

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-2164

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AA108 **SERVICE PLASTERING, INC.**
ENE **1090 139TH AVE**
1/4-1/2 **SAN LEANDRO, CA 94578**
0.465 mi.
2456 ft. **Site 1 of 4 in cluster AA**

CA LUST **S101624168**
CA SWEEPS UST **N/A**
CA FID UST
CA HIST CORTESE

Relative:
Higher

LUST:

Actual:
48 ft.

Region: STATE
Global Id: T0600101216
Latitude: 37.710251
Longitude: -122.143558
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/18/1994
Lead Agency: SAN LEANDRO, CITY OF
Case Worker: UNK
Local Agency: SAN LEANDRO, CITY OF
RB Case Number: 01-1321
LOC Case Number: 01-1321
File Location: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0600101216
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0600101216
Contact Type: Local Agency Caseworker
Contact Name: UNK
Organization Name: SAN LEANDRO, CITY OF
Address: Not reported
City: r2 UNKNOWN
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600101216
Status: Completed - Case Closed
Status Date: 04/18/1994

Global Id: T0600101216
Status: Open - Case Begin Date
Status Date: 04/09/1986

Global Id: T0600101216
Status: Open - Site Assessment
Status Date: 04/09/1986

Global Id: T0600101216

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SERVICE PLASTERING, INC. (Continued)

S101624168

Status: Open - Site Assessment
Status Date: 05/15/1986

Regulatory Activities:

Global Id: T0600101216
Action Type: Other
Date: 05/27/1986
Action: Leak Stopped

Global Id: T0600101216
Action Type: Other
Date: 05/27/1986
Action: Leak Discovery

Global Id: T0600101216
Action Type: Other
Date: 05/27/1986
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-1321
Facility Status: Case Closed
Case Number: 01-1321
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: 4/9/1986
Preliminary Site Assessment Began: 5/15/1986
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

SWEEPS UST:

Status: Not reported
Comp Number: 5958
Number: Not reported
Board Of Equalization: 44-001056
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-005958-000001
Tank Status: Not reported
Capacity: 4000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 2

Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SERVICE PLASTERING, INC. (Continued)

S101624168

Comp Number: 5958
Number: Not reported
Board Of Equalization: 44-001056
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-005958-000002
Tank Status: Not reported
Capacity: 4000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 01001433
Regulated By: UTKNI
Regulated ID: 00005958
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4154839732
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94578
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1321

AA109 GOLDEN GRAIN
ENE 1111 139TH AVE
1/4-1/2 SAN LEANDRO, CA 94578
0.467 mi.
2466 ft.
Site 2 of 4 in cluster AA

**Relative:
Higher**

**Actual:
48 ft.**

LUST:

Region: STATE
Global Id: T0600100653
Latitude: 37.711716
Longitude: -122.144945
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/23/1994

CA LUST 1000206507
CA Alameda County CS N/A
CA SWEEPS UST
CA HIST UST
CA FID UST
CA HIST CORTESE
CA NPDES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN GRAIN (Continued)

1000206507

Lead Agency: ALAMEDA COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: NA
LOC Case Number: RO0002724
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0600100653
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600100653
Status: Completed - Case Closed
Status Date: 02/23/1994

Global Id: T0600100653
Status: Open - Case Begin Date
Status Date: 02/23/1994

LUST REG 2:

Region: 2
Facility Id: 01-0709
Facility Status: Case Closed
Case Number: 01-0709
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 7/27/1988
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:

Status: Case Closed
Record Id: RO0002724
PE: 5502
Facility Status: Case Closed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN GRAIN (Continued)

1000206507

SWEEPS UST:

Status: Not reported
Comp Number: 19778
Number: Not reported
Board Of Equalization: 44-001100
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-019778-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 4

Status: Not reported
Comp Number: 19778
Number: Not reported
Board Of Equalization: 44-001100
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-019778-000002
Tank Status: Not reported
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 19778
Number: Not reported
Board Of Equalization: 44-001100
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-019778-000003
Tank Status: Not reported
Capacity: 5000
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 19778
Number: Not reported
Board Of Equalization: 44-001100
Referral Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN GRAIN (Continued)

1000206507

Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-007-019778-000004
Tank Status: Not reported
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

HIST UST:

File Number: 00035FFA
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00035FFA.pdf>
Region: STATE
Facility ID: 00000019778
Facility Type: Other
Other Type: MACARONI & CHOCOLATE
Contact Name: Not reported
Telephone: 4153578400
Owner Name: GOLDEN GRAIN MACARONI COMPANY
Owner Address: 1111 139TH AVENUE
Owner City,St,Zip: SAN LEANDRO, CA 94578
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00010000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN GRAIN (Continued)

1000206507

Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual

[Click here for Geo Tracker PDF:](#)

CA FID UST:

Facility ID: 01000831
Regulated By: UTKNI
Regulated ID: 00019778
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 1111 139TH AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94578
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-0709

NPDES:

Npdes Number: CAS000001
Facility Status: Active
Agency Id: 0
Region: 2
Regulatory Measure Id: 363981
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 2 011022109
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 04/20/2009
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Ghirardelli Chocolate Company
Discharge Address: 1111 139th Ave
Discharge City: San Leandro
Discharge State: California
Discharge Zip: 94578
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN GRAIN (Continued)

1000206507

PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN GRAIN (Continued)

1000206507

Regulatory Measure Id:	363981
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	2 011022109
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:	4/15/2009
PROCESSED DATE:	4/20/2009
STATUS CODE NAME:	Active
STATUS DATE:	4/20/2009
PLACE SIZE:	539168
PLACE SIZE UNIT:	SqFt
FACILITY CONTACT NAME:	Darrell Thornhill
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	510-346-3132
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	dthornhill@lindt.com
OPERATOR NAME:	Ghirardelli Chocolate Company
OPERATOR ADDRESS:	1111 139th Ave
OPERATOR CITY:	San Leandro
OPERATOR STATE:	California
OPERATOR ZIP:	94578
OPERATOR CONTACT NAME:	Darrell Thornhil
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	510-346-3132
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	dthornhill@ghirardelli.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	510-385-1829
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN GRAIN (Continued)

1000206507

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: Estudillo Canal
CERTIFIER NAME: Darrell Thornhill
CERTIFIER TITLE: Safety Manager
CERTIFICATION DATE: 19-MAY-15
PRIMARY SIC: 2064-Candy and Other Confectionery Products
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

110
ESE
1/4-1/2
0.469 mi.
2474 ft.

MORGAN BROTHERS PATIOS
14305 WASHINGTON
SAN LEANDRO, CA 94577

CA LUST S101580286
CA HIST CORTESE N/A

Relative:
Lower

LUST:
Region: STATE
Global Id: T0600101818
Latitude: 37.705836
Longitude: -122.144451
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 08/05/2004
Lead Agency: SAN LEANDRO, CITY OF
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 01-1968
LOC Case Number: 01-1968
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Actual:
39 ft.

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0600101818
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:
Global Id: T0600101818
Status: Completed - Case Closed
Status Date: 08/05/2004

Global Id: T0600101818
Status: Open - Case Begin Date

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORGAN BROTHERS PATIOS (Continued)

S101580286

Status Date: 02/01/1991
Global Id: T0600101818
Status: Open - Site Assessment
Status Date: 07/01/1993

Regulatory Activities:

Global Id: T0600101818
Action Type: Other
Date: 02/01/1991
Action: Leak Stopped

Global Id: T0600101818
Action Type: Other
Date: 02/01/1991
Action: Leak Discovery

Global Id: T0600101818
Action Type: Other
Date: 03/25/1991
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: 01-1968
Facility Status: Case Closed
Case Number: 01-1968
How Discovered: Tank Closure
Leak Cause: Corrosion
Leak Source: Tank
Date Leak Confirmed: 7/1/1993
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1968

Y111 BEACON STATION #720
WNW 1088 MARINA BLVD
1/4-1/2 SAN LEANDRO, CA 94577
0.470 mi.
2480 ft. Site 3 of 3 in cluster Y

CA LUST S101580175
CA Alameda County CS N/A
CA SWEEPS UST
CA HIST UST
CA FID UST
CA HIST CORTESE

Relative:
Lower

LUST:
Region: STATE
Global Id: T0600101409

Actual:
36 ft.

MAP FINDINGS

BEACON STATION #720 (Continued)

S101580175

Latitude: 37.712612723
Longitude: -122.162013
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/11/2011
Lead Agency: ALAMEDA COUNTY LOP
Case Worker: JTW
Local Agency: ALAMEDA COUNTY LOP
RB Case Number: 01-1526
LOC Case Number: RO0000216
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: The site is currently an operating service station located at the corner of Eleventh Avenue and Marina Boulevard in San Leandro, California. Surrounding land use is mixed commercial and residential. Three USTs containing various grades of gasoline were removed from the site in January 1987. Soil samples collected from beneath the former USTs contained TPHg and benzene at concentrations up to 5,800 and 500 ppm, respectively. Based on these results, soils beneath the former gasoline tanks were overexcavated. The volume of soil that was overexcavated was not reported. Following overexcavation, soil samples were collected from the four corners of the excavation at a depth of 19.5 to 20 feet bgs. The four soil samples contained TPHg at concentrations ranging from 26 to 330 and benzene at concentrations ranging from 1 to 15 ppm. A waste oil tank was also removed from the site in January 1987. No overexcavation appears to have been conducted in the waste oil tank pit. Two soil samples were collected from beneath the waste oil tank for analysis; however, only concentrations as waste oil appear to be the only reported analysis. Waste oil concentrations in the two soil samples were reported to be 195 and 210 ppm. Five soil borings were advanced logged and sampled in March 1987. Each of the five soil borings was converted into monitoring wells (MW-1 through MW-5). Hydrocarbon odors were noted during drilling at depth of nine to 17 feet bgs with the strongest odors observed at the water table. A sheen was observed in monitoring wells MW-2 and MW-3. Laboratory analysis of soil samples from the monitoring wells detected TPH at concentrations ranging from 83 to 2,108 ppm. Dissolved TPHg concentrations in groundwater samples from the monitoring wells ranged from 10,000 ppb to 19,300 ppb. In July 1987, four soil borings were advanced to approximately 14, 5 feet bgs in the area west of the UST basin. Soil samples were collected at depths of 9.5 and 14 feet in each of the soil borings. TPH and benzene were detected in one of the four soil samples collected at depths of 9.5 feet bgs at a concentration of 10 and 0.69 ppm, respectively. TPH and benzene were detected in all four soil samples collected at depths of 14 feet bgs at concentrations ranging from 45 to 170 ppm and 9.8 to 32 ppm, respectively. Three exploratory borings were advanced on August 15, 1991 (B-1 through B-3); four borings were advanced on September 19-20, 1991 (B-4 through B-7); and three borings were advance and converted into monitoring wells on October 10-11, 1991 (MW-6 through MW-8). TPHg was detected in soil at concentrations up to 560 ppm. Benzene was detected in soil at concentrations up to 3.6 ppm. Grab groundwater samples were obtained from there of the six soil borings. TPHg and benzene were detected in the grab groundwater samples at concentrations up to 72,000 and 14,000 ppb, respectively. One additional monitoring well (MW-9) was

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEACON STATION #720 (Continued)

S101580175

installed in December 1994 along with six air sparging points and one vapor extraction well. A groundwater pumping test, soil vapor extraction (SVE) test, and air sparging test were conducted at the site in October 1993. Based on the results, SVE was proposed for soil remediation and air sparging with interim groundwater extraction was proposed for groundwater remediation. In December 1994, six air sparge wells (SP-1 through SP-6) and one SVE well (VW-1) were installed. Operation of the SVE system began in June 1997 and operation of the groundwater extraction and air sparging systems began in July 1997. From June 1997 through May 2006, the SVE system removed approximately 3,084 pounds of hydrocarbons. The system was shut down on May 12, 2006 after analysis of influent samples did not detect petroleum hydrocarbon concentrations for the preceding 10 months. Approximately 228,850 gallons of groundwater was extracted from July 1997 to March 1998. An additional 7,100 gallons of groundwater was extracted from wells MW-1, MW-2 and MW-3 during five separate groundwater extraction events from October 2000 to January 2001. The groundwater extraction system was removed from the site in November 2003. An ozone system was installed and began operation in December 2005. The ozone system consisted of two 0.5-pound-per hour ozone generators connected in parallel that continuously sparged ozone in groundwater monitoring wells MW-1 and MW-4. Ozone sparging was initiated in MW-5 in March 2005. Operation of the ozone system stopped at the same time as operation of the SVE system stopped on May 12, 2006. Groundwater monitoring was conducted at the site from March 1992 until January 2008. The highest concentrations of dissolved fuel hydrocarbons have generally been observed in well MW-2, which is located adjacent to the former USTs. TPHg concentrations in groundwater samples from MW-2 have decreased from 130,000 ppb in July 1991 to 8,100 ppb in January 2008. Benzene concentrations in groundwater samples from MW-2 have decreased from 3,500 ppb in July 1991 to 5.4 ppb in January 2008.

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0600101409
Contact Type: Local Agency Caseworker
Contact Name: Jerry Wickham
Organization Name: ALAMEDA COUNTY LOP
Address: 1131 Harbor Bay Parkway
City: Alameda
Email: jerry.wickham@acgov.org
Phone Number: 5105676791

Global Id: T0600101409
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600101409
Status: Completed - Case Closed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEACON STATION #720 (Continued)

S101580175

Status Date: 01/11/2011

Global Id: T0600101409
Status: Open - Case Begin Date
Status Date: 01/23/1987

Global Id: T0600101409
Status: Open - Remediation
Status Date: 12/01/2005

Global Id: T0600101409
Status: Open - Site Assessment
Status Date: 01/23/1987

Global Id: T0600101409
Status: Open - Site Assessment
Status Date: 03/30/1987

Regulatory Activities:

Global Id: T0600101409
Action Type: ENFORCEMENT
Date: 08/13/2009
Action: Notification - Fee Title Owners Notice - #20090813

Global Id: T0600101409
Action Type: ENFORCEMENT
Date: 10/06/2009
Action: Staff Letter - #20091006

Global Id: T0600101409
Action Type: RESPONSE
Date: 06/24/2010
Action: Well Destruction Report

Global Id: T0600101409
Action Type: ENFORCEMENT
Date: 03/24/2010
Action: Staff Letter - #20100324

Global Id: T0600101409
Action Type: ENFORCEMENT
Date: 08/01/2008
Action: Technical Correspondence / Assistance / Other - #08/01/2008

Global Id: T0600101409
Action Type: REMEDIATION
Date: 06/01/1997
Action: Soil Vapor Extraction (SVE)

Global Id: T0600101409
Action Type: ENFORCEMENT
Date: 01/11/2011
Action: Closure/No Further Action Letter - #20110111

Global Id: T0600101409
Action Type: Other
Date: 01/23/1987

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEACON STATION #720 (Continued)

S101580175

Action: Leak Stopped

Global Id: T0600101409
Action Type: REMEDIATION
Date: 07/01/1997
Action: Pump & Treat (P&T) Groundwater

Global Id: T0600101409
Action Type: REMEDIATION
Date: 03/01/2005
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0600101409
Action Type: ENFORCEMENT
Date: 07/24/2009
Action: Staff Letter - #20090724

Global Id: T0600101409
Action Type: Other
Date: 01/23/1987
Action: Leak Discovery

Global Id: T0600101409
Action Type: Other
Date: 01/23/1987
Action: Leak Reported

Global Id: T0600101409
Action Type: ENFORCEMENT
Date: 08/13/2009
Action: Notification - Public Notice of Case Closure - #20090813

Global Id: T0600101409
Action Type: ENFORCEMENT
Date: 08/01/2008
Action: File Review - Closure

LUST REG 2:

Region: 2
Facility Id: 01-1526
Facility Status: Remedial action (cleanup) Underway
Case Number: 4552
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 8/29/1990
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 4/16/1987
Pollution Characterization Began: 12/31/1992
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: 1/2/1965
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEACON STATION #720 (Continued)

S101580175

Status: Leak Confirmation
Record Id: RO0000216
PE: 5602
Facility Status: Leak Confirmation

Status: Pollution Characterization
Record Id: RO0000216
PE: 5602
Facility Status: Pollution Charaterization

Status: Case Closed
Record Id: RO0000216
PE: 5602
Facility Status: Case Closed

SWEEPS UST:

Status: Active
Comp Number: 11108
Number: 1
Board Of Equalization: 44-000202
Referral Date: 05-03-91
Action Date: 05-03-91
Created Date: 02-29-88
Owner Tank Id: 720-3-REGULAR
SWRCB Tank Id: 01-007-011108-000001
Tank Status: A
Capacity: 10000
Active Date: 05-03-91
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 3

Status: Active
Comp Number: 11108
Number: 1
Board Of Equalization: 44-000202
Referral Date: 05-03-91
Action Date: 05-03-91
Created Date: 02-29-88
Owner Tank Id: 720-3-UNLEADED
SWRCB Tank Id: 01-007-011108-000002
Tank Status: A
Capacity: 10000
Active Date: 05-03-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 11108
Number: 1
Board Of Equalization: 44-000202
Referral Date: 05-03-91
Action Date: 05-03-91
Created Date: 02-29-88

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEACON STATION #720 (Continued)

S101580175

Owner Tank Id: 720-1-PREMIUM
SWRCB Tank Id: 01-007-011108-000003
Tank Status: A
Capacity: 10000
Active Date: 05-03-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:

File Number: 000360AA
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000360AA.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: 01001640
Regulated By: UTNKA
Regulated ID: 00011108
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 525 W THIRD ST
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN LEANDRO 94577
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST CORTESE:

Region: CORTESE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEACON STATION #720 (Continued)

S101580175

Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1526

112
North
1/4-1/2
0.474 mi.
2505 ft.

SAFeway PRESERVES PLANT
111 MARINA
SAN LEANDRO, CA 92584

CA Notify 65 **U000056588**
N/A

Relative:
Higher

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

Actual:
49 ft.

AA113
ENE
1/4-1/2
0.475 mi.
2507 ft.

CENTURY PLATING COMPANY INC
1124 139TH AVE
SAN LEANDRO, CA 94578

SEMS-ARCHIVE **1003879619**
LIENS 2 **CAD983608639**
PRP

Site 3 of 4 in cluster AA

Relative:
Higher

SEMS-ARCHIVE:
Site ID: 904216
EPA ID: CAD983608639
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

Actual:
48 ft.

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0904216
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13289823.00000
Person ID: 13003854.00000

Contact Sequence ID: 13295418.00000
Person ID: 13003858.00000

Contact Sequence ID: 13301276.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Action: NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH
Date Started: 10/17/91
Date Completed: 03/01/92
Priority Level: Search Complete, No Viable PRPs

Action: COST RECOVERY NEGOTIATIONS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTURY PLATING COMPANY INC (Continued)

1003879619

Date Started: 04/05/93
Date Completed: 09/01/94
Priority Level: Not reported

Action: ADMINISTRATIVE RECORDS
Date Started: 12/20/91
Date Completed: 12/20/91
Priority Level: Admin Record Compiled for a Removal Event

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 01/23/96
Priority Level: Not reported

Action: ISSUE REQUEST LETTERS (104E)
Date Started: / /
Date Completed: 01/24/92
Priority Level: Not reported

Action: ISSUE REQUEST LETTERS (104E)
Date Started: / /
Date Completed: 03/24/92
Priority Level: Not reported

Action: Notice Letters Issued
Date Started: / /
Date Completed: 10/25/91
Priority Level: Not reported

Action: UNILATERAL ADMIN ORDER
Date Started: / /
Date Completed: 10/25/91
Priority Level: Not reported

Action: REMOVAL
Date Started: 11/04/91
Date Completed: 09/30/93
Priority Level: Cleaned up

Action: REMOVAL COMMUNITY RELATIONS
Date Started: 11/04/91
Date Completed: / /
Priority Level: Not reported

LIENS 2:

Facility name: CENTURY PLATING COMPANY INC
Facility address: 1124 139TH AVE
SAN LEANDRO, CA 94578
EPA ID: CAD983608639
Effective date: Not reported
Lien: LP001
Party name: Not reported
Reg: 09
Release date: Not reported
Start date: 11/04/1992
Complete date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTURY PLATING COMPANY INC (Continued)

1003879619

PRP:
PRP name: CENTURY PLATING CO
CENTURY PLATING COMPNAY,INC.
EDGAR R. CONDER
WAYNE W. MCMAHON

AA114
ENE
1/4-1/2
0.475 mi.
2507 ft.

CENTURY PLATING COMPANY INC
1124 139TH AVENUE
SAN LEANDRO, CA 94578
Site 4 of 4 in cluster AA

CA RESPONSE
CA ENVIROSTOR
CA HIST Cal-Sites
CA LIENS
CA HIST CORTESE

1000483604
N/A

Relative:
Higher

Actual:
48 ft.

RESPONSE:
Facility ID: 1340040
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 0.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP, US EPA
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Jayantha Randeni
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Site Code: 200650
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 18
Senate: 09
Special Program Status: Not reported
Status: Certified
Status Date: 06/13/1997
Restricted Use: NO
Funding: Orphan Funds
Latitude: 37.71065
Longitude: -122.1430
APN: 77D-1437-14-3, 77D-1437-15-1
Past Use: METAL PLATING - CHROME, METAL PLATING - OTHER
Potential COC : Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description: OTH, SOIL
Alias Name: Not reported
Alias Type: Not reported

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTURY PLATING COMPANY INC (Continued)

1000483604

ENVIROSTOR:

Facility ID: 1340040
Status: Certified
Status Date: 06/13/1997
Site Code: 200650
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 0.5
NPL: NO
Regulatory Agencies: SMBRP, US EPA
Lead Agency: SMBRP
Program Manager: Jayantha Randeni
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Assembly: 18
Senate: 09
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Orphan Funds
Latitude: 37.71065
Longitude: -122.1430
APN: 77D-1437-14-3, 77D-1437-15-1
Past Use: METAL PLATING - CHROME, METAL PLATING - OTHER
Potential COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description: OTH, SOIL
Alias Name: Not reported
Alias Type: Not reported

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

Calsite:

Region: BERKELEY
Facility ID: 01340040
Facility Type: STATE
Type: STATE FUNDED SITE
Branch: NC
Branch Name: NORTH COAST
File Name: Not reported
State Senate District: 06131997
Status: CERTIFIED AS HAVING BEEN REMEDIED SATISFACTORILY UNDER DTSC OVERSIGHT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTURY PLATING COMPANY INC (Continued)

1000483604

Status Name: CERTIFIED
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not Listed
SIC Code: 34
SIC Name: MANU - FABRICATED METAL PRODUCTS
Access: Controlled
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
Staff Member Responsible for Site: JSOTO
Supervisor Responsible for Site: Not reported
Region Water Control Board: SF
Region Water Control Board Name: SAN FRANCISCO BAY
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: Not reported
State Assembly District Code: 18
State Senate District Code: 10
Facility ID: 01340040
Activity: PPP
Activity Name: PUBLIC PARTICIPATION PLAN
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 11301986
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01340040
Activity: FRIFS
Activity Name: FOCUSED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
AWP Code: WELLS
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 08301991
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTURY PLATING COMPANY INC (Continued)

1000483604

Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	01340040
Activity:	FRIFS
Activity Name:	FOCUSED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
AWP Code:	GWOFF
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06041992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	01340040
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	09301992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTURY PLATING COMPANY INC (Continued)

1000483604

For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01340040
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: ISEO
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 12291992
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01340040
Activity: PPP
Activity Name: PUBLIC PARTICIPATION PLAN
AWP Code: UPDTE
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 02281995
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01340040
Activity: RAW
Activity Name: REMOVAL ACTION WORKPLAN
AWP Code: SOIL
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTURY PLATING COMPANY INC (Continued)

1000483604

Comments Date: 02151996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01340040
Activity: RA
Activity Name: REMOVAL ACTION
AWP Code: SOIL
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 12271996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 80
Liquids Treated (Gals): 0
Action Included Capping: X
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: N
Activity Comments: 80 CUBIC YARDS WAS EXCAVATED AND DISPOSED. 3 SOIL VAPOR
EXTRACTIONWELLS WERE INSTALLED.
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01340040
Activity: CEQA
Activity Name: CEQA INCLUDING NEGATIVE DECS
AWP Code: NEGD
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 02151996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTURY PLATING COMPANY INC (Continued)

1000483604

Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01340040
Activity: DES
Activity Name: DESIGN
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 06241996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 01340040
Activity: CERT
Activity Name: CERTIFICATION
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 06131997
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTURY PLATING COMPANY INC (Continued)

1000483604

Alternate Address: 1124 139TH AVENUE
Alternate City,St,Zip: SAN LEANDRO, CA 94578
Background Info: plating shop at this location for approximately 8 years. At that time, Century was shut down by local authorities for noncompliance with fire and building codes and for unpermitted discharges to the sanitary sewer. Subsequently, U.S. EPA removed drums of chemicals, contaminated equipment, and debris from the building and adjoining yard. Six inches of surface soil, contaminated primarily with metals, was removed from the yard and a private well was closed. Soil under the building was contaminated with solvents and metals and was believed to be the source of groundwater contamination in the area. Groundwater samples had detected perchloroethene and trichlorethene above the drinking water standards. The plume migrating from this Site is part of the commingled plume which has been named DWA Plume. The groundwater investigation of this site will be carried out as part of the investigation of the San Leandro Plume. Please also review that profile report for further information. Century Plating Company, Inc. operated a plating and machine shop at 1124 139th Avenue from about 1973 until October 1991. Prior to Century Plating, Inc., Paddy O'Chrome operated a

Comments Date: 02151996
Comments: RAW - SOIL - Removal Action Workplan approved which requires the
Comments Date: 02151996
Comments: removal of several soil hotspots in the building by excavation,
Comments Date: 02151996
Comments: and installation of a vapor barrier floor. In the Yard area,
Comments Date: 02151996
Comments: 3-5 Soil Vapor Extraction wells will be installed to lower
Comments Date: 02151996
Comments: concentrations of VOCs at depth in the soils. The yard will
Comments Date: 02151996
Comments: also be paved as part of the removal action. The extraction
Comments Date: 02151996
Comments: system is expected to operated for approximately 6 months. CEQA
Comments Date: 02151996
Comments: - NEGD - Negative Declaration approved.
Comments Date: 06131997
Comments: CERT - The site was certified as requiring no further remedial
Comments Date: 06131997
Comments: action. SVE system was removed from site and extractions wells
Comments Date: 06131997
Comments: have been closed.
Comments Date: 06241996
Comments: DES - Approved design for excavation, vapor venting system and
Comments Date: 06241996
Comments: paving of the yard area of the site. Additional work will
Comments Date: 06241996
Comments: include installation of three soil vapor extraction wells and a
Comments Date: 06241996
Comments: carbon system for treatment of the soil vapor prior to release
Comments Date: 06241996
Comments: to the atmosphere.
Comments Date: 09161998
Comments: LIEN - Recorded a lien for \$461,969.72 on the two parcels of
Comments Date: 09161998
Comments: this site, APN 77D-1437-15-1 and 77D-1437-14-3.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTURY PLATING COMPANY INC (Continued)

1000483604

Comments Date: 09301992
Comments: RA - Drums and bins, containing various chemicals and spent
Comments Date: 09301992
Comments: solutions, and assorted debris were removed from the Century
Comments Date: 09301992
Comments: Plating shop building and from the yard.
Comments Date: 10251991
Comments: Administrative Order issued by US EPA to RP to undertake and
Comments Date: 10251991
Comments: complete removal activities.
Comments Date: 12271996
Comments: RA - SOIL - Completed removal action. Three soil vapor
Comments Date: 12271996
Comments: extraction wells were installed, the yard has been paved, 80
Comments Date: 12271996
Comments: cubic yards of contaminated soil were excavated and disposed,
Comments Date: 12271996
Comments: and a new floor slab was installed in the building.
Comments Date: 12291992
Comments: ORDER - ISEO - Imminent and Substantial Endangerment Order
Comments Date: 12291992
Comments: issued requiring further remedial investigation and removal of
Comments Date: 12291992
Comments: contaminated soil.
ID Name: CALSTARS CODE
ID Value: 200650
Alternate Name: CENTURY PLATING COMPANY INCPADDY O'CHROME
Special Programs Code: Not reported
Special Programs Name: Not reported

LIENS:

Envirostor Id: 1340040
Latitude: 37.710654
Longitude: -122.14309
Project Mgr: JAYANTHA RANDENI
Project Code: 200650
If Satisfied: NO
Date Satisfied: Not reported
Site Status: CERTIFIED
Site Type: STATE RESPONSE OR NPL
Completed: 09/16/1998
Lien Amount: \$461,969.72
Amount Remaining: Not reported
Description: Century Plating Company, Inc. operated a plating and machine shop at 1124 139th Avenue from about 1973 until October 1991. Prior to Century Plating, Inc., Paddy O'Chrome operated a plating shop at this location for approximately 8 years. At that time, Century was shut down by local authorities for noncompliance with fire and building codes and for unpermitted discharges to the sanitary sewer. The Site is located within a regional groundwater contamination located in the central area of the City of San Leandro. (See DWA Plume, Envirostor Ref. 01990002)

HIST CORTESE:

Region: CORTESE
Facility County Code: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTURY PLATING COMPANY INC (Continued)

1000483604

Reg By: CALSI
Reg Id: 01340040

**AB115
NW
1/4-1/2
0.475 mi.
2509 ft.**

**NORTHWEST MOTOR WELDING
2100 ORCHARD AVE
SAN LEANDRO, CA 94577**

**RCRA-SQG
CA LUST
FINDS
ECHO**

**1000411045
CAD981571235**

Site 1 of 3 in cluster AB

**Relative:
Lower**

RCRA-SQG:

**Actual:
39 ft.**

Date form received by agency: 09/01/1996
Facility name: NORTHWEST MOTOR WELDING
Facility address: 2100 ORCHARD AVE
SAN LEANDRO, CA 94577
EPA ID: CAD981571235
Mailing address: ORCHARD AVE
SAN LEANDRO, CA 94577
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: CUMMINS ENGINE CO
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTHWEST MOTOR WELDING (Continued)

1000411045

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
Used 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 REG 2:

Region: 2
Facility Id: 01-1061
Facility Status: Case Closed
Case Number: 2521
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 6/21/1991
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: 10/17/1991
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

FINDS:

Registry ID: 110002717953

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1000411045
Registry ID: 110002717953
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002717953

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AB116 **NORTHWEST MOTOR WELDING**
NW **2100 ORCHARD**
1/4-1/2 **SAN LEANDRO, CA 94577**
0.475 mi.
2509 ft. **Site 2 of 3 in cluster AB**

CA LUST **S100860407**
CA Alameda County CS **N/A**
CA HIST CORTESE

Relative:
Lower

LUST:

Actual:
39 ft.

Region: STATE
Global Id: T0600100978
Latitude: 37.713873
Longitude: -122.16014
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 10/22/1995
Lead Agency: ALAMEDA COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: NA
LOC Case Number: RO0000661
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0600100978
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600100978
Status: Completed - Case Closed
Status Date: 10/22/1995

Global Id: T0600100978
Status: Open - Case Begin Date
Status Date: 05/09/1991

Regulatory Activities:

Global Id: T0600100978
Action Type: REMEDIATION
Date: 09/05/1991
Action: Not reported

Global Id: T0600100978
Action Type: Other
Date: 05/09/1991
Action: Leak Reported

Alameda County CS:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTHWEST MOTOR WELDING (Continued)

S100860407

Status: Case Closed
Record Id: RO0000661
PE: 5602
Facility Status: Case Closed

HIST CORTESE:

Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1061

**AB117
NW
1/4-1/2
0.475 mi.
2509 ft.**

**FORMER NORTHWEST MOTOR WELDING SITE
2100 ORCHARD AVENUE
SAN LEANDRO, CA 94577
Site 3 of 3 in cluster AB**

**CA SLIC S118504704
N/A**

**Relative:
Lower**

SLIC:

Region: STATE
Facility Status: Open - Inactive
Status Date: 12/15/2015
Global Id: T10000008155
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number: Not reported
Latitude: 37.71387
Longitude: -122.16023
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 01NBT0394
File Location: Regional Board
Potential Media Affected: Soil
Potential Contaminants of Concern: Lead, Total Petroleum Hydrocarbons (TPH)
Site History: Not reported

**Actual:
39 ft.**

[Click here to access the California GeoTracker records for this facility:](#)

**AC118
SW
1/2-1
0.537 mi.
2835 ft.**

**SIMMONS - SOILS
1465 FACTOR AVENUE/1700 FAIRWAY DRIVE
SAN LEANDRO, CA 94577
Site 1 of 2 in cluster AC**

**CA RESPONSE S102008255
CA ENVIROSTOR N/A**

**Relative:
Lower**

RESPONSE:

Facility ID: 1730011
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 17
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Jayantha Randeni
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Site Code: 201080
Site Mgmt. Req.: NONE SPECIFIED

**Actual:
21 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SIMMONS - SOILS (Continued)

S102008255

Assembly: 18
Senate: 09
Special Program Status: Not reported
Status: No Further Action
Status Date: 10/06/2003
Restricted Use: NO
Funding: Responsible Party
Latitude: 37.70308
Longitude: -122.1596
APN: 77B-855-7-7, 77B-855-8-2
Past Use: TRANSPORTATION - WAREHOUSING
Potential COC : Methyl tertbutyl ether (MTBE Tetrachloroethylene (PCE
1,1,1-Trichloroethane (TCA Trichloroethylene (TCE 1,1-Dichloroethane
1,1-Dichloroethylene 1,2-Dichloroethylene (cis
Confirmed COC: Methyl tertbutyl ether (MTBE Tetrachloroethylene (PCE
1,1,1-Trichloroethane (TCA Trichloroethylene (TCE 1,1-Dichloroethane
1,1-Dichloroethylene 1,2-Dichloroethylene (cis
Potential Description: OTH
Alias Name: Not reported
Alias Type: Not reported
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

ENVIROSTOR:

Facility ID: 1730011
Status: No Further Action
Status Date: 10/06/2003
Site Code: 201080
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 17
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Jayantha Randeni
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Assembly: 18
Senate: 09
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SIMMONS - SOILS (Continued)

S102008255

Funding: Responsible Party
 Latitude: 37.70308
 Longitude: -122.1596
 APN: 77B-855-7-7, 77B-855-8-2
 Past Use: TRANSPORTATION - WAREHOUSING
 Potential COC: Methyl tertbutyl ether (MTBE Tetrachloroethylene (PCE
 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE 1,1-Dichloroethane
 1,1-Dichloroethylene 1,2-Dichloroethylene (cis
 Confirmed COC: Methyl tertbutyl ether (MTBE Tetrachloroethylene (PCE
 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE 1,1-Dichloroethane
 1,1-Dichloroethylene 1,2-Dichloroethylene (cis
 Potential Description: OTH
 Alias Name: Not reported
 Alias Type: Not reported
 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

AC119
SW
1/2-1
0.537 mi.
2835 ft.

FACTOR AVENUE PLUME (NO.1465), SAN LEANDRO
1465 FACTOR AVENUE
SAN LEANDRO, CA 94577
Site 2 of 2 in cluster AC

CA BOND EXP. PLAN S105960431
N/A

Relative:
Lower

CA BOND EXP. PLAN:
 Reponsible Party: DETAILED SITE EXPENDITURE PLAN
 Project Revenue Source Company: Not reported
 Project Revenue Source Addr: Not reported
 Project Revenue Source City,St,Zip: Not reported
 Project Revenue Source Desc:

Actual:
21 ft.

Bond funds will be used to investigate and possibly remediate the site. DHS has elected to continue the hazardous waste investigation, in the vicinity of 1465 Factor Avenue, San Leandro, even though multiple PRPs may be present. Following the collection of definitive information concerning responsibility, DHS will pursue enforcement actions, recover its costs, and require the responsible parties to implement the RAP. This site has not been identified as an NPL site, nor does it appear to be a likely NPL candidate in the future. Therefore, it appears unlikely that federal funds are a viable source of revenue for this site.
 Site Description: The Factor Avenue site is a contaminated shallow aquifer.
 Hazardous Waste Desc: Chemicals found on the site include: cyanide at 120 parts per billion (ppb); 1-1-Dichloroethylene (DCE) at 524 ppb; and 1,1-and 1,2-Dichloroethane (DCA) at 7.4 and 4.8 ppb, respectively; trans 1-2-dichloroethylene at 2110 ppb; 1,1-trichloroethane at 321 ppb; trichloroethylene (TCE) at 2215 ppb; tetrachloroethylene (PCE) at 263 ppb; benzene at 7.19 ppb; and toluene at 2.0

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FACTOR AVENUE PLUME (NO.1465), SAN LEANDRO (Continued)

S105960431

Threat To Public Health & Env: ppb.
 Ground water is a pathway for contaminant migration. Numerous private wells present possible route of exposure to humans. Residents of San Leandro who have shallow wells on their property are potential receptors for exposure to contaminants in ground water. The residents of record owning wells have been advised of possible exposures, in the event affected wells are used for drinking water.

Site Activity Status: The site is currently undergoing Phase II remedial investigation. Monitoring wells and stratigraphic borings will be installed. Following the Phase II work, DHS will prepare an initial endangerment assessment. East Bay MUD (EBMUD) has required the installation of back flow devices on all residences situated on parcels with water wells, whether or not the water is used for drinking.

AD120
WSW
 1/2-1
 0.588 mi.
 3105 ft.

DANA CORPORATION
2799 MILLER STREET
SAN LEANDRO, CA 94577

CA HIST Cal-Sites S101641808
N/A

Site 1 of 2 in cluster AD

Relative:
Lower

Calsite:
 Region: BERKELEY
 Facility ID: 01750029
 Facility Type: RP
 Type: RESPONSIBLE PARTY
 Branch: NC
 Branch Name: NORTH COAST
 File Name: Not reported
 State Senate District: 12151997
 Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE
 Status Name: ANNUAL WORKPLAN - ACTIVE SITE
 Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
 NPL: Not Listed
 SIC Code: 75
 SIC Name: AUTO REPAIR, SERVICES & PARKING
 Access: Controlled
 Cortese: Not reported
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Confirmed
 Staff Member Responsible for Site: JRANDENI
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: SF
 Region Water Control Board Name: SAN FRANCISCO BAY
 Lat/Long Direction: Not reported
 Lat/Long (dms): 0 0 0 / 0 0 0
 Lat/long Method: Not reported
 Lat/Long Description: Not reported
 State Assembly District Code: 18
 State Senate District Code: 10
 Facility ID: 01750029
 Activity: ORDER
 Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
 AWP Code: IS&E
 Proposed Budget: 0
 AWP Completion Date: Not reported
 Revised Due Date: Not reported
 Comments Date: 12111997
 Est Person-Yrs to complete: 0

Actual:
 21 ft.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DANA CORPORATION (Continued)

S101641808

Estimated Size: Not reported
 Request to Delete Activity: Not reported
 Activity Status: AWP
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
 Liquids Removed (Gals): 0
 Liquids Treated (Gals): 0
 Action Included Capping: Not reported
 Well Decommissioned: Not reported
 Action Included Fencing: Not reported
 Removal Action Certification: Not reported
 Activity Comments: Not reported
 For Commercial Reuse: 0
 For Industrial Reuse: 0
 For Residential Reuse: 0
 Unknown Type: 0
 Alternate Address: 2799 MILLER STREET
 Alternate City,St,Zip: SAN LEANDRO, CA 94577
 Background Info: The Site is located on approximately 0.7-acre parcel of land and consists of a one-story building. In or about 1963, the Site was developed for Dana Corporation to assemble and repair heavy-duty truck transmissions. Degreasing agents such as carbon tetrachloride, trichloroethene and 1, 1, 1-trichloroethane were used. From 1987 to 1994, Westates Mechanical Contractors, Inc. (Westates) occupied the Site. Westates used trichloroethane. A 1998 site investigation found low concentrations of tetrachloroethylene, toluene and xylene were detected in the site soil. Dichloroethane, dichloroethylene, trichloroethylene, and tetrachloroethylene were found above the drinking water standard. The Site is located within a regional groundwater contamination problem located in the central area of the City of San Leandro.
 Comments Date: 12111997
 Comments: Order issued to Dana Corporation and Carol Petersen (property
 Comments Date: 12111997
 Comments: owner).
 ID Name: CALSTARS CODE
 ID Value: 201018
 Alternate Name: DANA CORPORATION
 Special Programs Code: Not reported
 Special Programs Name: Not reported

121
 WNW
 1/2-1
 0.594 mi.
 3138 ft.

GM TRAINING CENTER
1444 MARINA
SAN LEANDRO, CA 92584

CA LUST **S100227013**
CA Alameda County CS **N/A**
CA Notify 65

Relative:
Lower

Actual:
32 ft.

LUST:
 Region: STATE
 Global Id: T0600191686
 Latitude: 37.711311
 Longitude: -122.162749
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 04/30/1996
 Lead Agency: ALAMEDA COUNTY LOP
 Case Worker: Not reported
 Local Agency: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM TRAINING CENTER (Continued)

S100227013

RB Case Number: 01-0705
LOC Case Number: RO0000943
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0600191686
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0600191686
Status: Completed - Case Closed
Status Date: 04/30/1996

Global Id: T0600191686
Status: Open - Case Begin Date
Status Date: 10/25/1989

Regulatory Activities:

Global Id: T0600191686
Action Type: REMEDIATION
Date: 09/09/9999
Action: Not reported

Global Id: T0600191686
Action Type: Other
Date: 10/25/1989
Action: Leak Reported

Alameda County CS:

Status: Case Closed
Record Id: RO0000943
PE: 5602
Facility Status: Case Closed

NOTIFY 65:

Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AD122
WSW
1/2-1
0.612 mi.
3232 ft.

CORRPRO COMPANIES INC
2799 MILLER ST
SAN LEANDRO, CA 94577

CA RESPONSE
CA ENVIROSTOR
CA HAZNET

S113126114
N/A

Site 2 of 2 in cluster AD

Relative:
Lower

RESPONSE:

Actual:
21 ft.

Facility ID: 1750029
 Site Type: State Response
 Site Type Detail: State Response or NPL
 Acres: 0.7
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP
 Lead Agency Description: DTSC - Site Cleanup Program
 Project Manager: Jayantha Randeni
 Supervisor: Karen Toth
 Division Branch: Cleanup Berkeley
 Site Code: 201018
 Site Mgmt. Req.: NONE SPECIFIED
 Assembly: 18
 Senate: 09
 Special Program Status: Not reported
 Status: No Further Action
 Status Date: 06/16/2006
 Restricted Use: NO
 Funding: Responsible Party
 Latitude: 37.70433
 Longitude: -122.1638
 APN: 77B-855-3
 Past Use: VEHICLE MAINTENANCE
 Potential COC : Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA
 Trichloroethylene (TCE 1,1-Dichloroethylene
 Confirmed COC: Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA
 Trichloroethylene (TCE 1,1-Dichloroethylene
 Potential Description: OTH
 Alias Name: Not reported
 Alias Type: Not reported

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

ENVIROSTOR:

Facility ID: 1750029
 Status: No Further Action
 Status Date: 06/16/2006

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORRPRO COMPANIES INC (Continued)

S113126114

Site Code: 201018
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 0.7
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Jayantha Randeni
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Assembly: 18
Senate: 09
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 37.70433
Longitude: -122.1638
APN: 77B-855-3
Past Use: VEHICLE MAINTENANCE
Potential COC: Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA
Trichloroethylene (TCE 1,1-Dichloroethylene
Confirmed COC: Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA
Trichloroethylene (TCE 1,1-Dichloroethylene
Potential Description: OTH
Alias Name: Not reported
Alias Type: Not reported

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

HAZNET:

envid: S113126114
Year: 2009
GEPaid: CAL000269468
Contact: RICK WILLIAMS/CONSTRUC MGR/EX:260
Telephone: 5106148800
Mailing Name: Not reported
Mailing Address: 2799 MILLER ST
Mailing City,St,Zip: SAN LEANDRO, CA 94577
Gen County: Not reported
TSD EPA ID: CAD980675276
TSD County: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORRPRO COMPANIES INC (Continued)

S113126114

Waste Category: Other organic solids
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 30.3408
Cat Decode: Other organic solids
Method Decode: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County: Alameda

123
NW
1/2-1
0.620 mi.
3274 ft.

**J P METAL FINISHING
1870 ALVARADO STREET
SAN LEANDRO, CA 94577**

**CA ENVIROSTOR S107736502
N/A**

**Relative:
Higher**

ENVIROSTOR:

**Actual:
52 ft.**

Facility ID: 70000092
Status: No Further Action
Status Date: 03/14/2007
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 2
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Jayantha Randeni
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Assembly: 18
Senate: 09
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 37.71705
Longitude: -122.1595
APN: 075-0045-014-00
Past Use: METAL FINISHING
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: 31000-NO
Potential Description: NMA
Alias Name: 075-0045-014-00
Alias Type: APN
Alias Name: 70000092
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: 03/14/2007
Comments: Two surface soil samples were analyzed for metals and semi volatile organic compounds (SVOCs). Based on the analytical results and current site activities, no further action is required.

Future Area Name: Not reported
Future Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J P METAL FINISHING (Continued)

S107736502

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

124
ENE
1/2-1
0.670 mi.
3539 ft.

FORD STAGING SITE (9TH GRADE ACADEMY)
13900 14TH STREET
SAN LEANDRO, CA 94578

CA ENVIROSTOR S108195942
CA SCH N/A

Relative:
Higher

ENVIROSTOR:

Actual:
48 ft.

Facility ID: 60000465
Status: No Further Action
Status Date: 11/02/2007
Site Code: 204190
Site Type: School Investigation
Site Type Detailed: School
Acres: 2.68
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Northern California Schools & Santa Susana
Assembly: 18
Senate: 09
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 37.71488
Longitude: -122.1407
APN: 77E-1540-3
Past Use: RESIDENTIAL AREA, RETAIL - VEHICLES
Potential COC: Chlordane Lead Naturally Occurring Asbestos (NOA TPH-gas TPH-MOTOR OIL
Confirmed COC: 30004-NO 30013-NO No Contaminants found 30025-NO 3002502-NO 40002-NO
Potential Description: SOIL
Alias Name: 77E-1540-3
Alias Type: APN
Alias Name: 204190
Alias Type: Project Code (Site Code)
Alias Name: 60000465
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: 12/28/2007
Comments: DTSC issued a CRU Memo to Accounting to close-out the project files.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORD STAGING SITE (9TH GRADE ACADEMY) (Continued)

S108195942

Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 05/17/2007
Comments: PEA Sampling field oversight conducted by DTSC Project Manager

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 05/02/2007
Comments: DTSC reviewed the PEA Workplan and issued comments. DTSC received the revised PEA Workplan and comments the same day and DTSC comemnts were sufficiently addressed. DTSC approved the PEA Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/02/2007
Comments: DTSC approved the PEA with a No Further Action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 11/03/2006
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: 60000465
Site Type: School Investigation
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: Not reported
Supervisor: Mark Malinowski
Division Branch: Northern California Schools & Santa Susana
Site Code: 204190
Assembly: 18
Senate: 09
Special Program Status: Not reported
Status: No Further Action
Status Date: 11/02/2007
Restricted Use: NO
Funding: School District
Latitude: 37.71488

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORD STAGING SITE (9TH GRADE ACADEMY) (Continued)

S108195942

Longitude: -122.1407
APN: 77E-1540-3
Past Use: RESIDENTIAL AREA, RETAIL - VEHICLES
Potential COC: Chlordane, Chlordane, Lead, Naturally Occurring Asbestos (NOA, TPH-gas, TPH-MOTOR OIL
Confirmed COC: 30004-NO, 30013-NO, No Contaminants found, 30025-NO, 3002502-NO, 40002-NO
Potential Description: SOIL
Alias Name: 77E-1540-3
Alias Type: APN
Alias Name: 204190
Alias Type: Project Code (Site Code)
Alias Name: 60000465
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: 12/28/2007
Comments: DTSC issued a CRU Memo to Accounting to close-out the project files.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 05/17/2007
Comments: PEA Sampling field oversight conducted by DTSC Project Manager

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 05/02/2007
Comments: DTSC reviewed the PEA Workplan and issued comments. DTSC received the revised PEA Workplan and comments the same day and DTSC comemnts were sufficiently addressed. DTSC approved the PEA Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/02/2007
Comments: DTSC approved the PEA with a No Further Action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 11/03/2006
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

125
NNW
1/2-1
0.778 mi.
4106 ft.

LIQUID GOLD OIL CORP
1696 MARTINEZ ST
SAN LEANDRO, CA 94577

SEMS-ARCHIVE
CORRACTS
CA ENVIROSTOR
CA Alameda County CS
RCRA NonGen / NLR
CA HWP

1000425117
CAT080013923

Relative:
Higher

SEMS-ARCHIVE:

Site ID: 902690
EPA ID: CAT080013923
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Actual:
50 ft.

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0902690
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13287591.00000
Person ID: 13003854.00000

Contact Sequence ID: 13293186.00000
Person ID: 13003858.00000

Contact Sequence ID: 13299044.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Action: PRELIMINARY ASSESSMENT
Date Started: 10/01/84
Date Completed: 01/01/86
Priority Level: Low priority for further assessment

Action: DISCOVERY
Date Started: / /
Date Completed: 10/01/79
Priority Level: Not reported

Action: SITE INSPECTION
Date Started: / /
Date Completed: 09/01/85
Priority Level: Higher priority for further assessment

Action: SITE INSPECTION
Date Started: / /
Date Completed: 09/06/90
Priority Level: Higher priority for further assessment

Action: SITE INSPECTION
Date Started: / /
Date Completed: 01/28/91
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE
Date Started: / /

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LIQUID GOLD OIL CORP (Continued)

1000425117

Date Completed: 01/28/91
Priority Level: Not reported

CORRACTS:

EPA ID: CAT080013923
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19860101
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

ENVIROSTOR:

Facility ID: 1290023
Status: Inactive - Needs Evaluation
Status Date: 04/04/2011
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0.25
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Assembly: 18
Senate: 09
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 37.71919
Longitude: -122.1594
APN: 75-41-2-1
Past Use: NONE SPECIFIED
Potential COC: * CONTAMINATED SOIL * WASTE OIL & MIXED OIL Lead
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: Not reported
Alias Type: Not reported

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LIQUID GOLD OIL CORP (Continued)

1000425117

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: 80001849
Status: Inactive - Needs Evaluation
Status Date: 04/04/2011
Site Code: Not reported
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0.25
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Assembly: 18
Senate: 09
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 37.71909
Longitude: -122.1594
APN: 75-41-2-1
Past Use: ABOVE GROUND STORAGE TANKS, RECYCLING - USED OIL
Potential COC: Lead TPH-diesel TPH-MOTOR OIL
Confirmed COC: Lead 30024-NO 3002502-NO
Potential Description: SOIL
Alias Name: 75-41-2-1
Alias Type: APN
Alias Name: CAT080013923
Alias Type: EPA Identification Number
Alias Name: 110009555882
Alias Type: EPA (FRS #)
Alias Name: 01290023
Alias Type: Envirostor ID Number
Alias Name: 80001849
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/12/1989
Comments: Liquid Gold filed a RCRA Part A permit application on December 10, 1980 for their facility located at 1696 Martinez Street in San Leandro. No interim status document was ever issued for this facility. In April of 1989 twelve samples were taken from surface soil at the site during a RCRA inspection. Moderately elevated levels of lead (less than 500 mg/kg) were found in the samples.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LIQUID GOLD OIL CORP (Continued)

1000425117

Completed Date: 12/08/1980
Comments: Part A Permit Application Submitted for Storage of Used Oil

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

Alameda County CS:

Status: 11
Record Id: RO0002851
PE: 5502
Facility Status: Not reported

RCRA NonGen / NLR:

Date form received by agency: 12/10/1980
Facility name: LIQUID GOLD OIL CORP
Facility address: 1696 MARTINEZ ST
SAN LEANDRO, CA 94577
EPA ID: CAT080013923
Mailing address: 1696 MARTINEZ STREET
SAN LEANDRO, CA 94577
Contact: ENVIRONMENTAL MANAGER
Contact address: 1696 MARTINEZ ST
SAN LEANDRO, CA 94577
Contact country: US
Contact telephone: (415) 635-5626
Contact email: Not reported
EPA Region: 09
Land type: Other land type
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: BRYAN FABIAN
Owner/operator address: 1696 MARTINEZ STREET
SAN LEANDRO, CA 94577
Owner/operator country: Not reported
Owner/operator telephone: (415) 635-5626
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: BRYAN FABIAN
Owner/operator address: 1696 MARTINEZ STREET
CITY NOT REPORTED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 635-5626
Legal status: Private
Owner/Operator Type: Operator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LIQUID GOLD OIL CORP (Continued)

1000425117

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: Yes
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

Corrective Action Summary:

Event date: 01/01/1986
Event: CA029EP

Event date: 01/01/1986
Event: CA049PA

Event date: 01/01/1986
Event: CA074HI

Event date: 01/01/1986
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

Event date: 01/28/1991
Event: CA049SI

Event date: Not reported
Event: CA048RC

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 04/30/1989
Date achieved compliance: 04/30/1989
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LIQUID GOLD OIL CORP (Continued)

1000425117

Area of violation: LDR - General
Date violation determined: 04/21/1989
Date achieved compliance: 04/21/1989
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 04/21/1989
Date achieved compliance: 04/21/1989
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 04/30/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 04/30/1989
Evaluation lead agency: State

Evaluation date: 04/21/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 04/21/1989
Evaluation lead agency: State

Evaluation date: 04/21/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 04/21/1989
Evaluation lead agency: State

HWP:

EPA Id: CAT080013923
Cleanup Status: KNOWN GENERATORS
Latitude: 37.71886
Longitude: -122.1598
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: 18

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LIQUID GOLD OIL CORP (Continued)

1000425117

Senate District: 09
 Public Information Officer: Not reported
 Public Information Officer: Not reported

126
ENE
1/2-1
0.952 mi.
5029 ft.

JEFFERSON ELEMENTARY SCHOOL
14311 LARK STREET
SAN LEANDRO, CA 94578

CA ENVIROSTOR
CA SCH
CA HAZNET

S113036286
N/A

Relative:
Higher

ENVIROSTOR:

Facility ID: 1820004
 Status: Certified
 Status Date: 08/22/2006
 Site Code: 204136
 Site Type: School Cleanup
 Site Type Detailed: School
 Acres: 7.5
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Kamili Siglowide
 Supervisor: Mark Malinowski
 Division Branch: Northern California Schools & Santa Susana
 Assembly: 18
 Senate: 09
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: School District
 Latitude: 37.71295
 Longitude: -122.1353
 APN: 77E-1568-10-2
 Past Use: SCHOOL - ELEMENTARY
 Potential COC: Chlordane DDT Lead Dieldrin Heptachlor epoxide
 Confirmed COC: Dieldrin Heptachlor epoxide Chlordane DDT Lead
 Potential Description: SOIL
 Alias Name: Not reported
 Alias Type: Not reported

Actual:
51 ft.

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON ELEMENTARY SCHOOL (Continued)

S113036286

SCH:

Facility ID: 1820004
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 7.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Kamili Siglowide
Supervisor: Mark Malinowski
Division Branch: Northern California Schools & Santa Susana
Site Code: 204136
Assembly: 18
Senate: 09
Special Program Status: Not reported
Status: Certified
Status Date: 08/22/2006
Restricted Use: NO
Funding: School District
Latitude: 37.71295
Longitude: -122.1353
APN: 77E-1568-10-2
Past Use: SCHOOL - ELEMENTARY
Potential COC: Chlordane, DDT, Lead, Dieldrin, Heptachlor epoxide
Confirmed COC: Dieldrin, Heptachlor epoxide, Chlordane, DDT, Lead
Potential Description: SOIL
Alias Name: Not reported
Alias Type: Not reported

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

HAZNET:

envid: S113036286
Year: 2005
GEPaid: CAL000037052
Contact: MICHAEL MURPHY
Telephone: 5106676019
Mailing Name: Not reported
Mailing Address: 14735 JUNIPER ST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON ELEMENTARY SCHOOL (Continued)

S113036286

Mailing City,St,Zip: SAN LEANDRO, CA 945791222
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Transfer Station
Tons: 0.42
Cat Decode: Asbestos containing waste
Method Decode: Transfer Station
Facility County: Alameda

envid: S113036286
Year: 2005
GEPaid: CAL000037052
Contact: MICHAEL MURPHY
Telephone: 5106676019
Mailing Name: Not reported
Mailing Address: 14735 JUNIPER ST
Mailing City,St,Zip: SAN LEANDRO, CA 945791222
Gen County: Not reported
TSD EPA ID: CAT000646117
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Land Fill
Tons: 50.56
Cat Decode: Other inorganic solid waste
Method Decode: Disposal, Land Fill
Facility County: Alameda

envid: S113036286
Year: 2005
GEPaid: CAL000037052
Contact: MICHAEL MURPHY
Telephone: 5106676019
Mailing Name: Not reported
Mailing Address: 14735 JUNIPER ST
Mailing City,St,Zip: SAN LEANDRO, CA 945791222
Gen County: Not reported
TSD EPA ID: CAD982042475
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 16.85
Cat Decode: Asbestos containing waste
Method Decode: Disposal, Land Fill
Facility County: Alameda

envid: S113036286
Year: 2005
GEPaid: CAL000037052
Contact: MICHAEL MURPHY
Telephone: 5106676019
Mailing Name: Not reported
Mailing Address: 14735 JUNIPER ST
Mailing City,St,Zip: SAN LEANDRO, CA 945791222
Gen County: Not reported
TSD EPA ID: CAD982042475

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON ELEMENTARY SCHOOL (Continued)

S113036286

TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 16.85
Cat Decode: Asbestos containing waste
Method Decode: Disposal, Land Fill
Facility County: Alameda

envid: S113036286
Year: 2005
GEPaid: CAL000037052
Contact: MICHAEL MURPHY
Telephone: 5106676019
Mailing Name: Not reported
Mailing Address: 14735 JUNIPER ST
Mailing City,St,Zip: SAN LEANDRO, CA 945791222
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Transfer Station
Tons: 0.42
Cat Decode: Asbestos containing waste
Method Decode: Transfer Station
Facility County: Alameda

[Click this hyperlink](#) while viewing on your computer to access
7 additional CA_HAZNET: record(s) in the EDR Site Report.

127
SW
1/2-1
0.971 mi.
5128 ft.

LERNER PROCESSING LABS, INC.
14333 WICKS BOULEVARD
SAN LEANDRO, CA 94577

CA ENVIROSTOR S103973638
N/A

Relative:
Lower

ENVIROSTOR:
Facility ID: 71003580
Status: Inactive - Needs Evaluation
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 Berkeley
Assembly: 18
Senate: 09
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 37.69844
Longitude: -122.1657
APN: NONE SPECIFIED

Actual:
12 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LERNER PROCESSING LABS, INC. (Continued)

S103973638

Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA0000734665
Alias Type: EPA Identification Number
Alias Name: 71003580
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase I Verification
Completed Date: 05/22/1997
Comments: Inspection required no changes to Phase 1 checklist.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 12/31/1996
Comments: Phase 1 checklist indicates 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
West
1/2-1
0.987 mi.
5212 ft.

INGERSOLL-RAND EQUIPMENT SALES
1944 MARINA BOULEVARD
SAN LEANDRO, CA 92584

CA Notify 65 **U000056533**
N/A

Relative:
Lower

NOTIFY 65:

Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

Actual:
25 ft.

Count: 6 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SAN LEANDRO	S102008232	TURK ISLAND	5000 FEET SOUTH OF MARINA BLVD	94577	CA ENVIROSTOR
SAN LEANDRO	1003878569	MARINA DSPL SITE	FOOT OF MARINA BLVD-NEPTUNE BL	94577	SEMS-ARCHIVE
SAN LEANDRO	S116165229	MARINA DISPOSAL SITE	NEPTUNE DRIVE AT THE FOOT OF M	94577	CA ENVIROSTOR
SAN LEANDRO	1003878677	TONY LEMA GOLF COURSE LDFL	5000' S OF MARINA BLVD	94577	SEMS-ARCHIVE
SAN LEANDRO	S110770326	SAN LEANDRO INVESTORS GROUP	PERALTA AVE/SAN LEANDRO BLVD		CA SLIC
SAN LEANDRO	S106234888	SAN LEANDRO INVESTORS GROUP	PERAUTA AVE/SAN LEANDRO BLVD		CA SLIC

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 04/05/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/18/2016
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 04/05/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/18/2016
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 04/05/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/18/2016
	Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/13/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/06/2016	Telephone: 703-603-8704
Date Made Active in Reports: 05/20/2016	Last EDR Contact: 04/08/2016
Number of Days to Update: 135	Next Scheduled EDR Contact: 07/18/2016
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 04/05/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/01/2016
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 04/05/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/01/2016
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/09/2015	Source: EPA
Date Data Arrived at EDR: 03/02/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 03/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/11/2016
	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: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 03/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/11/2016
	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: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 03/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/11/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 03/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/11/2016
	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: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 03/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/11/2016
	Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015	Source: Department of the Navy
Date Data Arrived at EDR: 05/29/2015	Telephone: 843-820-7326
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 05/16/2016
Number of Days to Update: 13	Next Scheduled EDR Contact: 08/29/2016
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 05/25/2016
Number of Days to Update: 53	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 05/25/2016
Number of Days to Update: 53	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/28/2016

Date Data Arrived at EDR: 03/30/2016

Date Made Active in Reports: 05/20/2016

Number of Days to Update: 51

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 03/30/2016

Next Scheduled EDR Contact: 07/11/2016

Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 05/02/2016

Date Data Arrived at EDR: 05/04/2016

Date Made Active in Reports: 06/21/2016

Number of Days to Update: 48

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 05/04/2016

Next Scheduled EDR Contact: 08/15/2016

Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 05/02/2016

Date Data Arrived at EDR: 05/04/2016

Date Made Active in Reports: 06/21/2016

Number of Days to Update: 48

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 05/04/2016

Next Scheduled EDR Contact: 08/15/2016

Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/16/2016

Date Data Arrived at EDR: 05/18/2016

Date Made Active in Reports: 06/21/2016

Number of Days to Update: 34

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 05/18/2016

Next Scheduled EDR Contact: 08/29/2016

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003

Date Data Arrived at EDR: 05/19/2003

Date Made Active in Reports: 06/02/2003

Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)

Telephone: 805-542-4786

Last EDR Contact: 07/18/2011

Next Scheduled EDR Contact: 10/31/2011

Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004

Date Data Arrived at EDR: 10/20/2004

Date Made Active in Reports: 11/19/2004

Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-622-2433

Last EDR Contact: 09/19/2011

Next Scheduled EDR Contact: 01/02/2012

Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 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: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 03/14/2016
Date Data Arrived at EDR: 03/16/2016
Date Made Active in Reports: 05/16/2016
Number of Days to Update: 61

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/14/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/17/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/27/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/09/2015
Date Data Arrived at EDR: 02/12/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 112

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 12/11/2015
Date Data Arrived at EDR: 02/19/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 105

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/05/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/26/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/13/2015
Date Data Arrived at EDR: 10/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 118

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/27/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/25/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/27/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 03/14/2016
Date Data Arrived at EDR: 03/16/2016
Date Made Active in Reports: 05/16/2016
Number of Days to Update: 61

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/14/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/11/2016
Next Scheduled EDR Contact: 07/25/2016
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/14/2016	Source: SWRCB
Date Data Arrived at EDR: 03/16/2016	Telephone: 916-341-5851
Date Made Active in Reports: 05/04/2016	Last EDR Contact: 06/14/2016
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/26/2016
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 03/11/2016
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/11/2016
	Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/05/2015	Source: EPA Region 5
Date Data Arrived at EDR: 11/13/2015	Telephone: 312-886-6136
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 04/27/2016
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 12/03/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/04/2016	Telephone: 214-665-7591
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 04/29/2016
Number of Days to Update: 120	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 04/29/2016
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/08/2016
	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: 01/26/2016	Source: EPA Region 8
Date Data Arrived at EDR: 02/05/2016	Telephone: 303-312-6137
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 04/29/2016
Number of Days to Update: 119	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 02/05/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/26/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/25/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/27/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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: 04/01/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/02/2016
Date Data Arrived at EDR: 05/04/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/04/2016
Next Scheduled EDR Contact: 08/15/2016
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 02/29/2016
Date Data Arrived at EDR: 03/07/2016
Date Made Active in Reports: 05/04/2016
Number of Days to Update: 58

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/15/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/22/2015
Date Data Arrived at EDR: 12/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/22/2016
Next Scheduled EDR Contact: 07/04/2016
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: 05/06/2016
Next Scheduled EDR Contact: 08/22/2016
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/15/2016
Date Data Arrived at EDR: 03/16/2016
Date Made Active in Reports: 05/09/2016
Number of Days to Update: 54

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/14/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 04/07/2016	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 04/12/2016	Telephone: 916-341-6422
Date Made Active in Reports: 06/01/2016	Last EDR Contact: 05/13/2016
Number of Days to Update: 50	Next Scheduled EDR Contact: 08/22/2016
	Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 04/27/2016
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/15/2016
	Data Release Frequency: Varies

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	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 04/21/2016
Number of Days to Update: 137	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: No Update Planned

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/18/2016	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/07/2016	Telephone: 202-307-1000
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 03/01/2016
Number of Days to Update: 88	Next Scheduled EDR Contact: 06/13/2016
	Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 05/02/2016	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/04/2016	Telephone: 916-323-3400
Date Made Active in Reports: 06/21/2016	Last EDR Contact: 05/04/2016
Number of Days to Update: 48	Next Scheduled EDR Contact: 08/15/2016
	Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/10/2016	Telephone: 916-255-6504
Date Made Active in Reports: 06/17/2016	Last EDR Contact: 04/21/2016
Number of Days to Update: 38	Next Scheduled EDR Contact: 07/25/2016
	Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	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: 02/18/2016	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/07/2016	Telephone: 202-307-1000
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 05/31/2016
Number of Days to Update: 88	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 11/25/2015	Source: Department of Public Health
Date Data Arrived at EDR: 12/01/2015	Telephone: 707-463-4466
Date Made Active in Reports: 12/17/2015	Last EDR Contact: 06/01/2016
Number of Days to Update: 16	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/08/2016	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/11/2016	Telephone: 916-323-3400
Date Made Active in Reports: 05/04/2016	Last EDR Contact: 06/02/2016
Number of Days to Update: 54	Next Scheduled EDR Contact: 09/19/2016
	Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/18/2014	Telephone: 202-564-6023
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 04/26/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Varies

DEED: Deed Restriction Listing

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/07/2016	Source: DTSC and SWRCB
Date Data Arrived at EDR: 03/08/2016	Telephone: 916-323-3400
Date Made Active in Reports: 05/04/2016	Last EDR Contact: 06/07/2016
Number of Days to Update: 57	Next Scheduled EDR Contact: 09/19/2016
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2015	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 06/26/2015	Telephone: 202-366-4555
Date Made Active in Reports: 09/02/2015	Last EDR Contact: 03/30/2016
Number of Days to Update: 68	Next Scheduled EDR Contact: 07/11/2016
	Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 04/11/2016	Source: Office of Emergency Services
Date Data Arrived at EDR: 04/27/2016	Telephone: 916-845-8400
Date Made Active in Reports: 06/17/2016	Last EDR Contact: 04/27/2016
Number of Days to Update: 51	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 03/14/2016	Source: State Water Quality Control Board
Date Data Arrived at EDR: 03/16/2016	Telephone: 866-480-1028
Date Made Active in Reports: 05/16/2016	Last EDR Contact: 06/14/2016
Number of Days to Update: 61	Next Scheduled EDR Contact: 09/26/2016
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 03/14/2016	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/16/2016	Telephone: 866-480-1028
Date Made Active in Reports: 05/16/2016	Last EDR Contact: 06/14/2016
Number of Days to Update: 61	Next Scheduled EDR Contact: 09/26/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	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: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 03/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/11/2016
	Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 06/10/2016
Number of Days to Update: 97	Next Scheduled EDR Contact: 09/19/2016
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/15/2016
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/25/2016
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/15/2016
Number of Days to Update: 339	Next Scheduled EDR Contact: 07/25/2016
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/20/2016
Next Scheduled EDR Contact: 08/29/2016
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/01/2015
Date Data Arrived at EDR: 09/03/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 05/18/2016
Next Scheduled EDR Contact: 08/29/2016
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/09/2016
Next Scheduled EDR Contact: 08/22/2016
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/12/2016
Next Scheduled EDR Contact: 08/22/2016
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/24/2016
Next Scheduled EDR Contact: 07/04/2016
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/24/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/25/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/07/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2015
Date Data Arrived at EDR: 08/26/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/25/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 05/12/2016
Number of Days to Update: 3	Next Scheduled EDR Contact: 08/22/2016
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014	Source: EPA
Date Data Arrived at EDR: 10/15/2014	Telephone: 202-566-0500
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 04/12/2016
Number of Days to Update: 33	Next Scheduled EDR Contact: 07/25/2016
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/06/2015	Telephone: 202-564-5088
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 04/08/2016
Number of Days to Update: 31	Next Scheduled EDR Contact: 07/25/2016
	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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/20/2016
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/05/2016
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/20/2016
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/05/2016
	Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/07/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 03/18/2016	Telephone: 301-415-7169
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 05/06/2016
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/22/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 06/09/2016
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/19/2016
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 06/10/2016
Number of Days to Update: 40	Next Scheduled EDR Contact: 09/19/2016
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 04/26/2016
Number of Days to Update: 83	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/07/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/09/2015	Telephone: 202-343-9775
Date Made Active in Reports: 09/16/2015	Last EDR Contact: 04/08/2016
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/18/2016
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Transportation, 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 Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/04/2016
Next Scheduled EDR Contact: 08/15/2016
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/24/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/27/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/15/2016
Next Scheduled EDR Contact: 07/25/2016
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/11/2016
Date Data Arrived at EDR: 03/15/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 80

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 05/09/2016
Next Scheduled EDR Contact: 08/22/2016
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/23/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014
Date Data Arrived at EDR: 11/26/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/07/2016
Next Scheduled EDR Contact: 07/18/2016
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 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/24/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/24/2016
Next Scheduled EDR Contact: 07/11/2016
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: 02/09/2016
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 44

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/02/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/03/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 06/03/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/20/2015
Date Data Arrived at EDR: 09/09/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 55

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/08/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 67

Source: Department of Defense
Telephone: 571-373-0407
Last EDR Contact: 06/20/2016
Next Scheduled EDR Contact: 10/03/2016
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: 03/01/2016
Date Data Arrived at EDR: 03/03/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/25/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/28/2016
Date Data Arrived at EDR: 03/30/2016
Date Made Active in Reports: 05/09/2016
Number of Days to Update: 40

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/30/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 02/08/2016
Date Data Arrived at EDR: 02/24/2016
Date Made Active in Reports: 04/01/2016
Number of Days to Update: 37

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 06/02/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 03/22/2016
Date Made Active in Reports: 05/09/2016
Number of Days to Update: 48

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/22/2016
Next Scheduled EDR Contact: 07/04/2016
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: 01/26/2016
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/23/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/25/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/21/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/17/2016
Date Data Arrived at EDR: 02/23/2016
Date Made Active in Reports: 04/01/2016
Number of Days to Update: 38

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/25/2016
Next Scheduled EDR Contact: 08/29/2016
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 10/14/2015
Date Made Active in Reports: 12/11/2015
Number of Days to Update: 58

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/15/2016
Next Scheduled EDR Contact: 07/25/2016
Data Release Frequency: Annually

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/22/2016
Date Data Arrived at EDR: 02/24/2016
Date Made Active in Reports: 04/01/2016
Number of Days to Update: 37

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/25/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/11/2016
Date Data Arrived at EDR: 04/12/2016
Date Made Active in Reports: 06/01/2016
Number of Days to Update: 50

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/12/2016
Next Scheduled EDR Contact: 07/25/2016
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/15/2016
Date Data Arrived at EDR: 03/16/2016
Date Made Active in Reports: 05/09/2016
Number of Days to Update: 54

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/14/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Varies

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 02/29/2016
Date Data Arrived at EDR: 03/08/2016
Date Made Active in Reports: 05/04/2016
Number of Days to Update: 57

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 06/07/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/16/2016
Date Data Arrived at EDR: 02/17/2016
Date Made Active in Reports: 04/01/2016
Number of Days to Update: 44

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/18/2016
Next Scheduled EDR Contact: 08/29/2016
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 03/08/2016
Date Made Active in Reports: 05/16/2016
Number of Days to Update: 69

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 06/07/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/15/2016
Date Data Arrived at EDR: 03/16/2016
Date Made Active in Reports: 05/09/2016
Number of Days to Update: 54

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/14/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/10/2015
Date Data Arrived at EDR: 01/05/2016
Date Made Active in Reports: 02/12/2016
Number of Days to Update: 38

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/15/2016
Next Scheduled EDR Contact: 10/03/2016
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 02/12/2016
Date Data Arrived at EDR: 03/16/2016
Date Made Active in Reports: 06/13/2016
Number of Days to Update: 89

Source: Department of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/16/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board's review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/15/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/20/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/28/2016
Next Scheduled EDR Contact: 07/11/2016
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: 02/22/2016
Date Data Arrived at EDR: 02/24/2016
Date Made Active in Reports: 05/20/2016
Number of Days to Update: 86

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/25/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/20/2015
Date Data Arrived at EDR: 09/23/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 103

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/23/2016
Next Scheduled EDR Contact: 07/04/2016
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 04/12/2016
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/01/2016
Number of Days to Update: 48

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/11/2016
Next Scheduled EDR Contact: 07/25/2016
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/06/2016
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/01/2016
Number of Days to Update: 48

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/11/2016
Next Scheduled EDR Contact: 07/25/2016
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 06/06/2016
Date Data Arrived at EDR: 06/09/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 12

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 06/02/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 18

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 05/23/2016
Next Scheduled EDR Contact: 07/25/2016
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing

Cupa Facility Listing

Date of Government Version: 04/29/2016
Date Data Arrived at EDR: 05/03/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 45

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/28/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 05/25/2016
Date Data Arrived at EDR: 05/26/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 22

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 05/23/2016
Next Scheduled EDR Contact: 08/22/2016
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/24/2016
Date Data Arrived at EDR: 02/26/2016
Date Made Active in Reports: 04/01/2016
Number of Days to Update: 35

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/02/2016
Next Scheduled EDR Contact: 08/15/2016
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List

Cupa Facility list

Date of Government Version: 01/22/2016
Date Data Arrived at EDR: 02/05/2016
Date Made Active in Reports: 03/07/2016
Number of Days to Update: 31

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/15/2016
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 02/22/2016
Date Data Arrived at EDR: 02/24/2016
Date Made Active in Reports: 04/01/2016
Number of Days to Update: 37

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/02/2016
Next Scheduled EDR Contact: 08/15/2016
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 04/04/2016
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 05/04/2016
Number of Days to Update: 28

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 04/04/2016
Next Scheduled EDR Contact: 07/18/2016
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 03/16/2016
Date Data Arrived at EDR: 03/21/2016
Date Made Active in Reports: 05/04/2016
Number of Days to Update: 44

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/23/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Varies

IMPERIAL COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa facility list.

Date of Government Version: 04/26/2016
Date Data Arrived at EDR: 04/28/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 50

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/21/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/23/2016
Next Scheduled EDR Contact: 08/05/2016
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 03/01/2016
Date Data Arrived at EDR: 03/03/2016
Date Made Active in Reports: 05/09/2016
Number of Days to Update: 67

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/09/2016
Next Scheduled EDR Contact: 08/22/2016
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/23/2016
Date Data Arrived at EDR: 02/25/2016
Date Made Active in Reports: 04/01/2016
Number of Days to Update: 36

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/23/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 04/26/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 51

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/18/2016
Next Scheduled EDR Contact: 08/01/2016
Data Release Frequency: Varies

LOS ANGELES COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/15/2016
Next Scheduled EDR Contact: 07/04/2016
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/30/2016
Date Data Arrived at EDR: 04/01/2016
Date Made Active in Reports: 05/09/2016
Number of Days to Update: 38

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/01/2016
Next Scheduled EDR Contact: 07/25/2016
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/18/2016
Date Data Arrived at EDR: 04/20/2016
Date Made Active in Reports: 06/01/2016
Number of Days to Update: 42

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/20/2016
Next Scheduled EDR Contact: 08/01/2016
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016
Date Data Arrived at EDR: 01/26/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 56

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/18/2016
Next Scheduled EDR Contact: 08/01/2016
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/29/2016
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 06/13/2016
Number of Days to Update: 68

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 03/28/2016
Next Scheduled EDR Contact: 08/01/2016
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 11

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/18/2016
Next Scheduled EDR Contact: 08/01/2016
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 11/04/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 12/17/2015
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/05/2016
Date Data Arrived at EDR: 04/26/2016
Date Made Active in Reports: 06/01/2016
Number of Days to Update: 36

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/11/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 03/02/2016
Date Data Arrived at EDR: 03/07/2016
Date Made Active in Reports: 05/04/2016
Number of Days to Update: 58

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/23/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 04/07/2016
Date Data Arrived at EDR: 04/26/2016
Date Made Active in Reports: 06/01/2016
Number of Days to Update: 36

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 04/18/2016
Next Scheduled EDR Contact: 07/18/2016
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 02/26/2016
Date Data Arrived at EDR: 03/01/2016
Date Made Active in Reports: 05/04/2016
Number of Days to Update: 64

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 06/15/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 03/03/2016
Date Data Arrived at EDR: 03/07/2016
Date Made Active in Reports: 05/04/2016
Number of Days to Update: 58

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/25/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Varies

MONTEREY COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 03/15/2016
Date Data Arrived at EDR: 03/18/2016
Date Made Active in Reports: 05/04/2016
Number of Days to Update: 47

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 05/23/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/25/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/25/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 04/18/2016
Date Data Arrived at EDR: 05/06/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 42

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/15/2016
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2016
Date Data Arrived at EDR: 05/17/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 35

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/09/2016
Next Scheduled EDR Contact: 08/22/2016
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2016
Date Data Arrived at EDR: 05/17/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 35

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/09/2016
Next Scheduled EDR Contact: 08/22/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2016	Source: Health Care Agency
Date Data Arrived at EDR: 05/11/2016	Telephone: 714-834-3446
Date Made Active in Reports: 06/01/2016	Last EDR Contact: 05/11/2016
Number of Days to Update: 21	Next Scheduled EDR Contact: 08/22/2016
	Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/07/2016	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 03/09/2016	Telephone: 530-745-2363
Date Made Active in Reports: 05/04/2016	Last EDR Contact: 06/15/2016
Number of Days to Update: 56	Next Scheduled EDR Contact: 09/19/2016
	Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/13/2016	Source: Department of Environmental Health
Date Data Arrived at EDR: 04/15/2016	Telephone: 951-358-5055
Date Made Active in Reports: 05/09/2016	Last EDR Contact: 06/20/2016
Number of Days to Update: 24	Next Scheduled EDR Contact: 10/03/2016
	Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 04/13/2016	Source: Department of Environmental Health
Date Data Arrived at EDR: 04/15/2016	Telephone: 951-358-5055
Date Made Active in Reports: 06/01/2016	Last EDR Contact: 06/20/2016
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/03/2016
	Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/02/2016	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 04/06/2016	Telephone: 916-875-8406
Date Made Active in Reports: 06/01/2016	Last EDR Contact: 04/06/2016
Number of Days to Update: 56	Next Scheduled EDR Contact: 07/18/2016
	Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/02/2016	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 04/06/2016	Telephone: 916-875-8406
Date Made Active in Reports: 06/01/2016	Last EDR Contact: 04/06/2016
Number of Days to Update: 56	Next Scheduled EDR Contact: 07/18/2016
	Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/15/2016	Source: San Bernardino County Fire Department Hazardous Materials Division
Date Data Arrived at EDR: 03/18/2016	Telephone: 909-387-3041
Date Made Active in Reports: 05/09/2016	Last EDR Contact: 05/09/2016
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/22/2016
	Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013	Source: Hazardous Materials Management Division
Date Data Arrived at EDR: 09/24/2013	Telephone: 619-338-2268
Date Made Active in Reports: 10/17/2013	Last EDR Contact: 06/02/2016
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/19/2016
	Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015	Source: Department of Health Services
Date Data Arrived at EDR: 11/07/2015	Telephone: 619-338-2209
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 04/21/2016
Number of Days to Update: 58	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010	Source: San Diego County Department of Environmental Health
Date Data Arrived at EDR: 06/15/2010	Telephone: 619-338-2371
Date Made Active in Reports: 07/09/2010	Last EDR Contact: 06/02/2016
Number of Days to Update: 24	Next Scheduled EDR Contact: 09/19/2016
	Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008	Source: Department Of Public Health San Francisco County
Date Data Arrived at EDR: 09/19/2008	Telephone: 415-252-3920
Date Made Active in Reports: 09/29/2008	Last EDR Contact: 05/06/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/22/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010	Source: Department of Public Health
Date Data Arrived at EDR: 03/10/2011	Telephone: 415-252-3920
Date Made Active in Reports: 03/15/2011	Last EDR Contact: 05/06/2016
Number of Days to Update: 5	Next Scheduled EDR Contact: 08/22/2016
	Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 04/06/2016	Source: Environmental Health Department
Date Data Arrived at EDR: 04/08/2016	Telephone: N/A
Date Made Active in Reports: 05/04/2016	Last EDR Contact: 06/15/2016
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/03/2016
	Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 05/23/2016	Source: San Luis Obispo County Public Health Department
Date Data Arrived at EDR: 05/24/2016	Telephone: 805-781-5596
Date Made Active in Reports: 06/21/2016	Last EDR Contact: 05/23/2016
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/05/2016
	Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 10/14/2015	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 10/15/2015	Telephone: 650-363-1921
Date Made Active in Reports: 11/16/2015	Last EDR Contact: 05/27/2016
Number of Days to Update: 32	Next Scheduled EDR Contact: 09/26/2016
	Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/14/2016	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 03/15/2016	Telephone: 650-363-1921
Date Made Active in Reports: 05/09/2016	Last EDR Contact: 06/08/2016
Number of Days to Update: 55	Next Scheduled EDR Contact: 09/26/2016
	Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/23/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

Date of Government Version: 02/22/2016
Date Data Arrived at EDR: 03/04/2016
Date Made Active in Reports: 05/09/2016
Number of Days to Update: 66

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/23/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/25/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 02/05/2016
Date Data Arrived at EDR: 02/10/2016
Date Made Active in Reports: 04/01/2016
Number of Days to Update: 51

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/23/2016
Next Scheduled EDR Contact: 08/22/2016
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 05/31/2016
Date Data Arrived at EDR: 06/02/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 19

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/23/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Varies

SHASTA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa Facility List.

Date of Government Version: 03/18/2016
Date Data Arrived at EDR: 03/21/2016
Date Made Active in Reports: 05/04/2016
Number of Days to Update: 44

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/23/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 03/14/2016
Date Data Arrived at EDR: 03/22/2016
Date Made Active in Reports: 05/09/2016
Number of Days to Update: 48

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/08/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/14/2016
Date Data Arrived at EDR: 03/21/2016
Date Made Active in Reports: 05/04/2016
Number of Days to Update: 44

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/08/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List

Cupa Facility list

Date of Government Version: 04/05/2016
Date Data Arrived at EDR: 04/08/2016
Date Made Active in Reports: 05/04/2016
Number of Days to Update: 26

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/28/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/01/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 05/09/2016
Number of Days to Update: 34

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/28/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 03/14/2016
Date Data Arrived at EDR: 03/15/2016
Date Made Active in Reports: 05/04/2016
Number of Days to Update: 50

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 06/02/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa facility list

Date of Government Version: 05/03/2016
Date Data Arrived at EDR: 05/10/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 38

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/21/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/28/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 49

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/25/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/04/2016
Next Scheduled EDR Contact: 07/18/2016
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/13/2016
Next Scheduled EDR Contact: 08/22/2016
Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/28/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 53

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/25/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/26/2016
Date Data Arrived at EDR: 03/17/2016
Date Made Active in Reports: 05/04/2016
Number of Days to Update: 48

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/16/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Quarterly

YOLO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 04/12/2016	Source: Yolo County Department of Health
Date Data Arrived at EDR: 04/19/2016	Telephone: 530-666-8646
Date Made Active in Reports: 06/01/2016	Last EDR Contact: 04/04/2016
Number of Days to Update: 43	Next Scheduled EDR Contact: 07/18/2016
	Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 04/29/2016	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 05/03/2016	Telephone: 530-749-7523
Date Made Active in Reports: 06/17/2016	Last EDR Contact: 04/29/2016
Number of Days to Update: 45	Next Scheduled EDR Contact: 08/15/2016
	Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 08/19/2013	Telephone: 860-424-3375
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 05/13/2016
Number of Days to Update: 45	Next Scheduled EDR Contact: 08/29/2016
	Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/17/2015	Telephone: N/A
Date Made Active in Reports: 08/12/2015	Last EDR Contact: 04/12/2016
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/25/2016
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/01/2016	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/06/2016	Telephone: 518-402-8651
Date Made Active in Reports: 06/17/2016	Last EDR Contact: 05/06/2016
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/15/2016
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 08/18/2015
Number of Days to Update: 25

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/18/2016
Next Scheduled EDR Contact: 08/01/2016
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 06/06/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/13/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

2756 ALVARADO STREET
2756 ALVARADO STREET
SAN LEANDRO, CA 94577

TARGET PROPERTY COORDINATES

Latitude (North):	37.709106 - 37° 42' 32.78"
Longitude (West):	122.152919 - 122° 9' 10.51"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	574666.8
UTM Y (Meters):	4173673.2
Elevation:	42 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5641120 SAN LEANDRO, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

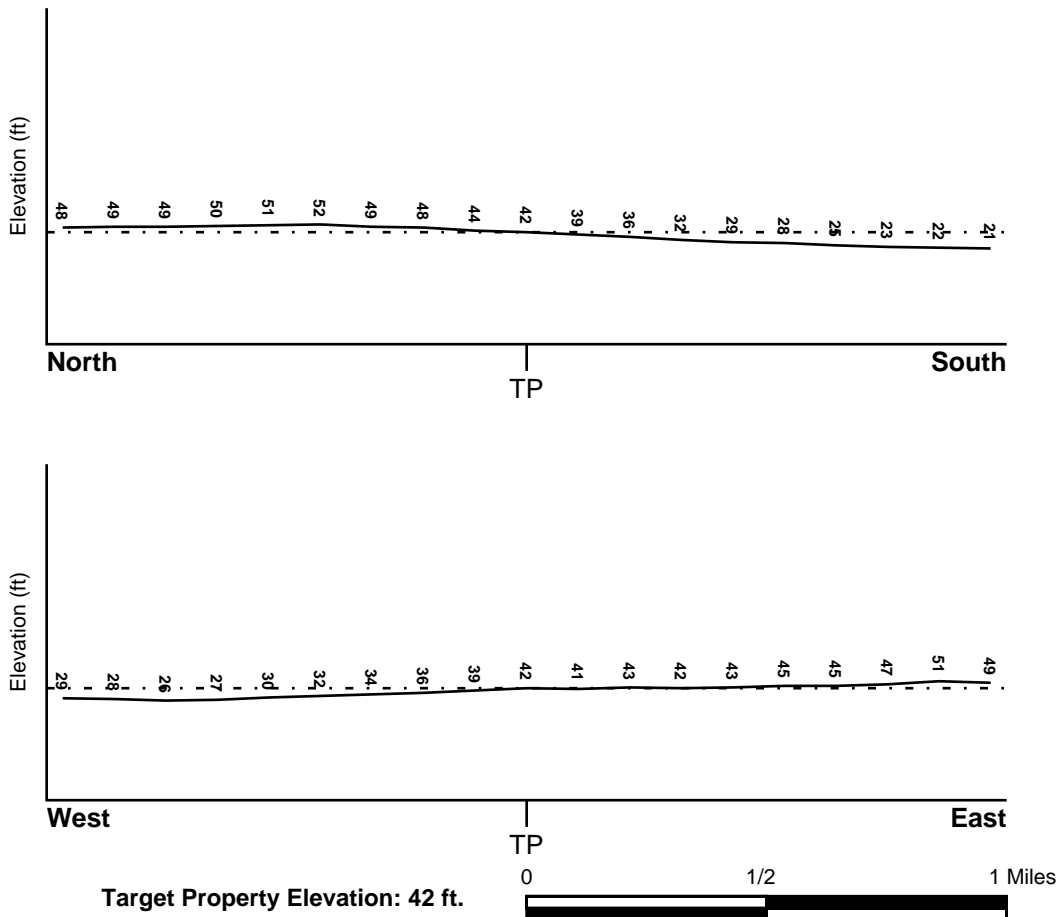
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County
ALAMEDA, CA

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06001C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
SAN LEANDRO

NWI Electronic
Data Coverage
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
Status: Not found

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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
1	1/4 - 1/2 Mile NW	W
4	1/2 - 1 Mile NW	SSE
A6	1/2 - 1 Mile NE	NW
7	1/2 - 1 Mile NE	Varies
8	1/2 - 1 Mile NW	SW

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

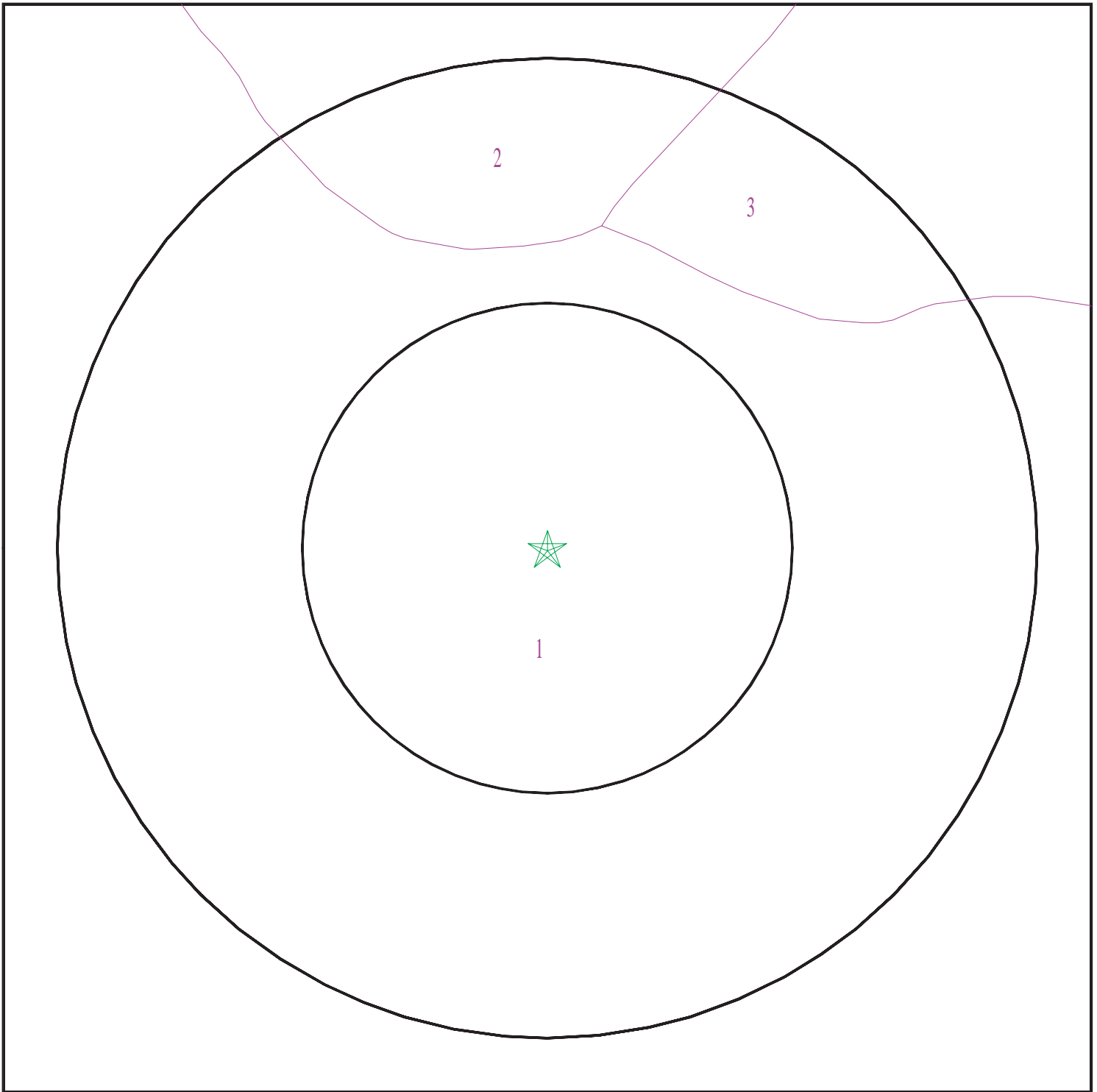
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

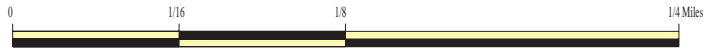
Category: Stratified Sequence

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).

SSURGO SOIL MAP - 4654092.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: 2756 Alvarado Street
ADDRESS: 2756 Alvarado Street
San Leandro CA 94577
LAT/LONG: 37.709106 / 122.152919

CLIENT: WSP Parsons Brinckerhoff
CONTACT: Stephanie Lee
INQUIRY #: 4654092.2s
DATE: June 22, 2016 10:06 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Clear Lake

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	25 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	25 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9

Soil Map ID: 2

Soil Component Name: Botella

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 6.6
2	9 inches	33 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.8 Min: 6.6
3	33 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

Soil Map ID: 3

Soil Component Name: Danville

Soil Surface Texture: silty clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	20 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.1
2	20 inches	53 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1
3	53 inches	79 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6

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

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

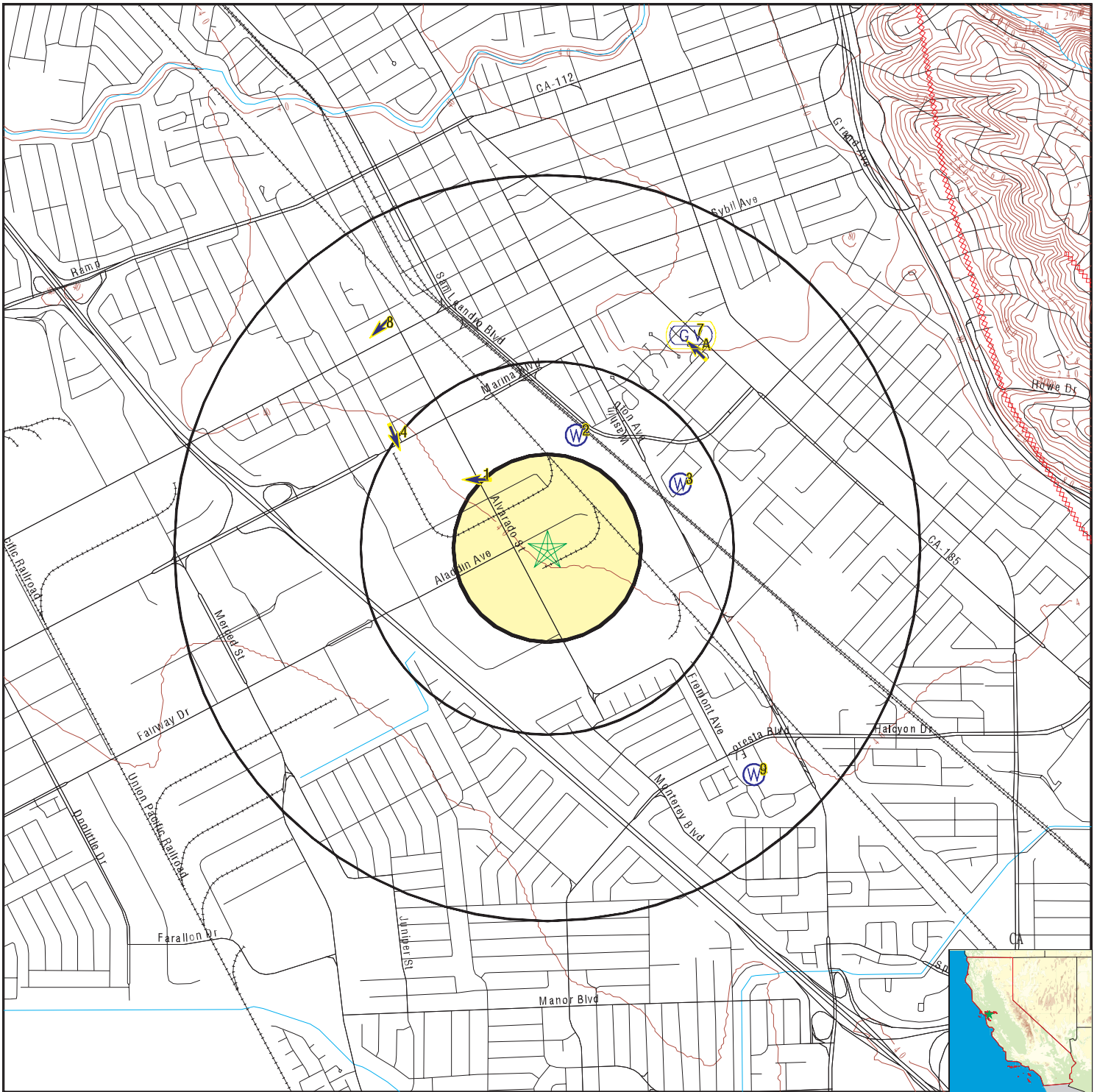
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		









Note: PWS System location is not always the same as well location.






STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
2	CADW60000017057	1/4 - 1/2 Mile NNE
3	CADW60000017056	1/4 - 1/2 Mile ENE
A5	4	1/2 - 1 Mile NE
9	CADW60000017356	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 4654092.2s



-  County Boundary
-  Major Roads
-  Contour Lines
-  Earthquake Fault Lines
-  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: 2756 Alvarado Street
 ADDRESS: 2756 Alvarado Street
 San Leandro CA 94577
 LAT/LONG: 37.709106 / 122.152919

CLIENT: WSP Parsons Brinckerhoff
 CONTACT: Stephanie Lee
 INQUIRY #: 4654092.2s
 DATE: June 22, 2016 10:06 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1 NW 1/4 - 1/2 Mile Higher	Site ID: 01-2129 Groundwater Flow: W Shallow Water Depth: 22 Deep Water Depth: 25 Average Water Depth: Not Reported Date: 01/31/1996	AQUIFLOW	38194
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2 NNE 1/4 - 1/2 Mile Higher	Objectid: 17057 Latitude: 37.7135 Longitude: -122.1515 Site code: 377135N1221515W001 State well numbe: 02S03W36M002M Local well name: " Well use id: 2 Well use descrip: Industrial County id: 1 County name: Alameda Basin code: '2-9.04' Basin desc: East Bay Plain Dwr region id: 80236 Dwr region: North Central Region Office Site id: CADW60000017057	CA WELLS	CADW60000017057
--	---	-----------------	------------------------

3 ENE 1/4 - 1/2 Mile Higher	Objectid: 17056 Latitude: 37.7116 Longitude: -122.1464 Site code: 377116N1221464W001 State well numbe: 02S03W36L001M Local well name: " Well use id: 3 Well use descrip: Irrigation County id: 1 County name: Alameda Basin code: '2-9.04' Basin desc: East Bay Plain Dwr region id: 80236 Dwr region: North Central Region Office Site id: CADW60000017056	CA WELLS	CADW60000017056
--	---	-----------------	------------------------

4 NW 1/2 - 1 Mile Lower	Site ID: 01-1061 Groundwater Flow: SSE Shallow Water Depth: 19 Deep Water Depth: 21.5 Average Water Depth: Not Reported Date: 09/12/1995	AQUIFLOW	38238
--	---	-----------------	--------------

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A5
NE
1/2 - 1 Mile
Higher

CA WELLS 4

Water System Information:

Prime Station Code:	0103041-001	User ID:	ENG
FRDS Number:	0103041001	County:	Alameda
District Number:	04	Station Type:	WELL/AMBNT
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	374259.2 1220840.0	Precision:	100 Feet (one Second)
Source Name:	WELL 01		
System Number:	0103041		
System Name:	Trailer Haven Mobilehome Park		
Organization That Operates System:	2399 E. 14TH ST., 197 SAN LEANDRO, CA 94577		
Pop Served:	275	Connections:	198
Area Served:	Not Reported		
Sample Collected:	15-DEC-11	Findings:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	14-NOV-12	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	18-DEC-13	Findings:	0.22 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	18-DEC-13	Findings:	9.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	18-DEC-13	Findings:	2.01 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	25-MAR-14	Findings:	. 0.191 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	25-MAR-14	Findings:	. 1.16 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	25-JUN-14	Findings:	. 0.191 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	25-JUN-14	Findings:	. 1.16 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	23-SEP-14	Findings:	. 0.191 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	23-SEP-14	Findings:	. 1.64 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	22-DEC-14	Findings:	. 8.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	18-OCT-11	Findings:	11. MG/L
Chemical:	NITRATE (AS NO3)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	15-DEC-11	Findings:	610. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	15-DEC-11	Findings:	8.2
Chemical:	PH, LABORATORY		
Sample Collected:	15-DEC-11	Findings:	220. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	15-DEC-11	Findings:	270. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	15-DEC-11	Findings:	220. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	15-DEC-11	Findings:	43. MG/L
Chemical:	CALCIUM		
Sample Collected:	15-DEC-11	Findings:	27. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	15-DEC-11	Findings:	55. MG/L
Chemical:	SODIUM		
Sample Collected:	15-DEC-11	Findings:	35. MG/L
Chemical:	CHLORIDE		
Sample Collected:	15-DEC-11	Findings:	0.19 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	15-DEC-11	Findings:	4.3 UG/L
Chemical:	ARSENIC		
Sample Collected:	15-DEC-11	Findings:	130. UG/L
Chemical:	BARIUM		
Sample Collected:	15-DEC-11	Findings:	360. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	15-DEC-11	Findings:	0.63
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	15-DEC-11	Findings:	10. MG/L
Chemical:	NITRATE (AS NO3)		

A6 NE 1/2 - 1 Mile Higher	Site ID:	01-2324	AQUIFLOW	67903
	Groundwater Flow:	NW		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	8.5		
	Date:	10/04/1990		

7 NE 1/2 - 1 Mile Higher	Site ID:	01-0367	AQUIFLOW	63791
	Groundwater Flow:	Varies		
	Shallow Water Depth:	5.7		
	Deep Water Depth:	5.8		
	Average Water Depth:	Not Reported		
	Date:	06/1992		

8 NW 1/2 - 1 Mile Higher	Site ID:	01-1297	AQUIFLOW	38246
	Groundwater Flow:	SW		
	Shallow Water Depth:	23.8		
	Deep Water Depth:	24.8		
	Average Water Depth:	Not Reported		
	Date:	09/15/1995		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

Map ID	Direction	Distance	Elevation	Database	EDR ID Number
9	SE	1/2 - 1 Mile	Lower	CA WELLS	CADW60000017356

Objectid: 17356
 Latitude: 37.7003
 Longitude: -122.1428
 Site code: 377003N1221428W001
 State well numbe: 03S03W01G001M
 Local well name: "
 Well use id: 3
 Well use descrip: Irrigation
 County id: 1
 County name: Alameda
 Basin code: '2-9.04'
 Basin desc: East Bay Plain
 Dwr region id: 80236
 Dwr region: North Central Region Office
 Site id: CADW60000017356

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94577	36	1

Federal EPA Radon Zone for ALAMEDA 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 Zip Code: 94577

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.400 pCi/L	100%	0%	0%
Living Area - 2nd Floor	-0.400 pCi/L	100%	0%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

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, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656


Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Appendix E – Historical Information



2756 Alvarado Street
2756 Alvarado Street
San Leandro, CA 94577

Inquiry Number: 4654092.12

June 22, 2016

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Site Name:

2756 Alvarado Street
 2756 Alvarado Street
 San Leandro, CA 94577
 EDR Inquiry # 4654092.12

Client Name:

WSP Parsons Brinckerhoff
 2025 Gateway Place
 San Jose, CA 95110
 Contact: Stephanie Lee



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:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1998	1"=500'	Flight Date: August, 27 1998	USDA
1993	1"=500'	Acquisition Date: July, 10 1993	USGS/DOQQ
1982	1"=500'	Flight Date: July, 05 1982	USDA
1974	1"=500'	Flight Date: October, 14 1974	USGS
1968	1"=500'	Flight Date: April, 22 1968	USGS
1958	1"=500'	Flight Date: July, 21 1958	USGS
1946	1"=500'	Flight Date: July, 29 1946	USGS
1939	1"=500'	Flight Date: July, 30 1939	USDA

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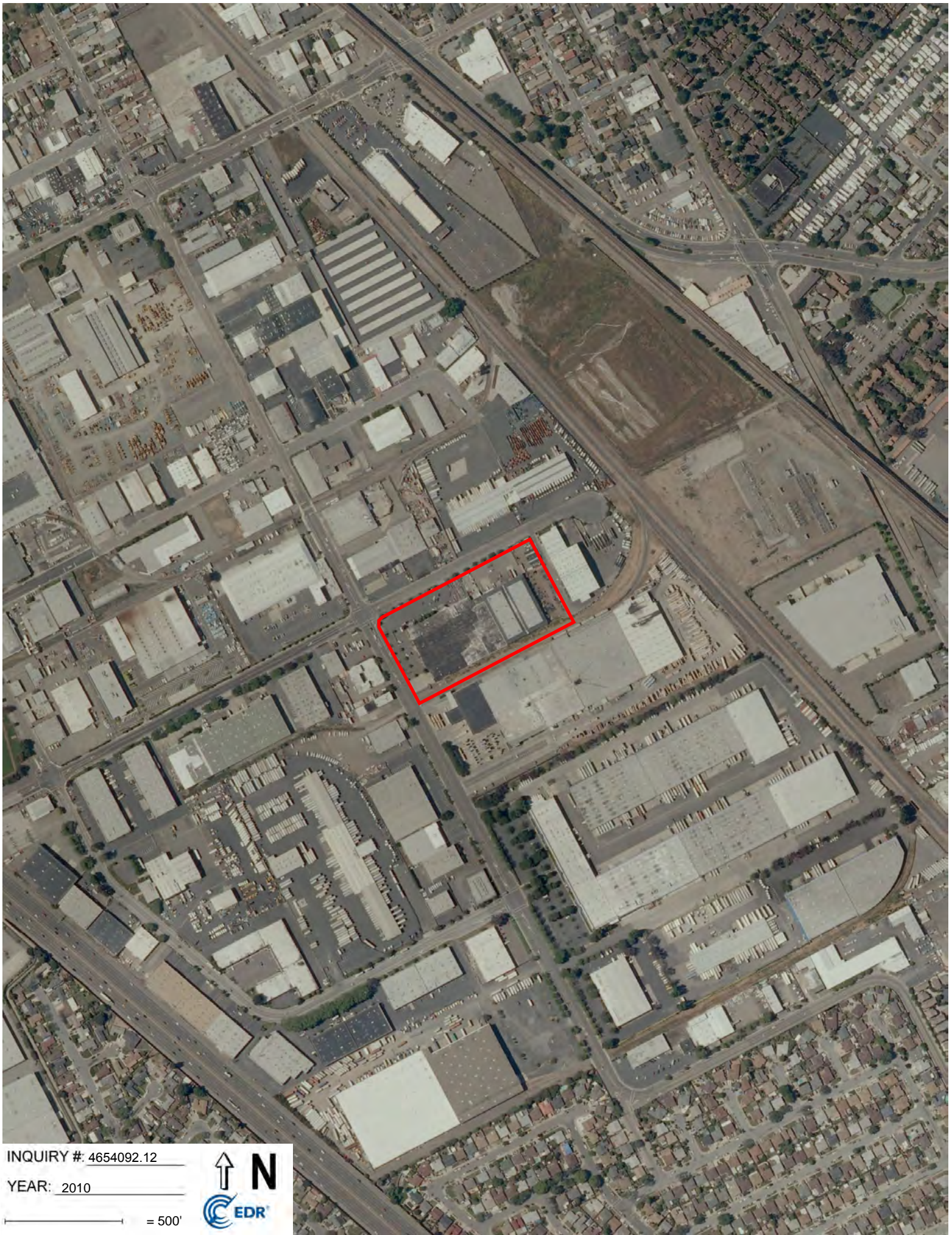


INQUIRY #: 4654092.12

YEAR: 2012

— = 500'





INQUIRY #: 4654092.12

YEAR: 2010

— = 500'





INQUIRY #: 4654092.12

YEAR: 2009

— = 500'



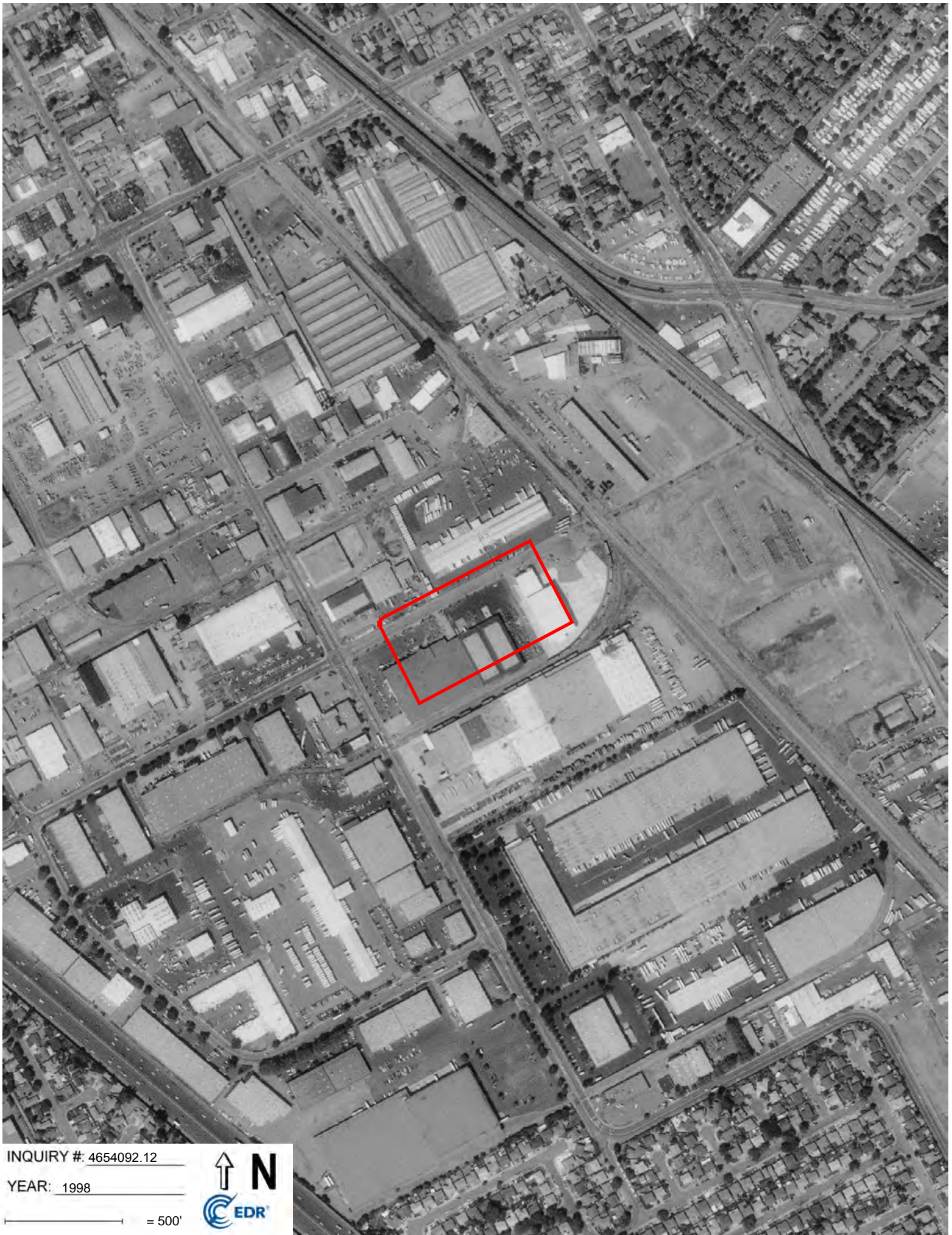


INQUIRY #: 4654092.12

YEAR: 2005

— = 500'





INQUIRY # 4654092.12

YEAR: 1998

— = 500'





INQUIRY #: 4654092.12

YEAR: 1993

— = 500'





INQUIRY #: 4654092.12

YEAR: 1982

— = 500'





INQUIRY #: 4654092.12

YEAR: 1974

— = 500'





INQUIRY # 4654092.12

YEAR: 1968

— = 500'





INQUIRY # 4654092.12

YEAR: 1958

— = 500'





INQUIRY #: 4654092.12

YEAR: 1946

— = 500'





INQUIRY #: 4654092.12

YEAR: 1939

— = 500'



2756 Alvarado Street
2756 Alvarado Street
San Leandro, CA 94577

Inquiry Number: 4654092.5
June 22, 2016

The EDR-City Directory Abstract

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Executive Summary

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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 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2013	Cole Information Services	X	X	X	-
2008	Cole Information Services	X	X	X	-
2006	Haines Company, Inc.	-	-	-	-
2002	Haines	X	X	X	-
	R. L. Polk & Co.	X	X	X	-
2000	Pacific Bell	X	X	X	-
1996	PACIFIC BELL DIRECTORY	X	X	X	-
1993	Pacific Bell	-	-	-	-
1992	PACIFIC BELL DIRECTORY	-	X	X	-
1991	PACIFIC BELL WHITE PAGES	X	X	X	-
1986	PACIFIC BELL WHITE PAGES	X	X	X	-
1984	Pacific Bell	-	-	-	-
1982	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	X	X	X	-
1979	Pacific Telephone	-	X	X	-
1976	R. L. Polk & Co.	-	X	X	-
1975	Pacific Telephone	-	X	X	-
1973	Pacific Telephone	-	-	-	-
1970	Pacific Telephone Directory	X	X	X	-
1967	R. L. Polk Co.	-	-	-	-
1965	R. L. Polk & Co.	X	X	X	-
1962	Pacific Telephone	X	X	X	-
1960	Pacific Telephone	-	-	-	-
1959	R. L. Polk & Co.	X	X	X	-
1956	Pacific Telephone	-	-	-	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1955	The Pacific Telephone & Telegraph Co.	-	X	X	-
1954	R. L. Polk & Co. of California	-	-	-	-
1951	R. L. Polk & Co.	-	-	-	-
1950	The Pacific Telephone & Telegraph Co.	-	-	-	-
1946	R. L. Polk & Co.	-	-	-	-
1945	The Pacific Telephone & Telegraph Co.	-	-	-	-
1943	R. L. Polk & Co.	-	-	-	-
1940	R. L. Polk & Co.	-	-	-	-
1938	Pacific Telephone	-	-	-	-
1933	R. L. Polk & Co. of California	-	-	-	-
1932	R. L. Polk & Co. of California	-	-	-	-
1928	R. L. Polk & Co. of California	-	-	-	-
1926	R. L. Polk & Co.	-	-	-	-
1925	The Pacific Telephone & Telegraph Co.	-	-	-	-
1920	R. L. Polk & Co. of California	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

2756 Alvarado Street
San Leandro, CA 94577

FINDINGS DETAIL

Target Property research detail.

ALVARADO

2756 ALVARADO

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1959	of Calif can plant mfrs e	R. L. Polk & Co.
	Sherwin Williams Co	R. L. Polk & Co.

ALVARADO ST

2756 ALVARADO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	MR PLASTICS	Cole Information Services
	MR PLASTICS INC	Cole Information Services
	NEW WORLD CLASS FURNITURE	Cole Information Services
	ORIENTAL VASE & FURNITURE	Cole Information Services
	QUALITY GREEN BUILDING SUPPLIES	Cole Information Services
	SF PLASTIC & SIGNS SUPPLY	Cole Information Services
2008	MIKE ADELSON PROPERTIES	Cole Information Services
	MR PLASTICS	Cole Information Services
	NEW COMEBACK INC	Cole Information Services
	NEW WORLD CLASS FURNITURE	Cole Information Services
	ORIENTAL VASE & FURNITURE	Cole Information Services
	PLASTIC WORKS INC	Cole Information Services
	SAN LEANDRO FURNISHING OUTLET	Cole Information Services
2002	ADELSONM	Haines
	ANTQUEFURN MR PLA	Haines
	FURNITURE	Haines
	GREATWALLCHINESE	Haines
	MR PLASTICS INC	Haines
	PACKAGING&FULFILL	Haines
	PLASTICS GRANDTILESCABINET	Haines

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	TRADING CO WORLD	Haines
	VASESFURNITURE	Haines
	WEST PACIFIC	Haines
	YINoel	Haines
	ADELSONMIKEMR	R. L. Polk & Co.
	ANTQUEFURN MR PLASTICS	R. L. Polk & Co.
	FURNITURE	R. L. Polk & Co.
	GREATWALLCHINESE	R. L. Polk & Co.
	MR PLASTICS INC	R. L. Polk & Co.
	PACKAGING&FULFILL	R. L. Polk & Co.
	PLASTICS GRANDTILESCABINET	R. L. Polk & Co.
	TRADING CO WORLD	R. L. Polk & Co.
	VASESFURNITURE	R. L. Polk & Co.
	WEST PACIFIC	R. L. Polk & Co.
YINoel	R. L. Polk & Co.	
2000	A ORIENTAL VASE & FURNITURE	Pacific Bell
	C WORLD CLASS FURNITURE	Pacific Bell
	F GRAND TILE & CABINET	Pacific Bell
	GREAT WALL CHINESE ANTIQUE FURNITURE	Pacific Bell
	WB PFLUG PACKAGING & FULFILLMENT	Pacific Bell
1996	A ORIENTAL VASE & FURNITURE	PACIFIC BELL DIRECTORY
	C WORLD CLASS FURNITURE	PACIFIC BELL DIRECTORY
	GREAT WALL CHINESE ANTIQUE FURNITURE	PACIFIC BELL DIRECTORY
	INTER-PACK SERVICES	PACIFIC BELL DIRECTORY
	TRANS FREIGHT EXPRESS	PACIFIC BELL DIRECTORY
1991	UN ITE D S TATE S COLD S TORAGE	PACIFIC BELL WHITE PAGES
	United States Can Co	PACIFIC BELL WHITE PAGES
1986	United States Can Co	PACIFIC BELL WHITE PAGES
1980	Can Plant	Pacific Telephone
1970	SHERWIN WILLIAMS CO THE	Pacific Telephone Directory
1965	CONTAINER DIV MTL CAN MFRS	R. L. Polk & Co.
	SHERWIN WILLIAMS CO	R. L. Polk & Co.
	SHERWIN WILLIAMS CO CAN PLANT CAN MFRS	R. L. Polk & Co.
1962	Can Plant	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

ALADDIN AVE

601 ALADDIN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	SAINT FRANCIS ELECTRIC INC	Cole Information Services
2002	XXXX	R. L. Polk & Co.
	XXXX	Haines
1996	EMERY WORLDWIDE A CF CO	PACIFIC BELL DIRECTORY
	EMERY WORLDWIDE A CF CO	PACIFIC BELL DIRECTORY
1992	BAY AREA-LOS ANGELES EXPRESS	PACIFIC BELL DIRECTORY
1991	Bay Area Los Angeles Express	PACIFIC BELL WHITE PAGES
	Bay Area Los Angeles Express Shop	PACIFIC BELL WHITE PAGES
	Bus Ofic	PACIFIC BELL WHITE PAGES
	Fax line	PACIFIC BELL WHITE PAGES
	Bestway Transportation	PACIFIC BELL WHITE PAGES
	Transcon Lines	PACIFIC BELL WHITE PAGES
	Pickup & Delivery	PACIFIC BELL WHITE PAGES
	No Charge Ask Opr For	PACIFIC BELL WHITE PAGES
1986	BESTWAY	PACIFIC BELL WHITE PAGES
	TRANSCON LINES	PACIFIC BELL WHITE PAGES
	CONWAY WESTERN	PACIFIC BELL WHITE PAGES
	EXPRESS	PACIFIC BELL WHITE PAGES
	USA WESTERN INC	PACIFIC BELL WHITE PAGES
	USA WESTERN INC	PACIFIC BELL WHITE PAGES
	Bestway	PACIFIC BELL WHITE PAGES
	Smith Transportation	PACIFIC BELL WHITE PAGES
	Smith Trisha Lynn	PACIFIC BELL WHITE PAGES
	Tradewind Freight Systems Inc	PACIFIC BELL WHITE PAGES
	No Charge To Calling Party	PACIFIC BELL WHITE PAGES
	Conway Western Express	PACIFIC BELL WHITE PAGES
	Transcon Lines	PACIFIC BELL WHITE PAGES
	Pickup & Delivery	PACIFIC BELL WHITE PAGES
	No Charge Ask Opr For	PACIFIC BELL WHITE PAGES
	Transfresh Corp	PACIFIC BELL WHITE PAGES
1982	TRANSCON LINES SAN LEANDRO	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Deanza Delivery System Inc	Pacific Telephone
	Transcon Lines	Pacific Telephone
	Transcon Lines	Pacific Telephone
1970	TRANS-CON LINES SAN LEANDRO	Pacific Telephone Directory
	TRANSCON LINES	Pacific Telephone Directory

661 ALADDIN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	SPINARDI Rober	Haines
	SPINARDI Rober	R. L. Polk & Co.

795 ALADDIN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	BARSTAD & DONICHT INC	Cole Information Services
2008	BARSTAD & DONICHT INC	Cole Information Services
2002	BSDWELOING	Haines
	BARSTADi OO	Haines
	BSDWELOING	R. L. Polk & Co.
	BARSTADi OO NICHT	R. L. Polk & Co.
2000	BARSTAD & DONICHT INC	Pacific Bell
1996	BARSTAD & DONICHT INC	PACIFIC BELL DIRECTORY
1992	A & B METAL PRODUCTS CORP	PACIFIC BELL DIRECTORY
1986	A & B METAL PRODUCTS CORP	PACIFIC BELL WHITE PAGES
	A & B Metal Products Corp	PACIFIC BELL WHITE PAGES
1980	A & B METAL PRODUCTS CORP	Pacific Telephone
1975	A & B METAL PRODUCTS CORP	Pacific Telephone
1970	A & B METAL PRODUCTS CORP SAN LEANDRO	Pacific Telephone Directory

820 ALADDIN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	AMERICAN AIR CONDITIONING CO	Cole Information Services
2008	HEATHORN & ASSOCIATES CONTR	Cole Information Services
	AMERICAN AIR CONDITIONING PLUMBING	Cole Information Services
2002	RAFHELEdw On	R. L. Polk & Co.
	BAYCRYOG	Haines
	RAFHELEdw On	Haines
	BAYCRYOGENICS	R. L. Polk & Co.
2000	BAY CRYOGENICS	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1996	BAY CRYOGENICS	PACIFIC BELL DIRECTORY
	B GRIM SHANE & AL	PACIFIC BELL DIRECTORY
1992	NELSON STUD WELDING DIVISION TRW	PACIFIC BELL DIRECTORY
1991	Nelson Stud Welding Division TRW	PACIFIC BELL WHITE PAGES
	Nelson T	PACIFIC BELL WHITE PAGES
	Nelson T	PACIFIC BELL WHITE PAGES
	Nelson T	PACIFIC BELL WHITE PAGES
	Nelson T	PACIFIC BELL WHITE PAGES
1986	NELSON STUD WELDING DIVISION TRW	PACIFIC BELL WHITE PAGES
	Fasteners Group	PACIFIC BELL WHITE PAGES
	I Nelson Sue Ellen	PACIFIC BELL WHITE PAGES
	Nelson T	PACIFIC BELL WHITE PAGES
	I Nelson T	PACIFIC BELL WHITE PAGES
1980	Nelson Stud Welding Division TRW Inc	Pacific Telephone
1975	NELSON STUD WELDING DIVISION TRW INC	Pacific Telephone
1970	GREGORY INDUSTRIES INC SAN LEANDRO	Pacific Telephone Directory
	NELSON STUD WELDING CO SAN LEANDRO	Pacific Telephone Directory

ALVARADO

2690 ALVARADO

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1959	Co meter mfrs	R. L. Polk & Co.
	Pillar Furn Mfg Co e	R. L. Polk & Co.

2800 ALVARADO

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1959	Western Corrugated Inc box mfrs 4 EL	R. L. Polk & Co.

ALVARADO ROW

2777 ALVARADO ROW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	ALTO SALES CO	Pacific Telephone

FINDINGS

ALVARADO ST

2650 ALVARADO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	BEST BUY FURNITURE	Cole Information Services
2002	OLE Ouan	R. L. Polk & Co.
	WAREHOUSE	R. L. Polk & Co.
	COSTLESS FURN	R. L. Polk & Co.
	OLE Ouan	Haines
	WAREHOUSE	Haines
	COSTLESS FURN	Haines
2000	COSTLESS FURNITURE WAREHOUSE	Pacific Bell
1996	COSTLESS FURNITURE WAREHOUSE	PACIFIC BELL DIRECTORY
1992	COSTLESS FURNITURE WAREHOUSE	PACIFIC BELL DIRECTORY
1986	MOTOR RIM & WHEEL SERVICE	PACIFIC BELL WHITE PAGES
1982	MOTOR RIM & WHEEL SERVICE INC SAN LEANDRO	Pacific Telephone
1980	Motor Rim & Wheel Service	Pacific Telephone
1975	MOTOR RIM & WHEEL SERVICE OF CALIF	Pacific Telephone
1970	HARRAH E G MOTOR RIM & WHEEL SERVICE OF CALIF SAN LEANDRO	Pacific Telephone Directory
	MOTOR RIM & WHEEL SERVICE OF CALIF SAN LEANDRO	Pacific Telephone Directory
1965	CALIFORNIA MFR AUTO RIMS & WHEELS	R. L. Polk & Co.
	MOTOR RIM WHEEL SERVICE OF	R. L. Polk & Co.
1962	MOTOR RIM & WHEEL SERVICE OF CALIF	Pacific Telephone
	Harrah E G Motor Rim & Wheel Serv of Calif	Pacific Telephone

2678 ALVARADO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	FLATHMANN TRUCKING INC	Pacific Telephone
	BESTS BLOCKS INC	Pacific Telephone
	Best Blocks Inc	Pacific Telephone
1955	BEST CONCRETE PRODUCTS INC SAN LEANDRO	The Pacific Telephone & Telegraph Co.

2689 ALVARADO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1965	ROCKWELL MANUFACTURING CO	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1965	BRODIE CIV METER MFRS	R. L. Polk & Co.

2690 ALVARADO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	SAN LEANDRO DOOR CO	Cole Information Services
2008	PAUL E DAYTON CORP	Cole Information Services
2002	BOGUE Koch	Haines
	AGRIB	Haines
	BOGUE Koch	R. L. Polk & Co.
	AGRIBAGINC	R. L. Polk & Co.
2000	AGRIBAG INC	Pacific Bell
1996	AGRIBAG INC	PACIFIC BELL DIRECTORY
1992	HARRISON S BAY AREA SERVICE CENTER	PACIFIC BELL DIRECTORY
1991	Harrisons Marine Center	PACIFIC BELL WHITE PAGES
	Harrisons Bay Area Service Center	PACIFIC BELL WHITE PAGES
1986	SERVICE CENTER	PACIFIC BELL WHITE PAGES
	HARRISON S MARINE	PACIFIC BELL WHITE PAGES
1980	Celanese Plastic Company	Pacific Telephone
	Celanese Piping Systems Chemtrol Div	Pacific Telephone
1975	CELANESE PLASTIC CHMPANY	Pacific Telephone
1970	ALTA CALIFORNIA DISTRIBUTING CO SAN LEANDRO	Pacific Telephone Directory
1965	GOODS MANUFACTURING CO	R. L. Polk & Co.
	PILLAR FURNITURE & CASE	R. L. Polk & Co.
1962	Pillar Furniture Mfg Co	Pacific Telephone
1955	PILLAR FURNITURE MFG CO	The Pacific Telephone & Telegraph Co.

2711 ALVARADO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	LEE LARRY SHEIL SERVICE SAN LEANDRO	Pacific Telephone Directory

2777 ALVARADO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	CLEAR VISION WINDOW & DOOR	Cole Information Services
	A B STEVENSON CO INSURANCE BROKERAGE	Cole Information Services
	PRINTED SOLUTIONS	Cole Information Services
	CHRIS PINNEY CONSTRUCTION	Cole Information Services
	BAGNER VONNAH LAW OFFICE	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	AB FRANK A STEVENSON INSURANCE AGENC	Cole Information Services
	LAW OFFICES OF VONNAH BRILLET	Cole Information Services
	TRAPPCO GENERAL CONSTRUCTION INC	Cole Information Services
	FRANK J IVICA CPA	Cole Information Services
	PRINTED SOLUTIONS	Cole Information Services
	RELIANT NURSING SERVICES	Cole Information Services
	LITE MINDER CO	Cole Information Services
	DOUGLAS ELECTRONICS INC	Cole Information Services
2002	ELECTRONICS INC EDCHOVANE	R. L. Polk & Co.
	INC IVICA FRAN	R. L. Polk & Co.
	PENNEBAKERChad	R. L. Polk & Co.
	PRINTED SOLU	R. L. Polk & Co.
	WORLDNETWORK	R. L. Polk & Co.
	COMMUNICATIONS	R. L. Polk & Co.
	ELECTRONCSINC DOUGLAS	R. L. Polk & Co.
	CHRISP	R. L. Polk & Co.
	CONSTRUCTION DO	R. L. Polk & Co.
	CHRISP	Haines
	CONSTRUCTION DO	Haines
	ELECTRONCSINC DO	Haines
	ELECTRONICS INC EDCHOVANE	Haines
	INC IVICA FRAN	Haines
	PENNEBAKERChad	Haines
	PRINTED SOLU	Haines
	WORLDNETWORK	Haines
COMMUNICATIONS	Haines	
2000	DOUGLAS ELECTRONCS INC	Pacific Bell
	DOUGLAS ELECTRONICS INC	Pacific Bell
	WORLD DISCOUNT TRAVEL	Pacific Bell
	C CHRIS PINNEY CONSTRUCTION	Pacific Bell
	D D S PC S	Pacific Bell
	D IVICA FRANK J CPA	Pacific Bell
	F WORLD NETWORK COMMUNICATIONS INC	Pacific Bell
	P PRINTED SOLUTIONS	Pacific Bell
1996	CARDANA HENRY E	PACIFIC BELL DIRECTORY
	DOUGLAS ELECTRONCS INC	PACIFIC BELL DIRECTORY
	WILLIAMS W CO	PACIFIC BELL DIRECTORY

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1996	DOUGLAS ELECTRONICS INC	PACIFIC BELL DIRECTORY
	D IVICA FRANK J CPA	PACIFIC BELL DIRECTORY
	P PRINTED SOLUTIONS	PACIFIC BELL DIRECTORY
1992	JOHNSON EMILY	PACIFIC BELL DIRECTORY
	MURDOCH ENGINEERING	PACIFIC BELL DIRECTORY
	DOUGLAS ELECTRONICS INC	PACIFIC BELL DIRECTORY
1986	LINDSEY & CO	PACIFIC BELL WHITE PAGES
	CITATION BUILDERS	PACIFIC BELL WHITE PAGES
	HEADQUARTERS	PACIFIC BELL WHITE PAGES
	CITATION BUILDERS	PACIFIC BELL WHITE PAGES
	Citation Builders	PACIFIC BELL WHITE PAGES
	CITATION BUILDE RS HE ADQUARTE RS	PACIFIC BELL WHITE PAGES
	Lindsey & Co	PACIFIC BELL WHITE PAGES
	Lindsey D	PACIFIC BELL WHITE PAGES
1982	CITATION BUILDERS HEADQUARTERS SAN LEANDRO	Pacific Telephone
1980	CITATION BUILDERS HEADQUARTERS	Pacific Telephone
	Lindsey & Co	Pacific Telephone
1979	CITATPION BUILDERS HEADQUARTERS	Pacific Telephone
1975	LINDSEY & CO	Pacific Telephone
1970	BESCO SAN LEANDRO	Pacific Telephone Directory
1965	BESCO 8 LDG CONTRS	R. L. Polk & Co.
	ALTO SALES CO INC HOMES	R. L. Polk & Co.

2800 ALVARADO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	GEORGIA PACIFIC CORP	Cole Information Services
2000	WILLAMETTE INDUSTRIES INC	Pacific Bell
	WILLAMETTE INDUSTRIES INC	Pacific Bell
1996	WILLAMETTE INDUSTRIES INC	PACIFIC BELL DIRECTORY
	WILLAMETTE INDUSTRIES INC	PACIFIC BELL DIRECTORY
1992	WILLAMETTE INDUSTRIES INC	PACIFIC BELL DIRECTORY
1991	No Charge Ask Opr For	PACIFIC BELL WHITE PAGES
	W E S TE RN KRAFT W ILLAME TTE IN DUS TRIE S IN C	PACIFIC BELL WHITE PAGES
	Western Kraft	PACIFIC BELL WHITE PAGES
1986	IN DUS TRIE S IN C	PACIFIC BELL WHITE PAGES
	WILLAMETTE INDUSTRIES	PACIFIC BELL WHITE PAGES

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	WESTERN KRAFT	PACIFIC BELL WHITE PAGES
	W E S T E R N K R A F T W I L L A M E T T E	PACIFIC BELL WHITE PAGES
	Western Kraft	PACIFIC BELL WHITE PAGES
	No Charge Ask Opr For	PACIFIC BELL WHITE PAGES
1980	Western Kraft	Pacific Telephone
	WESTERN KRAFT PAPER GROUP	Pacific Telephone
	WILLAMETTE INDUSTRIES INC	
1970	WESTERN CORRUGATED INC SAN LEANDRO	Pacific Telephone Directory
1965	WESTERN CORRUGATED INC	R. L. Polk & Co.
1962	WESTERN CORRUGATED INC	Pacific Telephone
1955	WESTERN CORRUGATED BOX INC SAN LEANDRO	The Pacific Telephone & Telegraph Co.

2801 ALVARADO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1965	UNDER CONSTN	R. L. Polk & Co.

2823 ALVARADO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	OREN GEORGE TIRE SPECIALIST INC	Cole Information Services
2008	OREN TIRE	Cole Information Services
2002	SPECIALIST INC	R. L. Polk & Co.
	SPECIALIST INC	Haines
	OREN GEOTIRE	Haines
	SPECIALIST	Haines
	GEORGEORE	Haines
	OREN GEOTIRE	R. L. Polk & Co.
	SPECIALIST	R. L. Polk & Co.
	GEORGEORE	R. L. Polk & Co.
2000	OREN GEORGE TIRE SPECIALIST INC	Pacific Bell
1996	OREN GEORGE TIRE SPECIALIST INC	PACIFIC BELL DIRECTORY
1992	OREN GEORGE TIRE SPECIALIST INC	PACIFIC BELL DIRECTORY
1991	S P E C I A L I S T I N C	PACIFIC BELL WHITE PAGES
	S P E C I A L I S T	PACIFIC BELL WHITE PAGES
1986	S P E C I A L I S T	PACIFIC BELL WHITE PAGES
	SPECIALIST	PACIFIC BELL WHITE PAGES
	OREN GEORGE TIRE	PACIFIC BELL WHITE PAGES
1982	GEO OREN SAN LEANDRO	Pacific Telephone
1980	Oren Geo tir spclst	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	OREN GEO TIR SPCLST	Pacific Telephone

2851 ALVARADO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	E-Z-GO DIV OF TEXTRON INC	Pacific Bell
1996	GREATER BAY TRUCKING	PACIFIC BELL DIRECTORY
	GREATER BAY CONSOLIDATION & DISTRIBUTION	PACIFIC BELL DIRECTORY
1986	Bergandi Mfg Co Inc	PACIFIC BELL WHITE PAGES
	Centurion Courier Service	PACIFIC BELL WHITE PAGES
	CENTURION COURIER SERVICE	PACIFIC BELL WHITE PAGES
	BERGANDI MFG CO INC	PACIFIC BELL WHITE PAGES
1979	KEENAN SUPPLY INC	Pacific Telephone
1976	KEENAN PIPE AND SUPPLY CO	R. L. Polk & Co.
1970	KEENAN PIPE AND SUPPLY CO SAN LEANDRO	Pacific Telephone Directory

2933 ALVARADO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	H 6 H DISTRIB	Haines
	H&HDISTRIB	Haines
	WESTRN PUBLIC DISTRIBUTIONS	Haines
	6 H DISTRIB	Haines
	H&HDISTRIB	R. L. Polk & Co.
	WESTRN PUBLIC DISTRIBUTIONS	R. L. Polk & Co.
	DISTRIBUTIONS	R. L. Polk & Co.
2000	H & H DISTRIBUTORS	Pacific Bell
	H & H DISTRIBUTORS	Pacific Bell
	WESTERN PUBLIC DISTRIBUTIONS	Pacific Bell
1996	H & H DISTRIBUTORS	PACIFIC BELL DIRECTORY
1992	H & H DISTRIBUTORS	PACIFIC BELL DIRECTORY
1991	Electricon	PACIFIC BELL WHITE PAGES
	H&H Distributor Inc	PACIFIC BELL WHITE PAGES
1986	H & H DISTRIBUTORS	PACIFIC BELL WHITE PAGES
	ELECTRICON	PACIFIC BELL WHITE PAGES
	Electricon	PACIFIC BELL WHITE PAGES
	Electricycle Chair	PACIFIC BELL WHITE PAGES
	E LE CTRO COATIN GS	PACIFIC BELL WHITE PAGES
1980	PETERSON LIFT TRUCK	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	PETERSON LIFT TRUCK DIVISION	Pacific Telephone

2937 ALVARADO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	NEW IMAGE HOME FURNISHINGS	Cole Information Services

2939 ALVARADO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	XXXX	R. L. Polk & Co.
	XXXX	Haines
1992	G & G SUPPLY INC	PACIFIC BELL DIRECTORY
1991	G&GSupply Inc	PACIFIC BELL WHITE PAGES
1986	G & G Supply Inc	PACIFIC BELL WHITE PAGES
	G & G SUPPLY INC	PACIFIC BELL WHITE PAGES
1980	G & G Supply Inc	Pacific Telephone
1975	G & G SUPPLY INT	Pacific Telephone

ALVARDO ST

2933 ALVARDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	H & H DISTRIBUTORS	Pacific Bell

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

2756 Alvarado Street

Address Not Identified in Research Source

2006, 1993, 1992, 1984, 1982, 1979, 1976, 1975, 1973, 1967, 1960, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 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

2650 ALVARADO ST

Address Not Identified in Research Source

2013, 2008, 2006, 1993, 1991, 1984, 1979, 1976, 1973, 1967, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

2650 ALVARADO ST

2013, 2006, 2002, 2000, 1996, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

2678 ALVARADO ST

2013, 2008, 2006, 2002, 2000, 1996, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1960, 1959, 1956, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

2689 ALVARADO ST

2013, 2008, 2006, 2002, 2000, 1996, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

2690 ALVARADO

2013, 2008, 2006, 2002, 2000, 1996, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

2690 ALVARADO ST

2006, 2002, 2000, 1996, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

2690 ALVARADO ST

2013, 2008, 2006, 1993, 1984, 1982, 1979, 1976, 1973, 1967, 1960, 1959, 1956, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

2711 ALVARADO ST

2013, 2008, 2006, 2002, 2000, 1996, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

2777 ALVARADO ROW

2013, 2008, 2006, 2002, 2000, 1996, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

2777 ALVARADO ST

2013, 2008, 2006, 1993, 1991, 1984, 1976, 1973, 1967, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

2777 ALVARADO ST

2006, 2002, 2000, 1996, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

FINDINGS

Address Researched

820 ALADDIN AVE

Address Not Identified in Research Source

2013, 2008, 2006, 1993, 1984, 1982, 1979, 1976, 1973, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

2756 Alvarado Street
2756 Alvarado Street
San Leandro, CA 94577

Inquiry Number: 4654092.3

June 22, 2016

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

06/22/16

Site Name:

2756 Alvarado Street
2756 Alvarado Street
San Leandro, CA 94577
EDR Inquiry # 4654092.3

Client Name:

WSP Parsons Brinckerhoff
2025 Gateway Place
San Jose, CA 95110
Contact: Stephanie Lee



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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 5F0C-40FC-A6F2

PO # NA

Project IPT San Leandro

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: 5F0C-40FC-A6F2

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- Library of Congress
- University Publications of America
- EDR Private Collection

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2756 Alvarado Street
2756 Alvarado Street
San Leandro, CA 94577

Inquiry Number: 4654092.4

June 22, 2016

EDR Historical Topo Map Report

with QuadMatch™



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Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

06/22/16

Site Name:

2756 Alvarado Street
2756 Alvarado Street
San Leandro, CA 94577
EDR Inquiry # 4654092.4

Client Name:

WSP Parsons Brinckerhoff
2025 Gateway Place
San Jose, CA 95110
Contact: Stephanie Lee



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by WSP Parsons Brinckerhoff 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. EDR's 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:**Coordinates:**

P.O.#	NA	Latitude:	37.709106 37° 42' 33" North
Project:	IPT San Leandro	Longitude:	-122.152919 -122° 9' 11" West
		UTM Zone:	Zone 10 North
		UTM X Meters:	574664.95
		UTM Y Meters:	4173878.13
		Elevation:	41.31' above sea level

Maps Provided:

2012	1915
1996	1899
1980	
1973	
1968	
1959	
1948, 1950	
1947	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



San Leandro
2012
7.5-minute, 24000

1996 Source Sheets



San Leandro
1996
7.5-minute, 24000
Aerial Photo Revised 1993
Edited 1996

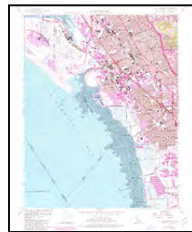


Hayward
1996
7.5-minute, 24000
Aerial Photo Revised 1993
Edited 1996

1980 Source Sheets



Hayward
1980
7.5-minute, 24000
Photo Revised 1980
Aerial Photo Revised 1979



San Leandro
1980
7.5-minute, 24000
Photo Revised 1980
Aerial Photo Revised 1979

1973 Source Sheets



San Leandro
1973
7.5-minute, 24000
Photo Revised 1973
Aerial Photo Revised 1973

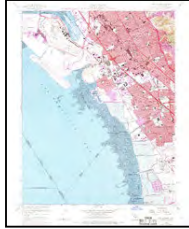


Hayward
1973
7.5-minute, 24000
Photo Revised 1973
Aerial Photo Revised 1973

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1968 Source Sheets

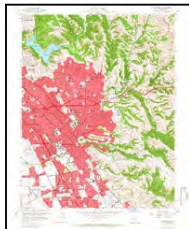


San Leandro
1968
7.5-minute, 24000
Photo Revised 1968
Aerial Photo Revised 1968



Hayward
1968
7.5-minute, 24000
Photo Revised 1968
Aerial Photo Revised 1968

1959 Source Sheets



Hayward
1959
7.5-minute, 24000
Aerial Photo Revised 1958

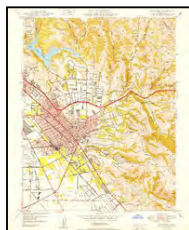


San Leandro
1959
7.5-minute, 24000
Aerial Photo Revised 1958

1948, 1950 Source Sheets



San Leandro
1948
7.5-minute, 24000



Hayward
1950
7.5-minute, 24000
Aerial Photo Revised 1946

1947 Source Sheets



San Leandro
1947
7.5-minute, 24000



Hayward
1947
7.5-minute, 24000
Aerial Photo Revised 1946

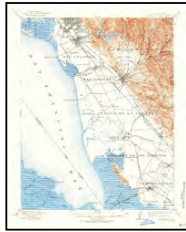
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1915 Source Sheets

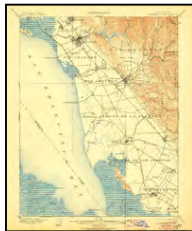


Haywards
1915
15-minute, 62500

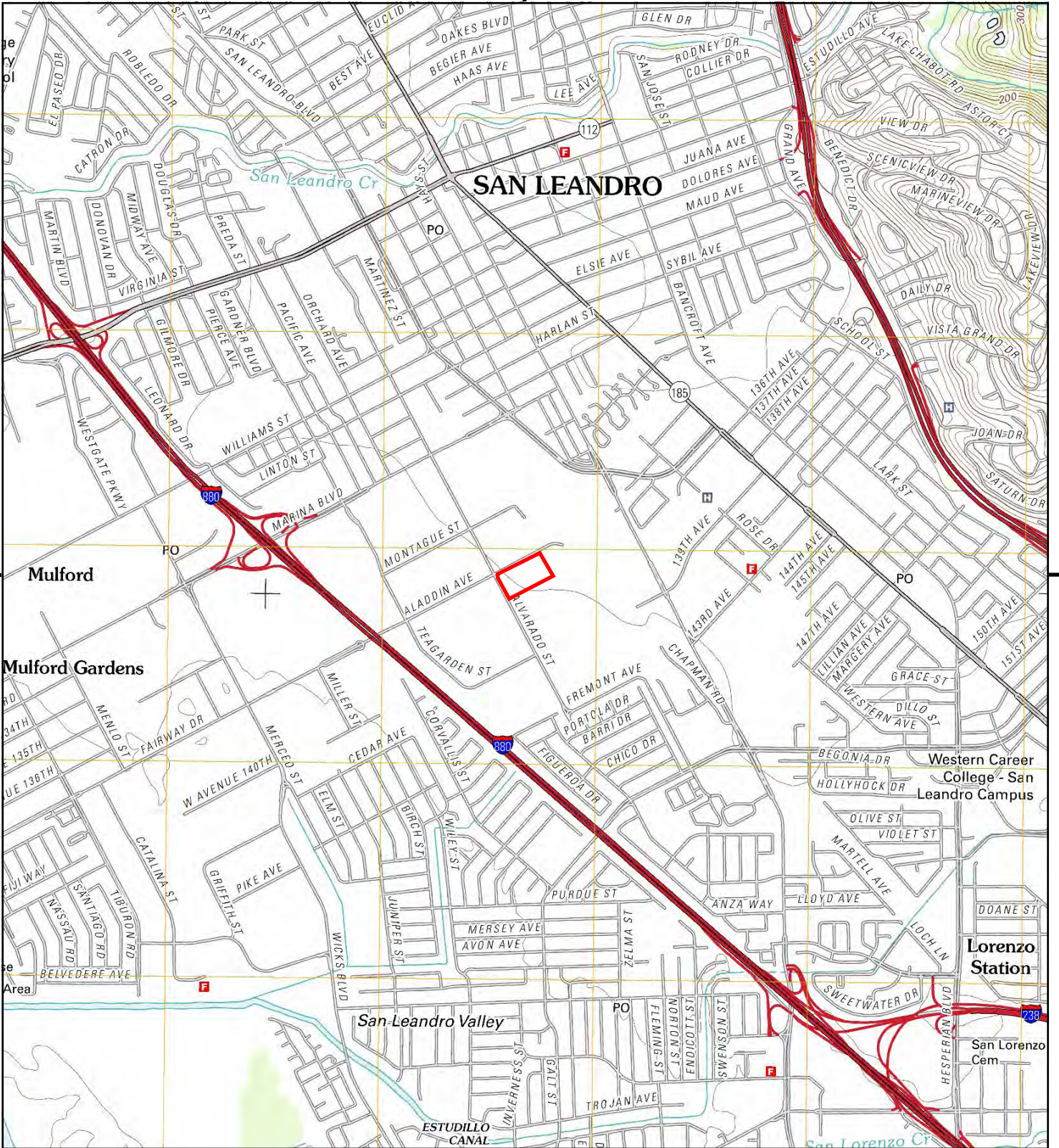


Hayward
1915
15-minute, 62500

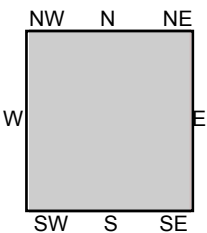
1899 Source Sheets



Haywards
1899
15-minute, 62500



This report includes information from the following map sheet(s).



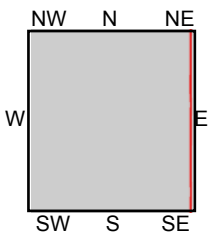
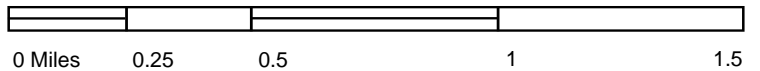
TP, San Leandro, 2012, 7.5-minute

SITE NAME: 2756 Alvarado Street
 ADDRESS: 2756 Alvarado Street
 San Leandro, CA 94577
 CLIENT: WSP Parsons Brinckerhoff





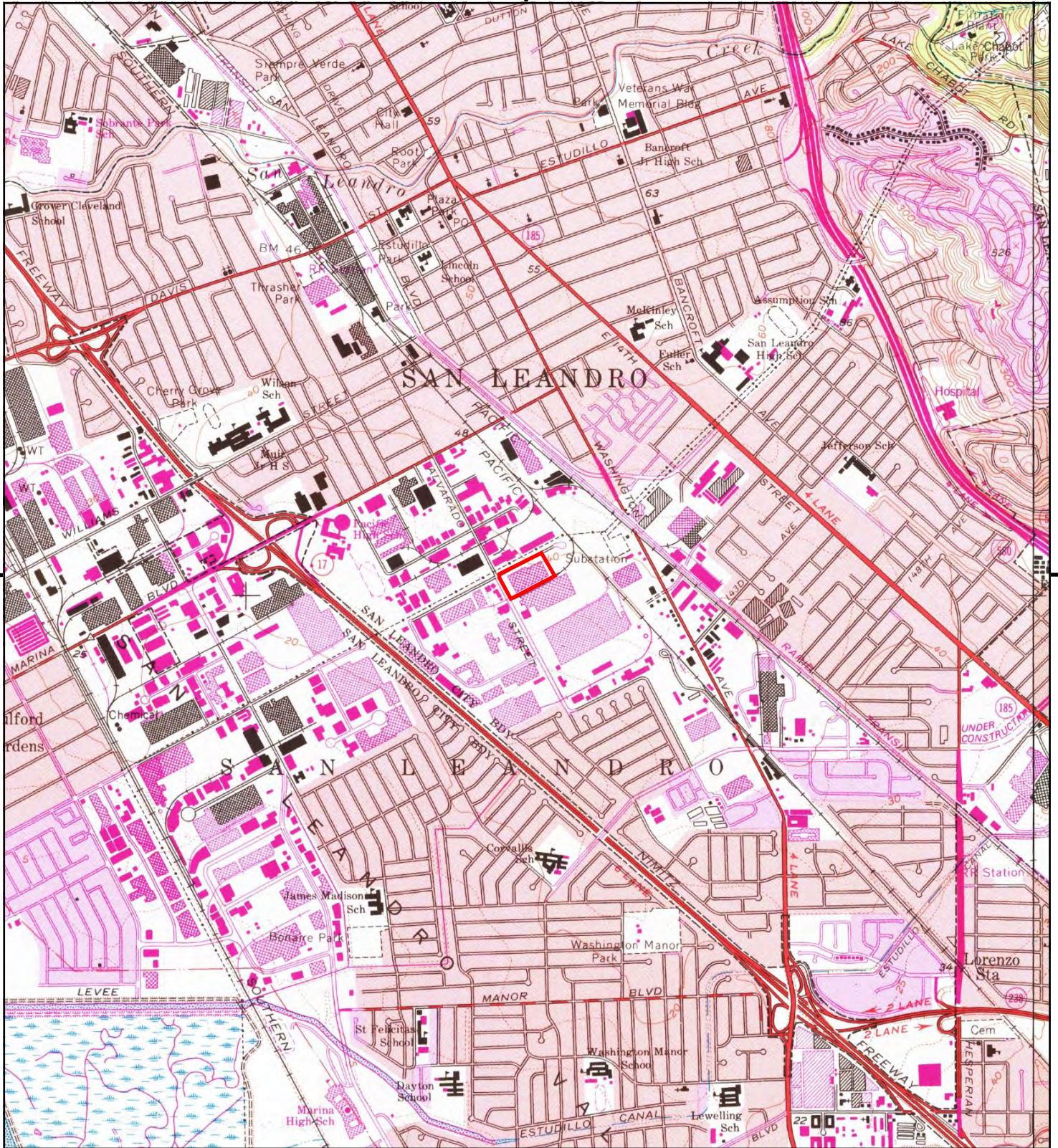
This report includes information from the following map sheet(s).



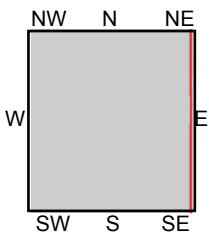
TP, San Leandro, 1996, 7.5-minute
E, Hayward, 1996, 7.5-minute

SITE NAME: 2756 Alvarado Street
ADDRESS: 2756 Alvarado Street
San Leandro, CA 94577
CLIENT: WSP Parsons Brinckerhoff





This report includes information from the following map sheet(s).



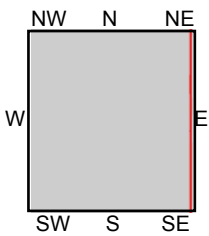
TP, San Leandro, 1980, 7.5-minute
E, Hayward, 1980, 7.5-minute

SITE NAME: 2756 Alvarado Street
ADDRESS: 2756 Alvarado Street
San Leandro, CA 94577
CLIENT: WSP Parsons Brinckerhoff





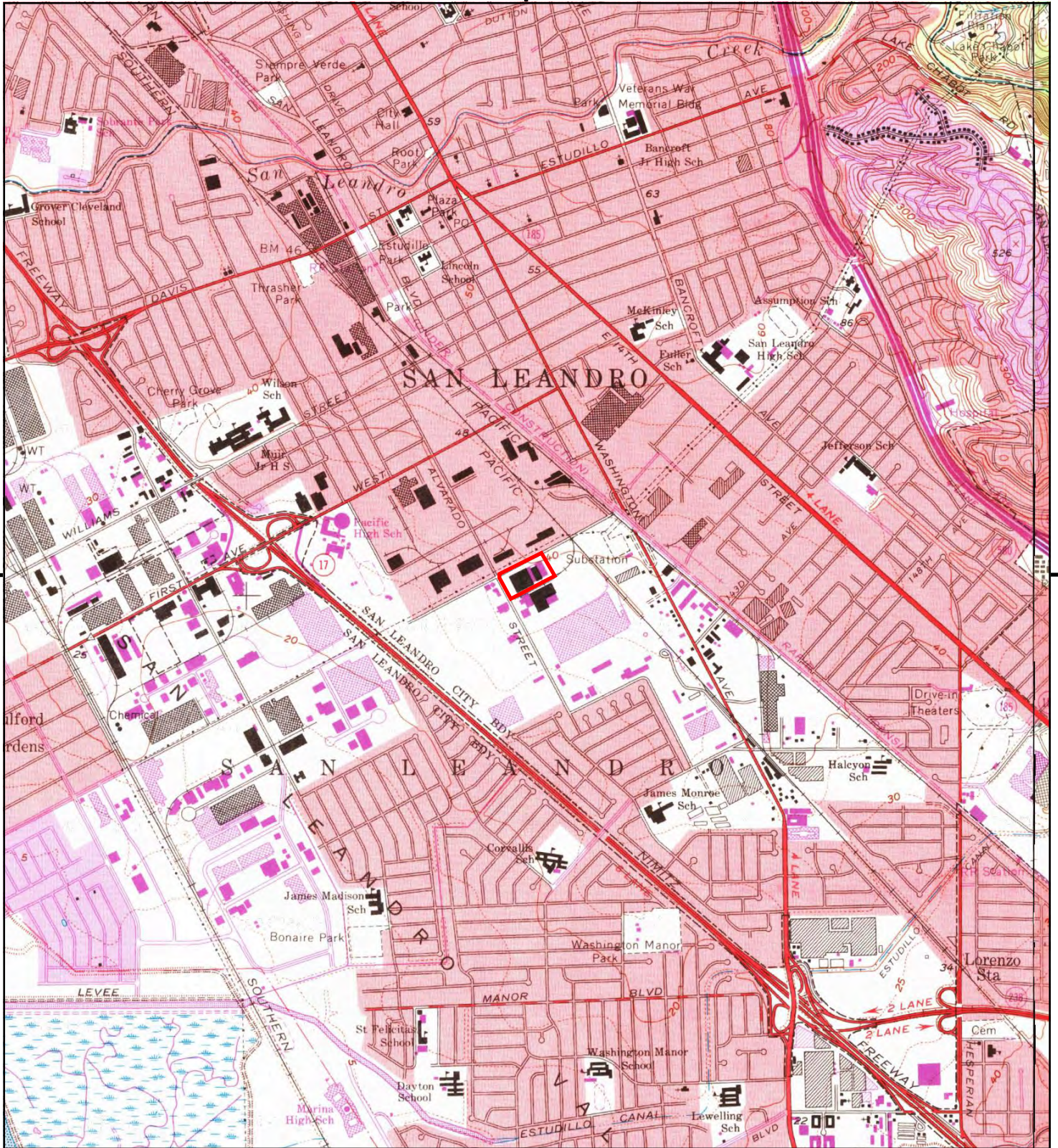
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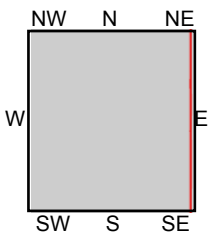
TP, San Leandro, 1973, 7.5-minute
E, Hayward, 1973, 7.5-minute

SITE NAME: 2756 Alvarado Street
ADDRESS: 2756 Alvarado Street
San Leandro, CA 94577
CLIENT: WSP Parsons Brinckerhoff





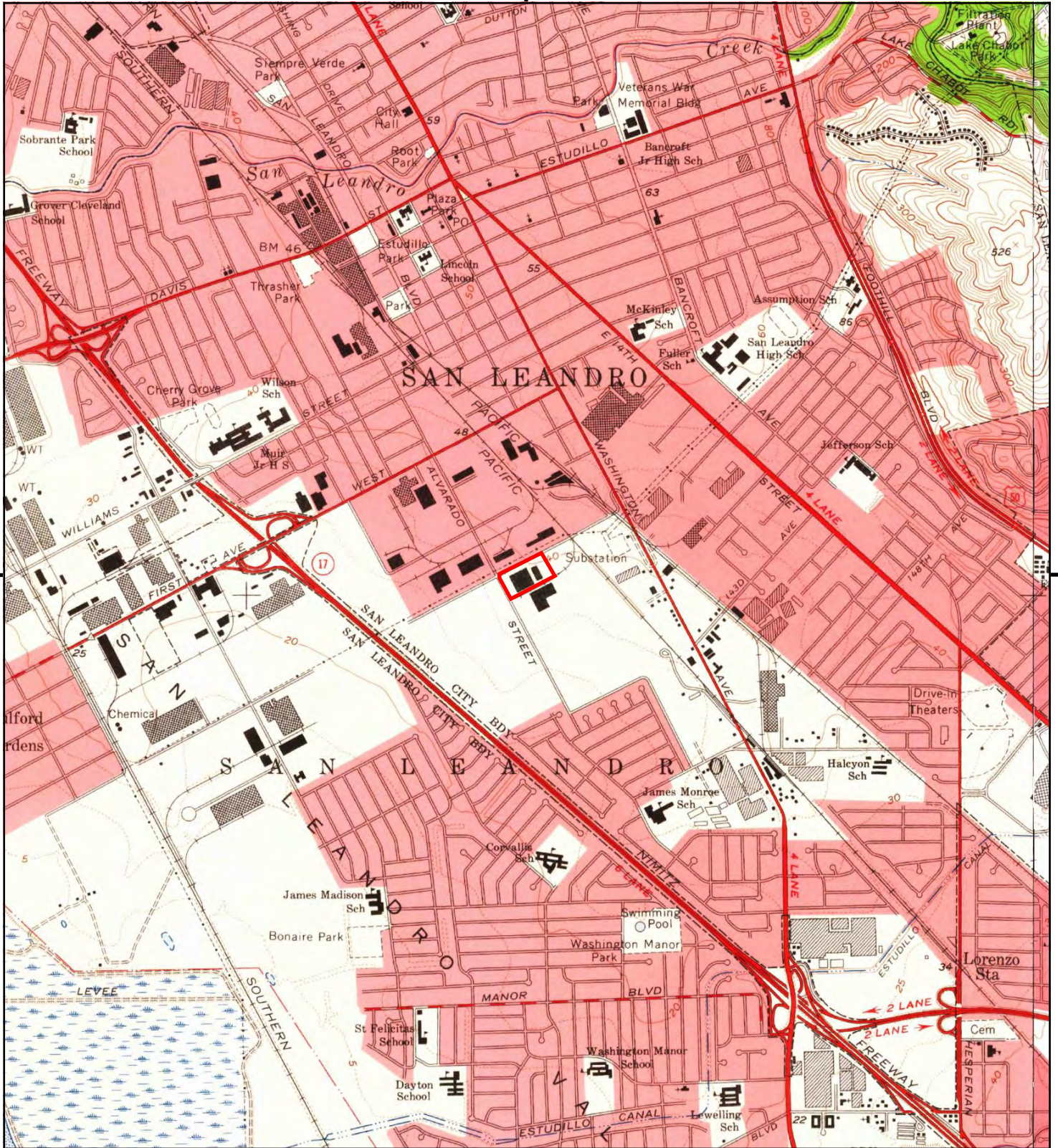
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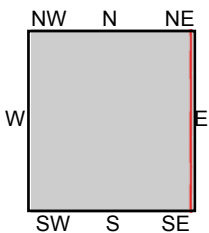
TP, San Leandro, 1968, 7.5-minute
E, Hayward, 1968, 7.5-minute

SITE NAME: 2756 Alvarado Street
ADDRESS: 2756 Alvarado Street
San Leandro, CA 94577
CLIENT: WSP Parsons Brinckerhoff





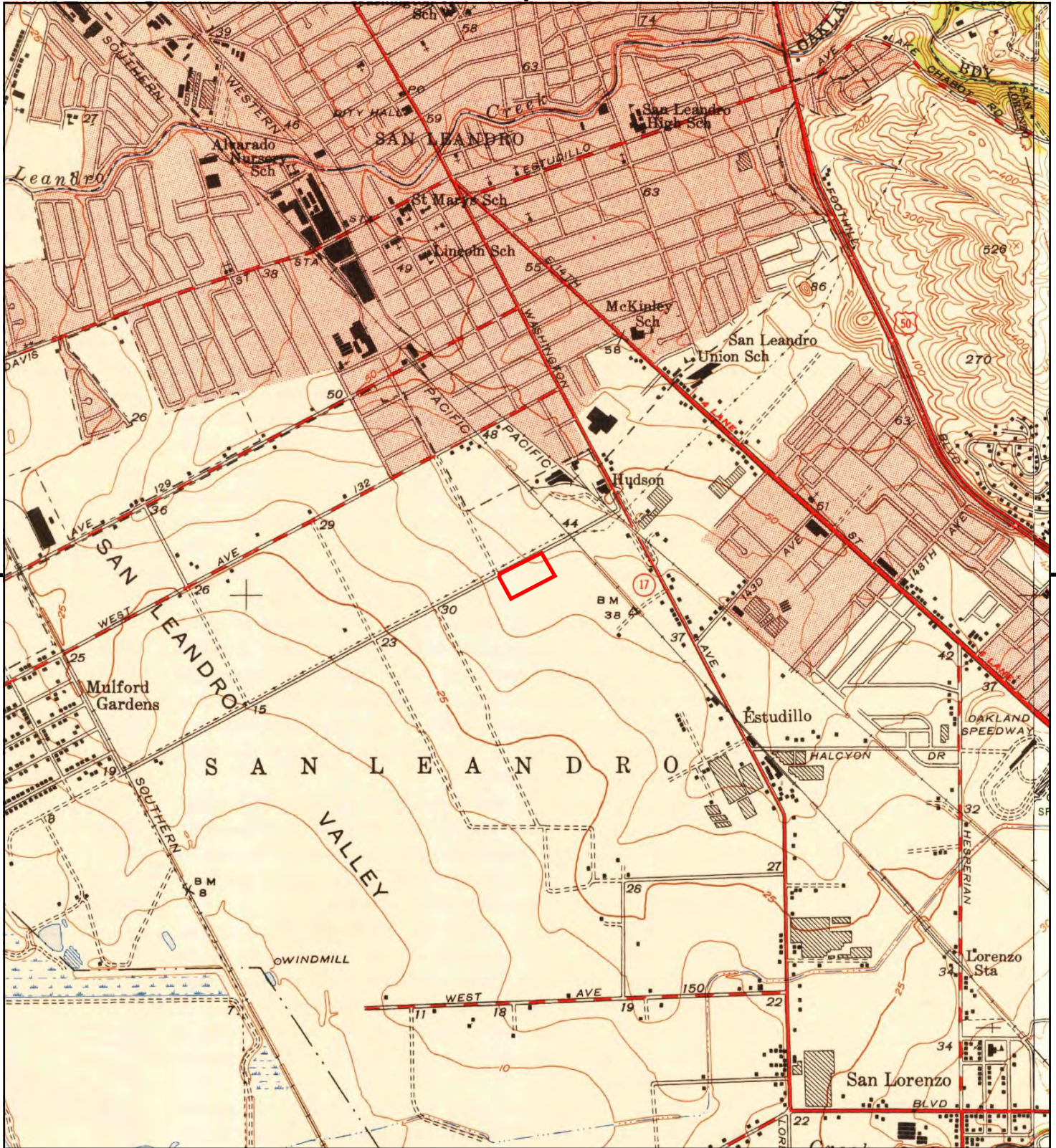
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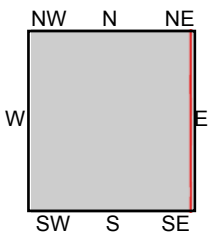
TP, San Leandro, 1959, 7.5-minute
E, Hayward, 1959, 7.5-minute

SITE NAME: 2756 Alvarado Street
ADDRESS: 2756 Alvarado Street
San Leandro, CA 94577
CLIENT: WSP Parsons Brinckerhoff





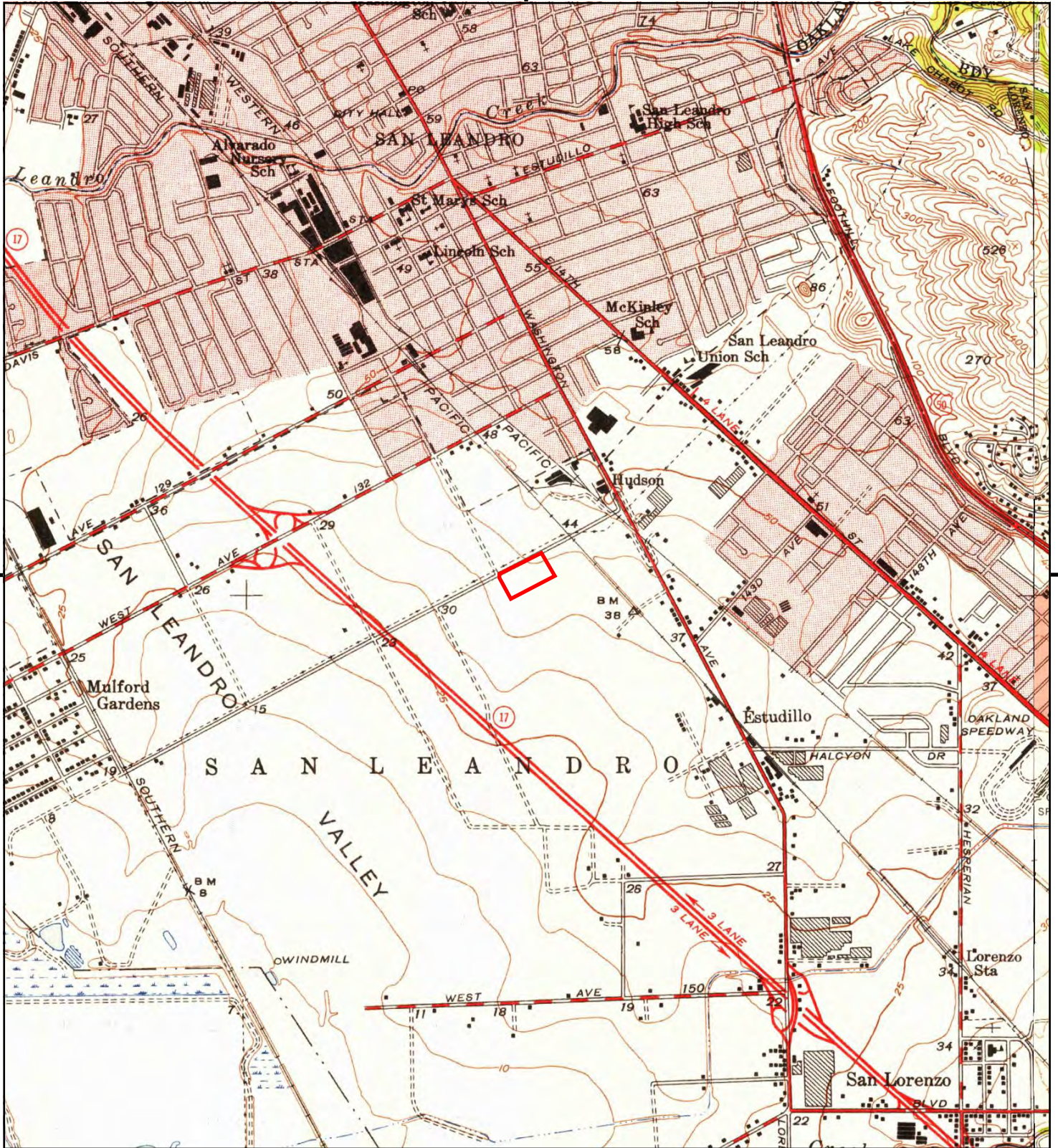
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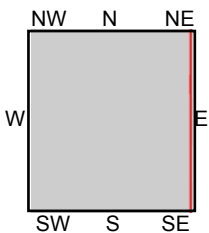
TP, San Leandro, 1948, 7.5-minute
E, Hayward, 1950, 7.5-minute

SITE NAME: 2756 Alvarado Street
ADDRESS: 2756 Alvarado Street
San Leandro, CA 94577
CLIENT: WSP Parsons Brinckerhoff





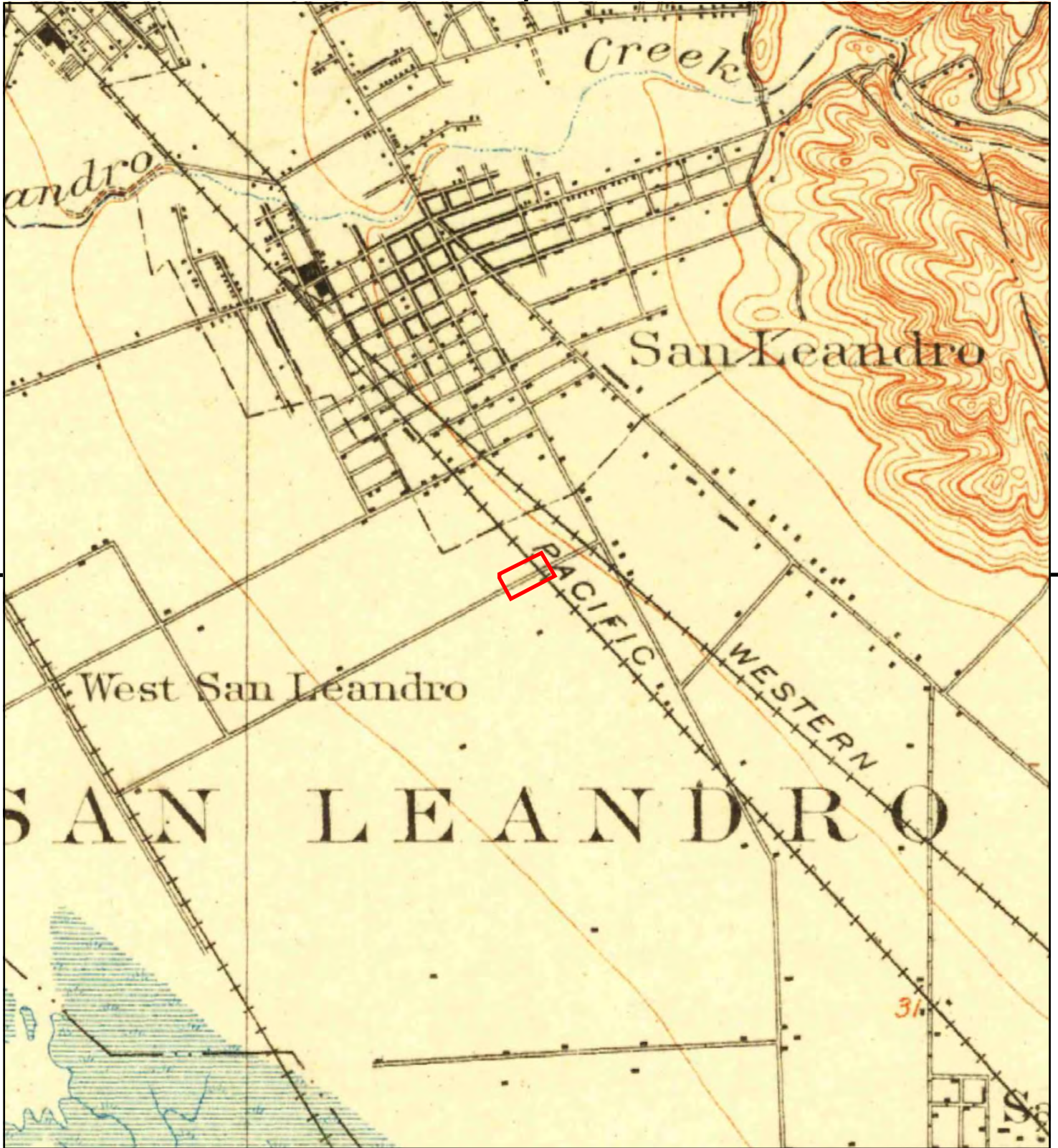
This report includes information from the following map sheet(s).



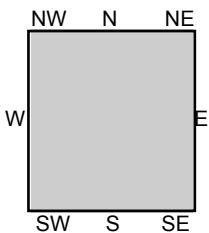
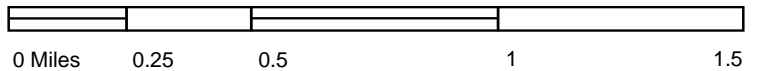
TP, San Leandro, 1947, 7.5-minute
E, Hayward, 1947, 7.5-minute

SITE NAME: 2756 Alvarado Street
ADDRESS: 2756 Alvarado Street
San Leandro, CA 94577
CLIENT: WSP Parsons Brinckerhoff





This report includes information from the following map sheet(s).



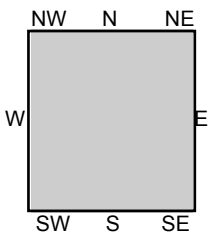
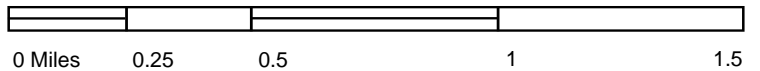
TP, Hayward, 1915, 15-minute
 TP, Hayward, 1915, 15-minute

SITE NAME: 2756 Alvarado Street
 ADDRESS: 2756 Alvarado Street
 San Leandro, CA 94577
 CLIENT: WSP Parsons Brinckerhoff





This report includes information from the following map sheet(s).



TP, Haywards, 1899, 15-minute

SITE NAME: 2756 Alvarado Street
ADDRESS: 2756 Alvarado Street
San Leandro, CA 94577
CLIENT: WSP Parsons Brinckerhoff



Appendix F – Electronic Communication from the Department of Toxic Substances Control

Mitton, Betsy

From: Shipp, Kevin@DTSC <Kevin.Shipp@dtsc.ca.gov>
Sent: Tuesday, September 20, 2016 12:07 PM
To: John Gregory
Cc: Mitton, Betsy; Toth, Karen@DTSC
Subject: RE: Information regarding US Can Co and DWA Plume in San Leandro

John,

The Department of Toxic Substances Control ("DTSC") considers the Imminent and Substantial Endangerment Determination, and Remedial Action Order, Docket # I&/SE 95/96-006, dated April 29, 1996, ("I/SE Order") for the property located at 2756 Alvarado Street in San Leandro (the "Site") to have been terminated and satisfied as of May 31, 2006. DTSC's May 31, 2006 letter to the Respondents named in the I/SE Order constitutes the "written notice from the Department that Respondents have complied with all the terms of the Order" referred to in Section 6.24 of the I/SE Order.

DTSC appreciates your clients willingness to grant DTSC future access to the Site to perform groundwater monitoring activities. DTSC will work with you to identify to appropriate agreement for allowing access (e.g. an access agreement, easement, or land use covenant).

Thank you.

D. Kevin Shipp
Senior Staff Counsel
Department of Toxic Substances Control
1001 I Street
Sacramento, CA 95814
Phone: (916) 322-4596
Email: Kevin.Shipp@dtsc.ca.gov

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From: John Gregory [mailto:JGregory@fbm.com]
Sent: Monday, September 19, 2016 12:51 PM
To: Shipp, Kevin@DTSC; Toth, Karen@DTSC
Cc: Mitton, Betsy
Subject: RE: Information regarding US Can Co and DWA Plume in San Leandro
Importance: High

Kevin and Karen – I wanted to follow up with you from our call with Kevin last Thursday with regard to the possible termination of the existing order and alternative use of an access agreement to give DTSC access to the existing onsite monitoring wells. Would either or both of you be available to talk further with me about this? I understand from my client that they need to make a "go-no go" decision on whether to proceed with the acquisition of this property by end of the day tomorrow. To that end, it is critical that we understand where DTSC stands on these issues. Many thanks.

Appendix G – Laboratory Report



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1609818

Report Created for: WSP USA Corp

2025 Gateway Place, #348 (3rd Floor Back of Buil
San Jose, CA 95110

Project Contact: Betsy Mitton

Project P.O.: 31400252-02

Project Name: 2756 Alvarado St.

Project Received: 09/19/2016

Analytical Report reviewed & approved for release on 09/21/2016 by:

Angela Rydelius,
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.





Glossary of Terms & Qualifier Definitions

Client: WSP USA Corp
Project: 2756 Alvarado St.
WorkOrder: 1609818

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

B	analyte detected in the associated Method Blank and in the sample
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.



Case Narrative

Client: WSP USA Corp
Project: 2756 Alvarado St.

Work Order: 1609818
September 21, 2016

TO-15 ANALYSIS

All summa canisters are EVACUATED 5 days after the reporting of the results. Please call or email if a longer retention time is required.

In an effort to attain the lowest reporting limits possible for the majority of the TO-15 target list, high level compounds may be analyzed using EPA Method 8260B.

Polymer (Tedlar) bags are not recommended for TO15 samples. The disadvantages are listed in Appendix B of the DTSC Active Soil Gas Advisory of July 2015.



Analytical Report

Client: WSP USA Corp
Date Received: 9/19/16 16:15
Date Prepared: 9/20/16
Project: 2756 Alvarado St.

WorkOrder: 1609818
Extraction Method: TO15
Analytical Method: TO15
Unit: µg/m³

Leak Check Compound

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SGP-1	1609818-001A	Water	09/19/2016 12:35	GC29	126907

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.78	25.51	AK

Analytes	Result	MDL	RL	DF	Date Analyzed
Isopropyl Alcohol	73,000	1200	10,000	200	09/20/2016 16:12

SGP-2	1609818-002A	Water	09/19/2016 13:12	GC29	126907
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Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.42	26.77	AK

Analytes	Result	MDL	RL	DF	Date Analyzed
Isopropyl Alcohol	140	5.8	50	1	09/20/2016 07:15

SGP-3	1609818-003A	Water	09/19/2016 13:43	GC29	126907
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Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.85	27.63	AK

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Isopropyl Alcohol	11	J	5.8	50	1	09/20/2016 08:00



Analytical Report

Client: WSP USA Corp
Date Received: 9/19/16 16:15
Date Prepared: 9/20/16
Project: 2756 Alvarado St.

WorkOrder: 1609818
Extraction Method: TO15
Analytical Method: TO15
Unit: µg/m³

Leak Check Compound

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SGP-4	1609818-004A	Water	09/19/2016 14:14	GC29	126907

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.31	26.52	AK

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Isopropyl Alcohol	24,000	1200	10,000	200	09/20/2016 16:57

SGP-5	1609818-005A	Water	09/19/2016 14:41	GC29	126907
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Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.08	26.09	AK

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Isopropyl Alcohol	290	5.8	50	1	09/20/2016 06:29

Angela Rydelius, Lab Manager



Analytical Report

Client: WSP USA Corp
Date Received: 9/19/16 16:15
Date Prepared: 9/20/16
Project: 2756 Alvarado St.

WorkOrder: 1609818
Extraction Method: TO15
Analytical Method: TO15
Unit: µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SGP-1	1609818-001A	Water	09/19/2016 12:35	GC29	126907

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.78	25.51	AK

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Acetone	610		5.3	60	1	09/20/2016 09:32
Acrolein	ND		0.23	5.8	1	09/20/2016 09:32
Acrylonitrile	ND		0.18	1.1	1	09/20/2016 09:32
tert-Amyl methyl ether (TAME)	ND		1.1	2.1	1	09/20/2016 09:32
Benzene	3.7		0.016	1.6	1	09/20/2016 09:32
Benzyl chloride	ND		0.26	2.6	1	09/20/2016 09:32
Bromodichloromethane	ND		0.014	3.5	1	09/20/2016 09:32
Bromoform	ND		0.58	5.2	1	09/20/2016 09:32
Bromomethane	0.49	J	0.30	2.0	1	09/20/2016 09:32
1,3-Butadiene	ND		0.25	1.1	1	09/20/2016 09:32
2-Butanone (MEK)	61	J	5.2	75	1	09/20/2016 09:32
t-Butyl alcohol (TBA)	ND		28	31	1	09/20/2016 09:32
Carbon Disulfide	8.1		0.22	1.6	1	09/20/2016 09:32
Carbon Tetrachloride	0.24	J	0.013	3.2	1	09/20/2016 09:32
Chlorobenzene	ND		0.12	2.4	1	09/20/2016 09:32
Chloroethane	ND		0.23	1.3	1	09/20/2016 09:32
Chloroform	ND		0.017	2.4	1	09/20/2016 09:32
Chloromethane	ND		0.13	1.0	1	09/20/2016 09:32
Cyclohexane	7.2	J	0.26	18	1	09/20/2016 09:32
Dibromochloromethane	ND		0.017	4.4	1	09/20/2016 09:32
1,2-Dibromo-3-chloropropane	ND		0.025	0.12	1	09/20/2016 09:32
1,2-Dibromoethane (EDB)	ND		0.012	3.9	1	09/20/2016 09:32
1,2-Dichlorobenzene	ND		0.40	3.0	1	09/20/2016 09:32
1,3-Dichlorobenzene	ND		0.31	3.0	1	09/20/2016 09:32
1,4-Dichlorobenzene	0.14	JB	0.015	3.0	1	09/20/2016 09:32
Dichlorodifluoromethane	3.0		0.25	2.5	1	09/20/2016 09:32
1,1-Dichloroethane	ND		0.72	2.0	1	09/20/2016 09:32
1,2-Dichloroethane (1,2-DCA)	ND		0.0060	2.0	1	09/20/2016 09:32
1,1-Dichloroethene	ND		0.38	2.0	1	09/20/2016 09:32
cis-1,2-Dichloroethene	ND		0.20	2.0	1	09/20/2016 09:32
trans-1,2-Dichloroethene	ND		0.14	2.0	1	09/20/2016 09:32
1,2-Dichloropropane	ND		0.0090	2.4	1	09/20/2016 09:32
cis-1,3-Dichloropropene	ND		0.0070	2.3	1	09/20/2016 09:32

(Cont.)

 Angela Rydelius, Lab Manager



Analytical Report

Client: WSP USA Corp
Date Received: 9/19/16 16:15
Date Prepared: 9/20/16
Project: 2756 Alvarado St.

WorkOrder: 1609818
Extraction Method: TO15
Analytical Method: TO15
Unit: µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SGP-1	1609818-001A	Water	09/19/2016 12:35	GC29	126907

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.78	25.51	AK

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
trans-1,3-Dichloropropene	ND		0.46	2.3	1	09/20/2016 09:32
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.36	3.6	1	09/20/2016 09:32
Diisopropyl ether (DIPE)	ND		0.17	2.1	1	09/20/2016 09:32
1,4-Dioxane	ND		0.0050	1.8	1	09/20/2016 09:32
Ethanol	ND		5.8	96	1	09/20/2016 09:32
Ethyl acetate	ND		0.15	1.8	1	09/20/2016 09:32
Ethyl tert-butyl ether (ETBE)	ND		0.68	2.1	1	09/20/2016 09:32
Ethylbenzene	1.2	J	0.18	2.2	1	09/20/2016 09:32
4-Ethyltoluene	ND		0.18	2.5	1	09/20/2016 09:32
Freon 113	0.79	J	0.31	3.9	1	09/20/2016 09:32
Heptane	6.7	J	0.15	21	1	09/20/2016 09:32
Hexachlorobutadiene	ND		0.38	5.4	1	09/20/2016 09:32
Hexane	20		0.23	18	1	09/20/2016 09:32
2-Hexanone	10		0.17	2.1	1	09/20/2016 09:32
4-Methyl-2-pentanone (MIBK)	1.8	J	0.21	2.1	1	09/20/2016 09:32
Methyl-t-butyl ether (MTBE)	ND		0.42	1.8	1	09/20/2016 09:32
Methylene chloride	0.83	J	0.32	8.8	1	09/20/2016 09:32
Methyl methacrylate	ND		0.21	2.1	1	09/20/2016 09:32
Naphthalene	18		0.043	5.3	1	09/20/2016 09:32
Propene	310		8.8	88	1	09/20/2016 09:32
Styrene	0.41	J	0.17	2.2	1	09/20/2016 09:32
1,1,1,2-Tetrachloroethane	ND		0.010	3.5	1	09/20/2016 09:32
1,1,2,2-Tetrachloroethane	ND		0.031	3.5	1	09/20/2016 09:32
Tetrachloroethene	3.6		0.014	3.4	1	09/20/2016 09:32
Tetrahydrofuran	ND		0.16	3.0	1	09/20/2016 09:32
Toluene	8.8		0.15	1.9	1	09/20/2016 09:32
1,2,4-Trichlorobenzene	ND		0.45	3.8	1	09/20/2016 09:32
1,1,1-Trichloroethane	ND		0.50	2.8	1	09/20/2016 09:32
1,1,2-Trichloroethane	ND		0.014	2.8	1	09/20/2016 09:32
Trichloroethene	0.55	J	0.027	2.8	1	09/20/2016 09:32
Trichlorofluoromethane	1.5	J	0.34	2.8	1	09/20/2016 09:32
1,2,4-Trimethylbenzene	1.1	J	0.22	2.5	1	09/20/2016 09:32
1,3,5-Trimethylbenzene	ND		0.30	2.5	1	09/20/2016 09:32

(Cont.)

 Angela Rydelius, Lab Manager



Analytical Report

Client: WSP USA Corp
Date Received: 9/19/16 16:15
Date Prepared: 9/20/16
Project: 2756 Alvarado St.

WorkOrder: 1609818
Extraction Method: TO15
Analytical Method: TO15
Unit: µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SGP-1	1609818-001A	Water	09/19/2016 12:35	GC29	126907

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.78	25.51	AK

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Vinyl Acetate	2.5	J	0.61	18	1	09/20/2016 09:32
Vinyl Chloride	ND		0.0080	1.3	1	09/20/2016 09:32
Xylenes, Total	5.1	J	0.40	6.6	1	09/20/2016 09:32
Surrogates	REC (%)			Limits		
1,2-DCA-d4	101			70-130	09/20/2016 09:32	
Toluene-d8	91			70-130	09/20/2016 09:32	
4-BFB	101			70-130	09/20/2016 09:32	



Analytical Report

Client: WSP USA Corp
Date Received: 9/19/16 16:15
Date Prepared: 9/20/16
Project: 2756 Alvarado St.

WorkOrder: 1609818
Extraction Method: TO15
Analytical Method: TO15
Unit: µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SGP-2	1609818-002A	Water	09/19/2016 13:12	GC29	126907

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.42	26.77	AK

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Acetone	170		5.3	60	1	09/20/2016 07:15
Acrolein	ND		0.23	5.8	1	09/20/2016 07:15
Acrylonitrile	ND		0.18	1.1	1	09/20/2016 07:15
tert-Amyl methyl ether (TAME)	ND		1.1	2.1	1	09/20/2016 07:15
Benzene	10		0.016	1.6	1	09/20/2016 07:15
Benzyl chloride	ND		0.26	2.6	1	09/20/2016 07:15
Bromodichloromethane	ND		0.014	3.5	1	09/20/2016 07:15
Bromoform	ND		0.58	5.2	1	09/20/2016 07:15
Bromomethane	1.3	J	0.30	2.0	1	09/20/2016 07:15
1,3-Butadiene	ND		0.25	1.1	1	09/20/2016 07:15
2-Butanone (MEK)	120		5.2	75	1	09/20/2016 07:15
t-Butyl alcohol (TBA)	ND		28	31	1	09/20/2016 07:15
Carbon Disulfide	6.0		0.22	1.6	1	09/20/2016 07:15
Carbon Tetrachloride	ND		0.013	3.2	1	09/20/2016 07:15
Chlorobenzene	ND		0.12	2.4	1	09/20/2016 07:15
Chloroethane	ND		0.23	1.3	1	09/20/2016 07:15
Chloroform	3.4		0.017	2.4	1	09/20/2016 07:15
Chloromethane	ND		0.13	1.0	1	09/20/2016 07:15
Cyclohexane	9.6	J	0.26	18	1	09/20/2016 07:15
Dibromochloromethane	ND		0.017	4.4	1	09/20/2016 07:15
1,2-Dibromo-3-chloropropane	ND		0.025	0.12	1	09/20/2016 07:15
1,2-Dibromoethane (EDB)	ND		0.012	3.9	1	09/20/2016 07:15
1,2-Dichlorobenzene	ND		0.40	3.0	1	09/20/2016 07:15
1,3-Dichlorobenzene	ND		0.31	3.0	1	09/20/2016 07:15
1,4-Dichlorobenzene	0.18	JB	0.015	3.0	1	09/20/2016 07:15
Dichlorodifluoromethane	2.8		0.25	2.5	1	09/20/2016 07:15
1,1-Dichloroethane	ND		0.72	2.0	1	09/20/2016 07:15
1,2-Dichloroethane (1,2-DCA)	ND		0.0060	2.0	1	09/20/2016 07:15
1,1-Dichloroethene	ND		0.38	2.0	1	09/20/2016 07:15
cis-1,2-Dichloroethene	ND		0.20	2.0	1	09/20/2016 07:15
trans-1,2-Dichloroethene	ND		0.14	2.0	1	09/20/2016 07:15
1,2-Dichloropropane	ND		0.0090	2.4	1	09/20/2016 07:15
cis-1,3-Dichloropropene	ND		0.0070	2.3	1	09/20/2016 07:15

(Cont.)

 Angela Rydelius, Lab Manager



Analytical Report

Client: WSP USA Corp
Date Received: 9/19/16 16:15
Date Prepared: 9/20/16
Project: 2756 Alvarado St.

WorkOrder: 1609818
Extraction Method: TO15
Analytical Method: TO15
Unit: µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SGP-2	1609818-002A	Water	09/19/2016 13:12	GC29	126907

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.42	26.77	AK

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
trans-1,3-Dichloropropene	ND		0.46	2.3	1	09/20/2016 07:15
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.36	3.6	1	09/20/2016 07:15
Diisopropyl ether (DIPE)	ND		0.17	2.1	1	09/20/2016 07:15
1,4-Dioxane	ND		0.0050	1.8	1	09/20/2016 07:15
Ethanol	9.5	J	5.8	96	1	09/20/2016 07:15
Ethyl acetate	ND		0.15	1.8	1	09/20/2016 07:15
Ethyl tert-butyl ether (ETBE)	ND		0.68	2.1	1	09/20/2016 07:15
Ethylbenzene	5.1		0.18	2.2	1	09/20/2016 07:15
4-Ethyltoluene	2.9		0.18	2.5	1	09/20/2016 07:15
Freon 113	21		0.31	3.9	1	09/20/2016 07:15
Heptane	12	J	0.15	21	1	09/20/2016 07:15
Hexachlorobutadiene	ND		0.38	5.4	1	09/20/2016 07:15
Hexane	10	J	0.23	18	1	09/20/2016 07:15
2-Hexanone	21		0.17	2.1	1	09/20/2016 07:15
4-Methyl-2-pentanone (MIBK)	5.9		0.21	2.1	1	09/20/2016 07:15
Methyl-t-butyl ether (MTBE)	ND		0.42	1.8	1	09/20/2016 07:15
Methylene chloride	12		0.32	8.8	1	09/20/2016 07:15
Methyl methacrylate	ND		0.21	2.1	1	09/20/2016 07:15
Naphthalene	110		0.043	5.3	1	09/20/2016 07:15
Propene	48	J	8.8	88	1	09/20/2016 07:15
Styrene	2.2	J	0.17	2.2	1	09/20/2016 07:15
1,1,1,2-Tetrachloroethane	ND		0.010	3.5	1	09/20/2016 07:15
1,1,2,2-Tetrachloroethane	ND		0.031	3.5	1	09/20/2016 07:15
Tetrachloroethene	300		0.014	3.4	1	09/20/2016 07:15
Tetrahydrofuran	ND		0.16	3.0	1	09/20/2016 07:15
Toluene	20		0.15	1.9	1	09/20/2016 07:15
1,2,4-Trichlorobenzene	ND		0.45	3.8	1	09/20/2016 07:15
1,1,1-Trichloroethane	1.7	J	0.50	2.8	1	09/20/2016 07:15
1,1,2-Trichloroethane	ND		0.014	2.8	1	09/20/2016 07:15
Trichloroethene	30		0.027	2.8	1	09/20/2016 07:15
Trichlorofluoromethane	1.3	J	0.34	2.8	1	09/20/2016 07:15
1,2,4-Trimethylbenzene	6.9		0.22	2.5	1	09/20/2016 07:15
1,3,5-Trimethylbenzene	2.9		0.30	2.5	1	09/20/2016 07:15

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 Angela Rydelius, Lab Manager



Analytical Report

Client: WSP USA Corp
Date Received: 9/19/16 16:15
Date Prepared: 9/20/16
Project: 2756 Alvarado St.

WorkOrder: 1609818
Extraction Method: TO15
Analytical Method: TO15
Unit: µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SGP-2	1609818-002A	Water	09/19/2016 13:12	GC29	126907

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.42	26.77	AK

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Vinyl Acetate	ND		0.61	18	1	09/20/2016 07:15
Vinyl Chloride	ND		0.0080	1.3	1	09/20/2016 07:15
Xylenes, Total	24		0.40	6.6	1	09/20/2016 07:15
Surrogates	REC (%)			Limits		
1,2-DCA-d4	121			70-130		09/20/2016 07:15
Toluene-d8	91			70-130		09/20/2016 07:15
4-BFB	102			70-130		09/20/2016 07:15



Analytical Report

Client: WSP USA Corp
Date Received: 9/19/16 16:15
Date Prepared: 9/20/16
Project: 2756 Alvarado St.

WorkOrder: 1609818
Extraction Method: TO15
Analytical Method: TO15
Unit: µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SGP-3	1609818-003A	Water	09/19/2016 13:43	GC29	126907

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.85	27.63	AK

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Acetone	130		5.3	60	1	09/20/2016 08:00
Acrolein	ND		0.23	5.8	1	09/20/2016 08:00
Acrylonitrile	ND		0.18	1.1	1	09/20/2016 08:00
tert-Amyl methyl ether (TAME)	ND		1.1	2.1	1	09/20/2016 08:00
Benzene	3.1		0.016	1.6	1	09/20/2016 08:00
Benzyl chloride	ND		0.26	2.6	1	09/20/2016 08:00
Bromodichloromethane	ND		0.014	3.5	1	09/20/2016 08:00
Bromoform	ND		0.58	5.2	1	09/20/2016 08:00
Bromomethane	0.85	J	0.30	2.0	1	09/20/2016 08:00
1,3-Butadiene	ND		0.25	1.1	1	09/20/2016 08:00
2-Butanone (MEK)	48	J	5.2	75	1	09/20/2016 08:00
t-Butyl alcohol (TBA)	ND		28	31	1	09/20/2016 08:00
Carbon Disulfide	1.3	J	0.22	1.6	1	09/20/2016 08:00
Carbon Tetrachloride	0.10	J	0.013	3.2	1	09/20/2016 08:00
Chlorobenzene	ND		0.12	2.4	1	09/20/2016 08:00
Chloroethane	ND		0.23	1.3	1	09/20/2016 08:00
Chloroform	0.14	JB	0.017	2.4	1	09/20/2016 08:00
Chloromethane	ND		0.13	1.0	1	09/20/2016 08:00
Cyclohexane	3.5	J	0.26	18	1	09/20/2016 08:00
Dibromochloromethane	ND		0.017	4.4	1	09/20/2016 08:00
1,2-Dibromo-3-chloropropane	ND		0.025	0.12	1	09/20/2016 08:00
1,2-Dibromoethane (EDB)	ND		0.012	3.9	1	09/20/2016 08:00
1,2-Dichlorobenzene	ND		0.40	3.0	1	09/20/2016 08:00
1,3-Dichlorobenzene	ND		0.31	3.0	1	09/20/2016 08:00
1,4-Dichlorobenzene	0.15	JB	0.015	3.0	1	09/20/2016 08:00
Dichlorodifluoromethane	2.5		0.25	2.5	1	09/20/2016 08:00
1,1-Dichloroethane	ND		0.72	2.0	1	09/20/2016 08:00
1,2-Dichloroethane (1,2-DCA)	ND		0.0060	2.0	1	09/20/2016 08:00
1,1-Dichloroethene	ND		0.38	2.0	1	09/20/2016 08:00
cis-1,2-Dichloroethene	ND		0.20	2.0	1	09/20/2016 08:00
trans-1,2-Dichloroethene	ND		0.14	2.0	1	09/20/2016 08:00
1,2-Dichloropropane	ND		0.0090	2.4	1	09/20/2016 08:00
cis-1,3-Dichloropropene	ND		0.0070	2.3	1	09/20/2016 08:00

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 Angela Rydelius, Lab Manager



Analytical Report

Client: WSP USA Corp
Date Received: 9/19/16 16:15
Date Prepared: 9/20/16
Project: 2756 Alvarado St.

WorkOrder: 1609818
Extraction Method: TO15
Analytical Method: TO15
Unit: µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SGP-3	1609818-003A	Water	09/19/2016 13:43	GC29	126907

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.85	27.63	AK

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
trans-1,3-Dichloropropene	ND		0.46	2.3	1	09/20/2016 08:00
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.36	3.6	1	09/20/2016 08:00
Diisopropyl ether (DIPE)	ND		0.17	2.1	1	09/20/2016 08:00
1,4-Dioxane	ND		0.0050	1.8	1	09/20/2016 08:00
Ethanol	8.2	J	5.8	96	1	09/20/2016 08:00
Ethyl acetate	ND		0.15	1.8	1	09/20/2016 08:00
Ethyl tert-butyl ether (ETBE)	ND		0.68	2.1	1	09/20/2016 08:00
Ethylbenzene	2.3		0.18	2.2	1	09/20/2016 08:00
4-Ethyltoluene	2.1	J	0.18	2.5	1	09/20/2016 08:00
Freon 113	2.4	J	0.31	3.9	1	09/20/2016 08:00
Heptane	3.8	J	0.15	21	1	09/20/2016 08:00
Hexachlorobutadiene	ND		0.38	5.4	1	09/20/2016 08:00
Hexane	3.3	J	0.23	18	1	09/20/2016 08:00
2-Hexanone	11		0.17	2.1	1	09/20/2016 08:00
4-Methyl-2-pentanone (MIBK)	4.3		0.21	2.1	1	09/20/2016 08:00
Methyl-t-butyl ether (MTBE)	ND		0.42	1.8	1	09/20/2016 08:00
Methylene chloride	9.2		0.32	8.8	1	09/20/2016 08:00
Methyl methacrylate	ND		0.21	2.1	1	09/20/2016 08:00
Naphthalene	72		0.043	5.3	1	09/20/2016 08:00
Propene	22	J	8.8	88	1	09/20/2016 08:00
Styrene	1.2	J	0.17	2.2	1	09/20/2016 08:00
1,1,1,2-Tetrachloroethane	ND		0.010	3.5	1	09/20/2016 08:00
1,1,2,2-Tetrachloroethane	ND		0.031	3.5	1	09/20/2016 08:00
Tetrachloroethene	470		0.014	3.4	1	09/20/2016 08:00
Tetrahydrofuran	2.2	JB	0.16	3.0	1	09/20/2016 08:00
Toluene	8.1		0.15	1.9	1	09/20/2016 08:00
1,2,4-Trichlorobenzene	ND		0.45	3.8	1	09/20/2016 08:00
1,1,1-Trichloroethane	0.98	J	0.50	2.8	1	09/20/2016 08:00
1,1,2-Trichloroethane	ND		0.014	2.8	1	09/20/2016 08:00
Trichloroethene	0.99	J	0.027	2.8	1	09/20/2016 08:00
Trichlorofluoromethane	1.4	J	0.34	2.8	1	09/20/2016 08:00
1,2,4-Trimethylbenzene	4.1		0.22	2.5	1	09/20/2016 08:00
1,3,5-Trimethylbenzene	1.4	J	0.30	2.5	1	09/20/2016 08:00

(Cont.)

 Angela Rydelius, Lab Manager



Analytical Report

Client: WSP USA Corp
Date Received: 9/19/16 16:15
Date Prepared: 9/20/16
Project: 2756 Alvarado St.

WorkOrder: 1609818
Extraction Method: TO15
Analytical Method: TO15
Unit: µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SGP-3	1609818-003A	Water	09/19/2016 13:43	GC29	126907

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.85	27.63	AK

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Vinyl Acetate	ND		0.61	18	1	09/20/2016 08:00
Vinyl Chloride	ND		0.0080	1.3	1	09/20/2016 08:00
Xylenes, Total	13		0.40	6.6	1	09/20/2016 08:00
Surrogates	REC (%)			Limits		
1,2-DCA-d4	114			70-130		09/20/2016 08:00
Toluene-d8	91			70-130		09/20/2016 08:00
4-BFB	103			70-130		09/20/2016 08:00



Analytical Report

Client: WSP USA Corp
Date Received: 9/19/16 16:15
Date Prepared: 9/20/16
Project: 2756 Alvarado St.

WorkOrder: 1609818
Extraction Method: TO15
Analytical Method: TO15
Unit: µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SGP-4	1609818-004A	Water	09/19/2016 14:14	GC29	126907

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.31	26.52	AK

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Acetone	690		5.3	60	1	09/20/2016 08:46
Acrolein	ND		0.23	5.8	1	09/20/2016 08:46
Acrylonitrile	ND		0.18	1.1	1	09/20/2016 08:46
tert-Amyl methyl ether (TAME)	ND		1.1	2.1	1	09/20/2016 08:46
Benzene	26		0.016	1.6	1	09/20/2016 08:46
Benzyl chloride	ND		0.26	2.6	1	09/20/2016 08:46
Bromodichloromethane	ND		0.014	3.5	1	09/20/2016 08:46
Bromoform	ND		0.58	5.2	1	09/20/2016 08:46
Bromomethane	0.87	J	0.30	2.0	1	09/20/2016 08:46
1,3-Butadiene	ND		0.25	1.1	1	09/20/2016 08:46
2-Butanone (MEK)	160		5.2	75	1	09/20/2016 08:46
t-Butyl alcohol (TBA)	ND		28	31	1	09/20/2016 08:46
Carbon Disulfide	4.2		0.22	1.6	1	09/20/2016 08:46
Carbon Tetrachloride	ND		0.013	3.2	1	09/20/2016 08:46
Chlorobenzene	3.6		0.12	2.4	1	09/20/2016 08:46
Chloroethane	ND		0.23	1.3	1	09/20/2016 08:46
Chloroform	2.7		0.017	2.4	1	09/20/2016 08:46
Chloromethane	ND		0.13	1.0	1	09/20/2016 08:46
Cyclohexane	28		0.26	18	1	09/20/2016 08:46
Dibromochloromethane	ND		0.017	4.4	1	09/20/2016 08:46
1,2-Dibromo-3-chloropropane	ND		0.025	0.12	1	09/20/2016 08:46
1,2-Dibromoethane (EDB)	ND		0.012	3.9	1	09/20/2016 08:46
1,2-Dichlorobenzene	ND		0.40	3.0	1	09/20/2016 08:46
1,3-Dichlorobenzene	ND		0.31	3.0	1	09/20/2016 08:46
1,4-Dichlorobenzene	0.12	JB	0.015	3.0	1	09/20/2016 08:46
Dichlorodifluoromethane	2.7		0.25	2.5	1	09/20/2016 08:46
1,1-Dichloroethane	ND		0.72	2.0	1	09/20/2016 08:46
1,2-Dichloroethane (1,2-DCA)	ND		0.0060	2.0	1	09/20/2016 08:46
1,1-Dichloroethene	ND		0.38	2.0	1	09/20/2016 08:46
cis-1,2-Dichloroethene	ND		0.20	2.0	1	09/20/2016 08:46
trans-1,2-Dichloroethene	ND		0.14	2.0	1	09/20/2016 08:46
1,2-Dichloropropane	ND		0.0090	2.4	1	09/20/2016 08:46
cis-1,3-Dichloropropene	ND		0.0070	2.3	1	09/20/2016 08:46

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 Angela Rydelius, Lab Manager



Analytical Report

Client: WSP USA Corp
Date Received: 9/19/16 16:15
Date Prepared: 9/20/16
Project: 2756 Alvarado St.

WorkOrder: 1609818
Extraction Method: TO15
Analytical Method: TO15
Unit: µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SGP-4	1609818-004A	Water	09/19/2016 14:14	GC29	126907

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.31	26.52	AK

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
trans-1,3-Dichloropropene	ND		0.46	2.3	1	09/20/2016 08:46
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.36	3.6	1	09/20/2016 08:46
Diisopropyl ether (DIPE)	ND		0.17	2.1	1	09/20/2016 08:46
1,4-Dioxane	ND		0.0050	1.8	1	09/20/2016 08:46
Ethanol	27	J	5.8	96	1	09/20/2016 08:46
Ethyl acetate	ND		0.15	1.8	1	09/20/2016 08:46
Ethyl tert-butyl ether (ETBE)	ND		0.68	2.1	1	09/20/2016 08:46
Ethylbenzene	6.2		0.18	2.2	1	09/20/2016 08:46
4-Ethyltoluene	3.0		0.18	2.5	1	09/20/2016 08:46
Freon 113	1.2	J	0.31	3.9	1	09/20/2016 08:46
Heptane	23		0.15	21	1	09/20/2016 08:46
Hexachlorobutadiene	ND		0.38	5.4	1	09/20/2016 08:46
Hexane	26		0.23	18	1	09/20/2016 08:46
2-Hexanone	32		0.17	2.1	1	09/20/2016 08:46
4-Methyl-2-pentanone (MIBK)	10		0.21	2.1	1	09/20/2016 08:46
Methyl-t-butyl ether (MTBE)	ND		0.42	1.8	1	09/20/2016 08:46
Methylene chloride	4.2	J	0.32	8.8	1	09/20/2016 08:46
Methyl methacrylate	ND		0.21	2.1	1	09/20/2016 08:46
Naphthalene	34		0.043	5.3	1	09/20/2016 08:46
Propene	85	J	8.8	88	1	09/20/2016 08:46
Styrene	2.7		0.17	2.2	1	09/20/2016 08:46
1,1,1,2-Tetrachloroethane	ND		0.010	3.5	1	09/20/2016 08:46
1,1,2,2-Tetrachloroethane	ND		0.031	3.5	1	09/20/2016 08:46
Tetrachloroethene	250		0.014	3.4	1	09/20/2016 08:46
Tetrahydrofuran	ND		0.16	3.0	1	09/20/2016 08:46
Toluene	31		0.15	1.9	1	09/20/2016 08:46
1,2,4-Trichlorobenzene	ND		0.45	3.8	1	09/20/2016 08:46
1,1,1-Trichloroethane	ND		0.50	2.8	1	09/20/2016 08:46
1,1,2-Trichloroethane	ND		0.014	2.8	1	09/20/2016 08:46
Trichloroethene	0.87	J	0.027	2.8	1	09/20/2016 08:46
Trichlorofluoromethane	2.2	J	0.34	2.8	1	09/20/2016 08:46
1,2,4-Trimethylbenzene	6.1		0.22	2.5	1	09/20/2016 08:46
1,3,5-Trimethylbenzene	1.9	J	0.30	2.5	1	09/20/2016 08:46

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 Angela Rydelius, Lab Manager



Analytical Report

Client: WSP USA Corp
Date Received: 9/19/16 16:15
Date Prepared: 9/20/16
Project: 2756 Alvarado St.

WorkOrder: 1609818
Extraction Method: TO15
Analytical Method: TO15
Unit: µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SGP-4	1609818-004A	Water	09/19/2016 14:14	GC29	126907

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.31	26.52	AK

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Vinyl Acetate	ND		0.61	18	1	09/20/2016 08:46
Vinyl Chloride	ND		0.0080	1.3	1	09/20/2016 08:46
Xylenes, Total	26		0.40	6.6	1	09/20/2016 08:46
Surrogates	REC (%)			Limits		
1,2-DCA-d4	103			70-130		09/20/2016 08:46
Toluene-d8	91			70-130		09/20/2016 08:46
4-BFB	103			70-130		09/20/2016 08:46



Analytical Report

Client: WSP USA Corp
Date Received: 9/19/16 16:15
Date Prepared: 9/20/16
Project: 2756 Alvarado St.

WorkOrder: 1609818
Extraction Method: TO15
Analytical Method: TO15
Unit: µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SGP-5	1609818-005A	Water	09/19/2016 14:41	GC29	126907

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.08	26.09	AK

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Acetone	470		5.3	60	1	09/20/2016 06:29
Acrolein	ND		0.23	5.8	1	09/20/2016 06:29
Acrylonitrile	ND		0.18	1.1	1	09/20/2016 06:29
tert-Amyl methyl ether (TAME)	ND		1.1	2.1	1	09/20/2016 06:29
Benzene	21		0.016	1.6	1	09/20/2016 06:29
Benzyl chloride	ND		0.26	2.6	1	09/20/2016 06:29
Bromodichloromethane	ND		0.014	3.5	1	09/20/2016 06:29
Bromoform	ND		0.58	5.2	1	09/20/2016 06:29
Bromomethane	ND		0.30	2.0	1	09/20/2016 06:29
1,3-Butadiene	ND		0.25	1.1	1	09/20/2016 06:29
2-Butanone (MEK)	180		5.2	75	1	09/20/2016 06:29
t-Butyl alcohol (TBA)	ND		28	31	1	09/20/2016 06:29
Carbon Disulfide	5.0		0.22	1.6	1	09/20/2016 06:29
Carbon Tetrachloride	ND		0.013	3.2	1	09/20/2016 06:29
Chlorobenzene	0.41	J	0.12	2.4	1	09/20/2016 06:29
Chloroethane	ND		0.23	1.3	1	09/20/2016 06:29
Chloroform	0.26	JB	0.017	2.4	1	09/20/2016 06:29
Chloromethane	ND		0.13	1.0	1	09/20/2016 06:29
Cyclohexane	25		0.26	18	1	09/20/2016 06:29
Dibromochloromethane	ND		0.017	4.4	1	09/20/2016 06:29
1,2-Dibromo-3-chloropropane	ND		0.025	0.12	1	09/20/2016 06:29
1,2-Dibromoethane (EDB)	ND		0.012	3.9	1	09/20/2016 06:29
1,2-Dichlorobenzene	ND		0.40	3.0	1	09/20/2016 06:29
1,3-Dichlorobenzene	ND		0.31	3.0	1	09/20/2016 06:29
1,4-Dichlorobenzene	0.13	JB	0.015	3.0	1	09/20/2016 06:29
Dichlorodifluoromethane	6.9		0.25	2.5	1	09/20/2016 06:29
1,1-Dichloroethane	ND		0.72	2.0	1	09/20/2016 06:29
1,2-Dichloroethane (1,2-DCA)	ND		0.0060	2.0	1	09/20/2016 06:29
1,1-Dichloroethene	ND		0.38	2.0	1	09/20/2016 06:29
cis-1,2-Dichloroethene	ND		0.20	2.0	1	09/20/2016 06:29
trans-1,2-Dichloroethene	ND		0.14	2.0	1	09/20/2016 06:29
1,2-Dichloropropane	0.097	J	0.0090	2.4	1	09/20/2016 06:29
cis-1,3-Dichloropropene	ND		0.0070	2.3	1	09/20/2016 06:29

(Cont.)

 Angela Rydelius, Lab Manager



Analytical Report

Client: WSP USA Corp
Date Received: 9/19/16 16:15
Date Prepared: 9/20/16
Project: 2756 Alvarado St.

WorkOrder: 1609818
Extraction Method: TO15
Analytical Method: TO15
Unit: µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SGP-5	1609818-005A	Water	09/19/2016 14:41	GC29	126907

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.08	26.09	AK

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
trans-1,3-Dichloropropene	ND		0.46	2.3	1	09/20/2016 06:29
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.36	3.6	1	09/20/2016 06:29
Diisopropyl ether (DIPE)	ND		0.17	2.1	1	09/20/2016 06:29
1,4-Dioxane	ND		0.0050	1.8	1	09/20/2016 06:29
Ethanol	16	J	5.8	96	1	09/20/2016 06:29
Ethyl acetate	ND		0.15	1.8	1	09/20/2016 06:29
Ethyl tert-butyl ether (ETBE)	ND		0.68	2.1	1	09/20/2016 06:29
Ethylbenzene	5.1		0.18	2.2	1	09/20/2016 06:29
4-Ethyltoluene	2.4	J	0.18	2.5	1	09/20/2016 06:29
Freon 113	ND		0.31	3.9	1	09/20/2016 06:29
Heptane	17	J	0.15	21	1	09/20/2016 06:29
Hexachlorobutadiene	ND		0.38	5.4	1	09/20/2016 06:29
Hexane	24		0.23	18	1	09/20/2016 06:29
2-Hexanone	31		0.17	2.1	1	09/20/2016 06:29
4-Methyl-2-pentanone (MIBK)	5.7		0.21	2.1	1	09/20/2016 06:29
Methyl-t-butyl ether (MTBE)	ND		0.42	1.8	1	09/20/2016 06:29
Methylene chloride	8.5	J	0.32	8.8	1	09/20/2016 06:29
Methyl methacrylate	ND		0.21	2.1	1	09/20/2016 06:29
Naphthalene	56		0.043	5.3	1	09/20/2016 06:29
Propene	83	J	8.8	88	1	09/20/2016 06:29
Styrene	3.6		0.17	2.2	1	09/20/2016 06:29
1,1,1,2-Tetrachloroethane	ND		0.010	3.5	1	09/20/2016 06:29
1,1,2,2-Tetrachloroethane	ND		0.031	3.5	1	09/20/2016 06:29
Tetrachloroethene	59		0.014	3.4	1	09/20/2016 06:29
Tetrahydrofuran	ND		0.16	3.0	1	09/20/2016 06:29
Toluene	22		0.15	1.9	1	09/20/2016 06:29
1,2,4-Trichlorobenzene	ND		0.45	3.8	1	09/20/2016 06:29
1,1,1-Trichloroethane	ND		0.50	2.8	1	09/20/2016 06:29
1,1,2-Trichloroethane	ND		0.014	2.8	1	09/20/2016 06:29
Trichloroethene	0.92	J	0.027	2.8	1	09/20/2016 06:29
Trichlorofluoromethane	110		0.34	2.8	1	09/20/2016 06:29
1,2,4-Trimethylbenzene	5.1		0.22	2.5	1	09/20/2016 06:29
1,3,5-Trimethylbenzene	2.1	J	0.30	2.5	1	09/20/2016 06:29

(Cont.)

Angela Rydelius, Lab Manager



Analytical Report

Client: WSP USA Corp
Date Received: 9/19/16 16:15
Date Prepared: 9/20/16
Project: 2756 Alvarado St.

WorkOrder: 1609818
Extraction Method: TO15
Analytical Method: TO15
Unit: µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SGP-5	1609818-005A	Water	09/19/2016 14:41	GC29	126907

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.08	26.09	AK

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Vinyl Acetate	ND		0.61	18	1	09/20/2016 06:29
Vinyl Chloride	ND		0.0080	1.3	1	09/20/2016 06:29
Xylenes, Total	20		0.40	6.6	1	09/20/2016 06:29
Surrogates	REC (%)			Limits		
1,2-DCA-d4	118			70-130		09/20/2016 06:29
Toluene-d8	90			70-130		09/20/2016 06:29
4-BFB	103			70-130		09/20/2016 06:29

 Angela Rydelius, Lab Manager



Quality Control Report


Client: WSP USA Corp
Date Prepared: 9/19/16 - 9/20/16
Date Analyzed: 9/19/16 - 9/20/16
Instrument: GC29
Matrix: SoilGas
Project: 2756 Alvarado St.

WorkOrder: 1609818
BatchID: 126907
Extraction Method: TO15
Analytical Method: TO15
Unit: µg/m³
Sample ID: MB/LCS-126907

QC Summary Report for TO15

Analyte	MB Result	LCS Result	MDL	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	62.9	2.6	30	60	-	105	60-140
Acrolein	ND	64.9	0.12	2.9	58.25	-	111	60-140
Acrylonitrile	ND	64.9	0.090	0.55	55	-	118	60-140
tert-Amyl methyl ether (TAME)	0.653,J	100	0.55	1.0	105	-	96	60-140
Benzene	ND	75.6	0.0080	0.80	80	-	94	60-140
Benzyl chloride	ND	144	0.13	1.3	132.5	-	109	60-140
Bromodichloromethane	ND	142	0.0070	1.8	175	-	81	60-140
Bromoform	ND	322	0.29	2.6	262.5	-	123	60-140
Bromomethane	ND	60.4	0.15	1.0	97.5	-	62	60-140
1,3-Butadiene	ND	59.8	0.12	0.55	55	-	109	60-140
2-Butanone (MEK)	ND	85.2	2.6	38	75	-	114	60-140
t-Butyl alcohol (TBA)	ND	88.6	14	16	77.5	-	114	60-140
Carbon Disulfide	ND	89.7	0.11	0.80	80	-	112	60-140
Carbon Tetrachloride	ND	141	0.0065	1.6	160	-	88	60-140
Chlorobenzene	ND	124	0.060	1.2	117.5	-	106	60-140
Chloroethane	ND	67.1	0.12	0.65	67.5	-	99	60-140
Chloroform	0.0167,J	118	0.0085	1.2	122.5	-	96	60-140
Chloromethane	ND	61.6	0.065	0.50	52.5	-	117	60-140
Cyclohexane	ND	91.6	0.13	9.0	87.5	-	105	60-140
Dibromochloromethane	ND	206	0.0085	2.2	217.5	-	95	60-140
1,2-Dibromo-3-chloropropane	0.0570,J	271	0.012	0.060	245	-	111	60-140
1,2-Dibromoethane (EDB)	ND	167	0.0060	2.0	195	-	86	60-140
1,2-Dichlorobenzene	ND	161	0.20	1.5	152.5	-	106	60-140
1,3-Dichlorobenzene	ND	160	0.16	1.5	152.5	-	105	60-140
1,4-Dichlorobenzene	0.0329,J	159	0.0075	1.5	152.5	-	104	60-140
Dichlorodifluoromethane	ND	130	0.12	1.2	125	-	104	60-140
1,1-Dichloroethane	ND	106	0.36	1.0	102.5	-	104	60-140
1,2-Dichloroethane (1,2-DCA)	0.00756,J	96.0	0.0030	1.0	102.5	-	94	60-140
1,1-Dichloroethene	ND	97.2	0.19	1.0	100	-	97	60-140
cis-1,2-Dichloroethene	ND	105	0.10	1.0	100	-	105	60-140
trans-1,2-Dichloroethene	ND	106	0.070	1.0	100	-	106	60-140
1,2-Dichloropropane	ND	101	0.0045	1.2	117.5	-	86	60-140
cis-1,3-Dichloropropene	ND	105	0.0035	1.2	115	-	91	60-140
trans-1,3-Dichloropropene	ND	106	0.23	1.2	115	-	92	60-140
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	196	0.18	1.8	177.5	-	110	60-140
Diisopropyl ether (DIPE)	ND	116	0.085	1.0	105	-	111	60-140
1,4-Dioxane	0.107,J	86.5	0.0025	0.90	92.5	-	94	60-140

(Cont.)

 QA/QC Officer



Quality Control Report


Client: WSP USA Corp
Date Prepared: 9/19/16 - 9/20/16
Date Analyzed: 9/19/16 - 9/20/16
Instrument: GC29
Matrix: SoilGas
Project: 2756 Alvarado St.

WorkOrder: 1609818
BatchID: 126907
Extraction Method: TO15
Analytical Method: TO15
Unit: µg/m³
Sample ID: MB/LCS-126907

QC Summary Report for TO15

Analyte	MB Result	LCS Result	MDL	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Ethanol	ND	45.3,J	2.9	48	47.5	-	95	60-140
Ethyl acetate	ND	102	0.075	0.90	92.5	-	110	60-140
Ethyl tert-butyl ether (ETBE)	ND	115	0.34	1.0	105	-	109	60-140
Ethylbenzene	ND	116	0.090	1.1	110	-	105	60-140
4-Ethyltoluene	ND	136	0.090	1.2	125	-	109	60-140
Freon 113	ND	201	0.16	2.0	195	-	103	60-140
Heptane	ND	97.9	0.075	10	105	-	93	60-140
Hexachlorobutadiene	ND	314	0.19	2.7	270	-	116	60-140
Hexane	ND	96.3	0.12	9.0	90	-	107	60-140
2-Hexanone	ND	104	0.085	1.0	105	-	99	60-140
Isopropyl Alcohol	ND	66.5	2.9	25	62.5	-	106	60-140
4-Methyl-2-pentanone (MIBK)	ND	104	0.10	1.0	105	-	99	60-140
Methyl-t-butyl ether (MTBE)	ND	96.4	0.21	0.90	92.5	-	104	60-140
Methylene chloride	ND	90.3	0.16	4.4	87.5	-	103	60-140
Methyl methacrylate	ND	99.2	0.10	1.0	104	-	95	60-140
Naphthalene	0.420,J	298	0.022	2.6	265	-	112	60-140
Propene	ND	41.7,J	4.4	44	42.5	-	98	60-140
Styrene	ND	116	0.085	1.1	107.5	-	108	60-140
1,1,1,2-Tetrachloroethane	ND	186	0.0050	1.8	175	-	106	60-140
1,1,2,2-Tetrachloroethane	ND	182	0.016	1.8	175	-	104	60-140
Tetrachloroethene	ND	160	0.0070	1.7	172	-	93	60-140
Tetrahydrofuran	0.483,J	82.7	0.080	1.5	75	-	110	60-140
Toluene	ND	84.6	0.075	0.95	95	-	89	60-140
1,2,4-Trichlorobenzene	ND	228	0.22	1.9	187.5	-	121	60-140
1,1,1-Trichloroethane	ND	121	0.25	1.4	137.5	-	88	60-140
1,1,2-Trichloroethane	ND	120	0.0070	1.4	137.5	-	88	60-140
Trichloroethene	ND	120	0.014	1.4	137.5	-	87	60-140
Trichlorofluoromethane	ND	147	0.17	1.4	142.5	-	103	60-140
1,2,4-Trimethylbenzene	ND	136	0.11	1.2	125	-	109	60-140
1,3,5-Trimethylbenzene	ND	143	0.15	1.2	125	-	114	60-140
Vinyl Acetate	ND	95.4	0.30	9.0	90	-	106	60-140
Vinyl Chloride	0.0351,J	72.9	0.0040	0.65	65	-	112	60-140
Xylenes, Total	ND	351	0.20	3.3	330	-	106	60-140

(Cont.)

 QA/QC Officer




Quality Control Report

Client: WSP USA Corp
Date Prepared: 9/19/16 - 9/20/16
Date Analyzed: 9/19/16 - 9/20/16
Instrument: GC29
Matrix: SoilGas
Project: 2756 Alvarado St.

WorkOrder: 1609818
BatchID: 126907
Extraction Method: TO15
Analytical Method: TO15
Unit: µg/m³
Sample ID: MB/LCS-126907

QC Summary Report for TO15

Analyte	MB Result	LCS Result	MDL	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery								
1,2-DCA-d4	503	495			500	101	99	70-130
Toluene-d8	460	434			500	92	87	70-130
4-BFB	502	497			500	100	99	70-130

 QA/QC Officer



1534 Willow Pass Rd
 Pittsburg, CA 94565-1701
 (925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1609818

ClientCode: WSPE

WaterTrax
 WriteOn
 EDF
 Excel
 EQUIS
 Email
 HardCopy
 ThirdParty
 J-flag

Report to:

Betsy Mitton
 WSP USA Corp
 2025 Gateway Place, #348 (3rd Floor
 Back of Building)
 San Jose, CA 95110
 408-453-6100 FAX:

Email: Betsy.Mitton@wspgroup.com
 cc/3rd Party:
 PO: 31400252-02
 ProjectNo: 2756 Alvarado St.

Bill to:

Env. Accounts Payable
 WSP USA Corp
 512 Seventh Avenue, 13th Floor
 New York, NY 10018
 SEND HARDCOPY;accountspayable@

Requested TAT:

2 days;

Date Received: 09/19/2016

Date Logged: 09/19/2016

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1609818-001	SGP-1	Water	9/19/2016 12:35	<input type="checkbox"/>	A	A	A	A								
1609818-002	SGP-2	Water	9/19/2016 13:12	<input type="checkbox"/>	A	A	A	A								
1609818-003	SGP-3	Water	9/19/2016 13:43	<input type="checkbox"/>	A	A	A	A								
1609818-004	SGP-4	Water	9/19/2016 14:14	<input type="checkbox"/>	A	A	A	A								
1609818-005	SGP-5	Water	9/19/2016 14:41	<input type="checkbox"/>	A	A	A	A								

Test Legend:

1	TO15_Scan-SIM_SOIL(UG/M3)	2	TO15-8260_SOIL(UG/M3)	3	TO15-LC_SOIL(UG/M3)	4	TO15-LC8260_SOIL(UG/M3)
5		6		7		8	
9		10		11		12	

Prepared by: Jena Alfaro

The following SampIDs: 001A, 002A, 003A, 004A, 005A contain testgroup TO15_SG(UG/M3).

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
 Hazardous samples will be returned to client or disposed of at client expense.



WORK ORDER SUMMARY

Client Name: WSP USA CORP
Client Contact: Betsy Mitton
Contact's Email: Betsy.Mitton@wspgroup.com

Project: 2756 Alvarado St.

Work Order: 1609818
QC Level: LEVEL 2
Date Logged: 9/19/2016

Comments:

WaterTrax WriteOn EDF Excel Fax Email HardCopy ThirdParty J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1609818-001A	SGP-1	Water	TO15 for Soil Vapor (Scan-SIM)	1	soilgas	<input type="checkbox"/>	9/19/2016 12:35	2 days		<input type="checkbox"/>	
1609818-002A	SGP-2	Water	TO15 for Soil Vapor (Scan-SIM)	1	soilgas	<input type="checkbox"/>	9/19/2016 13:12	2 days		<input type="checkbox"/>	
1609818-003A	SGP-3	Water	TO15 for Soil Vapor (Scan-SIM)	1	soilgas	<input type="checkbox"/>	9/19/2016 13:43	2 days		<input type="checkbox"/>	
1609818-004A	SGP-4	Water	TO15 for Soil Vapor (Scan-SIM)	1	soilgas	<input type="checkbox"/>	9/19/2016 14:14	2 days		<input type="checkbox"/>	
1609818-005A	SGP-5	Water	TO15 for Soil Vapor (Scan-SIM)	1	soilgas	<input type="checkbox"/>	9/19/2016 14:41	2 days		<input type="checkbox"/>	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).
- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.



McCAMPBELL ANALYTICAL, INC.
 1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701
 Telephone: (877) 252-9262 / Fax: (925) 252-9269
www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush 2 Day Rush 3 Day Rush STD Quote #

J-Flag / MDL ESL Cleanup Approved Bottle Order #

Delivery Format: GeoTracker EDF PDF EDD Write On (DW) EQuIS

Report To: Betsy Mitten Bill To:

Company: WSP/Parsons Brinckerhoff

Email: Betsy.Mitten@WSPgroup.com

Email: Tele: 408-453-6100

Project Name/#: 2756 Alvarado St

Project Location: San Leandro PO# 31400252-02

Sampler Signature: A. Wain

Analysis Requested Helium Shroud SN#

Leak Check Default is IPA

Notes: Please specify units if different than default: VOCs is reported in µg/m³, fixed is reported in %.

SAMPLE ID Location / Field Point	Sampling Start		End	Canister SN#	Sample Kit / Manifold #	VOCs TO-15 (µg/m³) - See Notes	8010 by TO-15 (µg/m³)	TPH (g) (µg/m³)	LEED: (inc. 4PCH, Formaldehyde, CO, Total VOCs)	Fixed Gas (CO₂, Methane, Ethane, Ethylene, Acetylene, Propane, CO) %	Fixed Gas: (O₂, N₂) %	API: Aliphatic and/or Aromatic (circle one) µg/m³	Helium Leak Check %	Leak Check (IPA, Norflorane, 1,1-difluoroethane) µg/m³	Matrix		Canister Pressure / Vacuum (µg)	
	Date	Time	Time												Soilgas	Indoor Air	Initial	Final
✓ SGP-1	9-19-16	1229	1235	7522-870	316-663	X									X		-30	-3
✓ SGP-2	9-19-16	1302	1312	1933-1916	316-1336	X									X		-35	-3
✓ SGP-3	9-19-16	1335	1343	6303-783	316-768	X									X		-30	-1
✓ SGP-4	9-19-16	1407	1414	6413-800	316-670	X									X		-35	-4
✓ SGP-5	9-19-16	1433	1441	7524-872	316-1319	X									X		-35	-3.5

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate \$250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time	Comments / Instructions
<u>[Signature]</u>	9-19-16	1450	<u>[Signature]</u>	9-19-16	1450	
<u>[Signature]</u>	9-19-16	1615	<u>[Signature]</u>	9-19-16	1615	



Sample Receipt Checklist

Client Name: **WSP USA Corp**
 Project Name: **2756 Alvarado St.**

Date and Time Received: **9/19/2016 16:15**
 Date Logged: **9/19/2016**
 Received by: **Jena Alfaro**
 Logged by: **Jena Alfaro**

WorkOrder No: **1609818** Matrix: Water
 Carrier: Bernie Cummins (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present? Yes No
 Chain of custody signed when relinquished and received? Yes No
 Chain of custody agrees with sample labels? Yes No
 Sample IDs noted by Client on COC? Yes No
 Date and Time of collection noted by Client on COC? Yes No
 Sampler's name noted on COC? Yes No

Sample Receipt Information

Custody seals intact on shipping container/cooler? Yes No NA
 Shipping container/cooler in good condition? Yes No
 Samples in proper containers/bottles? Yes No
 Sample containers intact? Yes No
 Sufficient sample volume for indicated test? Yes No

Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes No
 Sample/Temp Blank temperature Temp: NA
 Water - VOA vials have zero headspace / no bubbles? Yes No NA
 Sample labels checked for correct preservation? Yes No
 pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)? Yes No NA
 Samples Received on Ice? Yes No

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522? Yes No NA
 Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539? Yes No NA

Comments:

WSP

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Appendix D

Traffic Study

Traffic Impact Study Report

Industrial Development on 2756 Alvarado Street

City of San Leandro, California

August 30, 2017



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EXECUTIVE SUMMARY

This report summarizes the results of a traffic impact analysis (TIA) conducted for the proposed Industrial Development on 2756 Alvarado Street (the project) in the City of San Leandro. The proposed project would consist of 139,450 square feet of warehouse and 20,000 square feet of office space. The proposed project site is currently occupied by retail/industrial land uses and is located among mixed industrial and commercial land uses. The project site is located on the southeast quadrant of the intersection of Alvarado Street and Aladdin Avenue in the City of San Leandro. Access to the project site is provided via driveways on Alvarado Street and Aladdin Avenue.

The purpose of this report is to identify potential impacts of the proposed project on the surrounding transportation system and to recommend mitigation measures (improvements) to resolve significant impacts. For the purposes of this analysis, potential traffic impacts from the proposed project are identified based on established traffic operational thresholds of the City of San Leandro. The report also includes evaluations and recommendations concerning project site access and on-site circulation for vehicles, evaluation of on-site vehicle parking supply, and queuing analysis at the study intersections. To evaluate the impacts on the transportation infrastructure due to the addition of traffic from the proposed project, five study intersections and two roadway segments were evaluated during weekday a.m. and p.m. peak hours under four study scenarios. The study intersections and roadway segments were evaluated under No Project and Plus Project scenarios for Existing and Cumulative (Year 2035) Conditions.

Project Trip Generation

The project is expected to generate a net of 18 weekday a.m. peak hour trips (13 inbound, five outbound) and a net of 23 weekday p.m. peak hour trips (4 inbound, 17 outbound).

Existing Conditions

Under this scenario, all the intersections operate within City of San Leandro standards of LOS D or better during the a.m. and p.m. peak hour except for the intersection of Alvarado Street and Montague Avenue, which operates at LOS E during the a.m. peak hour.

Existing plus Project Conditions

Under this scenario, all the intersections operate within City of San Leandro standards during the a.m. and p.m. peak hours except for the intersection of Alvarado Street and Montague Avenue, which operates at LOS E during the a.m. peak hour.

Based on the City of San Leandro LOS impact criteria, the proposed project will have a *less-than-significant* impact at the study intersections during both a.m. and p.m. peak hours.

Cumulative (Year 2035) Conditions

Under this scenario, all the intersections operate within City of San Leandro standards during the a.m. and p.m. peak hours except for the intersection of Alvarado Street and Montague Avenue, which operate at LOS F during the a.m. peak hour and LOS E during the p.m. peak hour.

Cumulative plus Project Conditions

Under this scenario, all the intersections operate within City of San Leandro standards during the a.m. and p.m. peak hours except for the intersection of Alvarado Street and Montague Avenue, which operate at LOS F during the a.m. peak hour and LOS E during the p.m. peak hour.

Based on the City of San Leandro LOS impact criteria, the proposed project will have a *less-than-significant* impact at the study intersections during both a.m. and p.m. peak hours.

Roadway Segment Analysis

Based on the City of San Leandro and Alameda County CMP impact criteria, the proposed project will have a *less-than-significant* impact on the study roadway segments under both Existing plus Project and Cumulative plus Project scenarios during both a.m. and p.m. peak hours.

Queuing Analysis

The proposed project *does not create a significant impact* on the expected left-turn or right-turn queues at the selected study intersections under the Existing plus Project Conditions.

Pedestrian, Bicycle and Transit Impacts

The proposed project does not conflict with existing and planned pedestrian or bicycle facilities. The transit service within the immediate vicinity of the project site operates well below capacity, and additional trips generated by the proposed project could be accommodated by existing bus services. Therefore the impacts, to pedestrian, bicycle and transit facilities is *less-than-significant*.

On-Site Circulation

TJKM examined the project site plan in order to evaluate the adequacy of on-site vehicle circulation including trucks and emergency vehicles. The access to the project site will be via two driveways on Alvarado Street and one driveway on Aladdin Avenue. Based on the evaluation, the proposed on-site vehicle circulation is adequate and should not result in any significant traffic operations issues.

Parking

Based on the project site plan dated June 28, 2017, a total of 166 parking spaces are provided for the proposed industrial development. In addition 21 trailer parking spaces are provided near the dock door. Based on the City of San Leandro Municipal Code the total parking required for the project is 160 parking stalls. Therefore, no parking impacts are projected on City streets.

1.0 INTRODUCTION

This report presents the results of a traffic impact analysis for the proposed Industrial development to be located on the southeast quadrant of the intersection of Alvarado Street and Aladdin Avenue in the City of San Leandro, California. The analysis was conducted to evaluate the impacts of the project on the surrounding roadway system; to determine the project's influence on the adjacent bicycle, pedestrian, and transit network; and to identify measures to mitigate any significant impacts. The TIA was prepared following the guidelines of the City of San Leandro. This chapter discusses the TIA purpose, project study area, analysis scenarios and methods, and criteria used to identify significant impacts.

1.1 PROJECT DESCRIPTION

The proposed project would develop approximately 139,450 square feet of warehouse and 20,000 square foot of office space. The project site is 6.90 acres and is located on 2756 Alvarado Street, San Leandro, CA. The project site is bounded by Alvarado Street on the west side and Aladdin Avenue street on the north side. As shown on **Figure 1**, the site is near the intersection of Alvarado Street and Aladdin Avenue. The proposed project site is currently occupied by retail/industrial land uses. Access to the project site is provided via two driveways on Alvarado Street and one driveway Aladdin Avenue Street. The roadway impacts of the proposed project were evaluated for the intersections and roadway segments discussed below.

1.1.1 Study Intersections and Roadway Segments

The TIA was conducted by evaluating the operations at the study intersections within the City of San Leandro that the proposed project might potentially impact during the morning and evening commute periods, when traffic volumes on the surrounding streets are highest. TJKM evaluated traffic conditions at five study intersections during the a.m. and p.m. peak hours on a typical weekday. The peak periods observed were between 7-9 a.m. and 4-6 p.m. The highest single one-hour period recorded for each peak period was used in the analysis. Study intersections were selected in consultation with the City of San Leandro staff.

The following study intersections were analyzed (associated traffic controls in parentheses):

1. Alvarado Street and Aladdin Avenue (Signalized)
2. Teagarden Street and Fairway Drive/ Aladdin Avenue (Signalized)
3. Alvarado Street and Montague Avenue (Unsignalized)
4. Alvarado Street and Marina Boulevard (Signalized)
5. Teagarden Street and Marina Boulevard (Signalized)

In addition the following two roadway segments were also analyzed.

1. Aladdin Avenue between Teagarden Street and Alvarado Street.
2. Alvarado Street between Aladdin Avenue and Montague Avenue.

1.1.2 Pedestrian, Bicycle, And Transit Facilities

Projects impacts to pedestrian facilities, bicycle facilities, and transit service and facilities within the immediate project site were also addressed.

1.2 INTERSECTION ANALYSIS SCENARIOS

The study intersections were evaluated during the a.m. and p.m. peak hours for the following scenarios:

Scenario 1: Existing Conditions – This scenario evaluates all the study intersections based on existing traffic volumes, lane geometry and traffic controls.

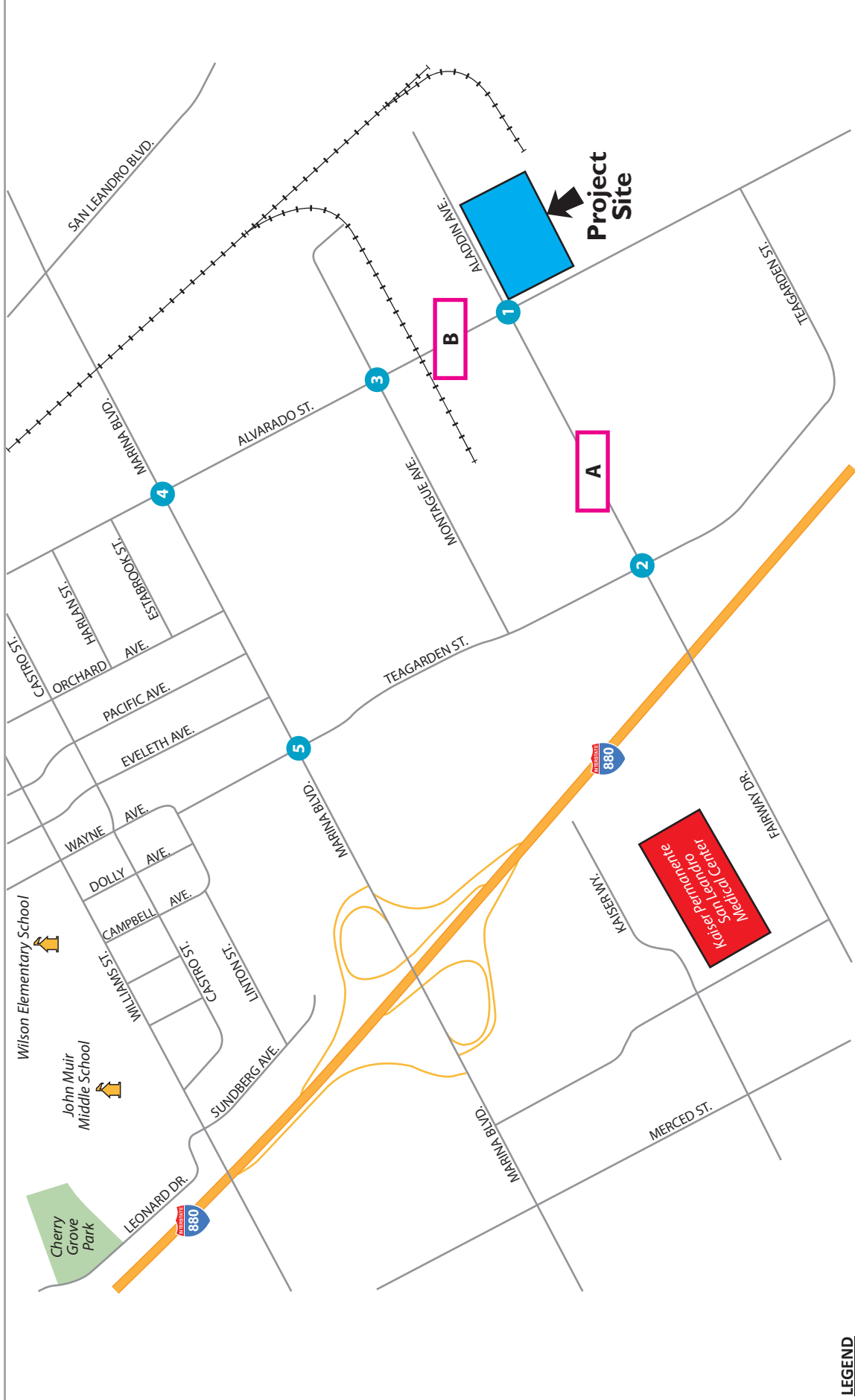
Scenario 2: Existing plus Project Conditions – This scenario is identical to Existing Conditions, but with the addition of traffic generated by the proposed project.

Scenario 3: Cumulative No Project Conditions – Projected traffic volumes based on the San Leandro General Plan EIR for year 2035.

Scenario 4: Cumulative plus Project Conditions – Scenario 3 volumes plus traffic generated by the proposed project.

Figure 1 shows the location of the project site, the surrounding transportation network, and study intersections and roadway segments. **Figure 2** presents the proposed site plan.

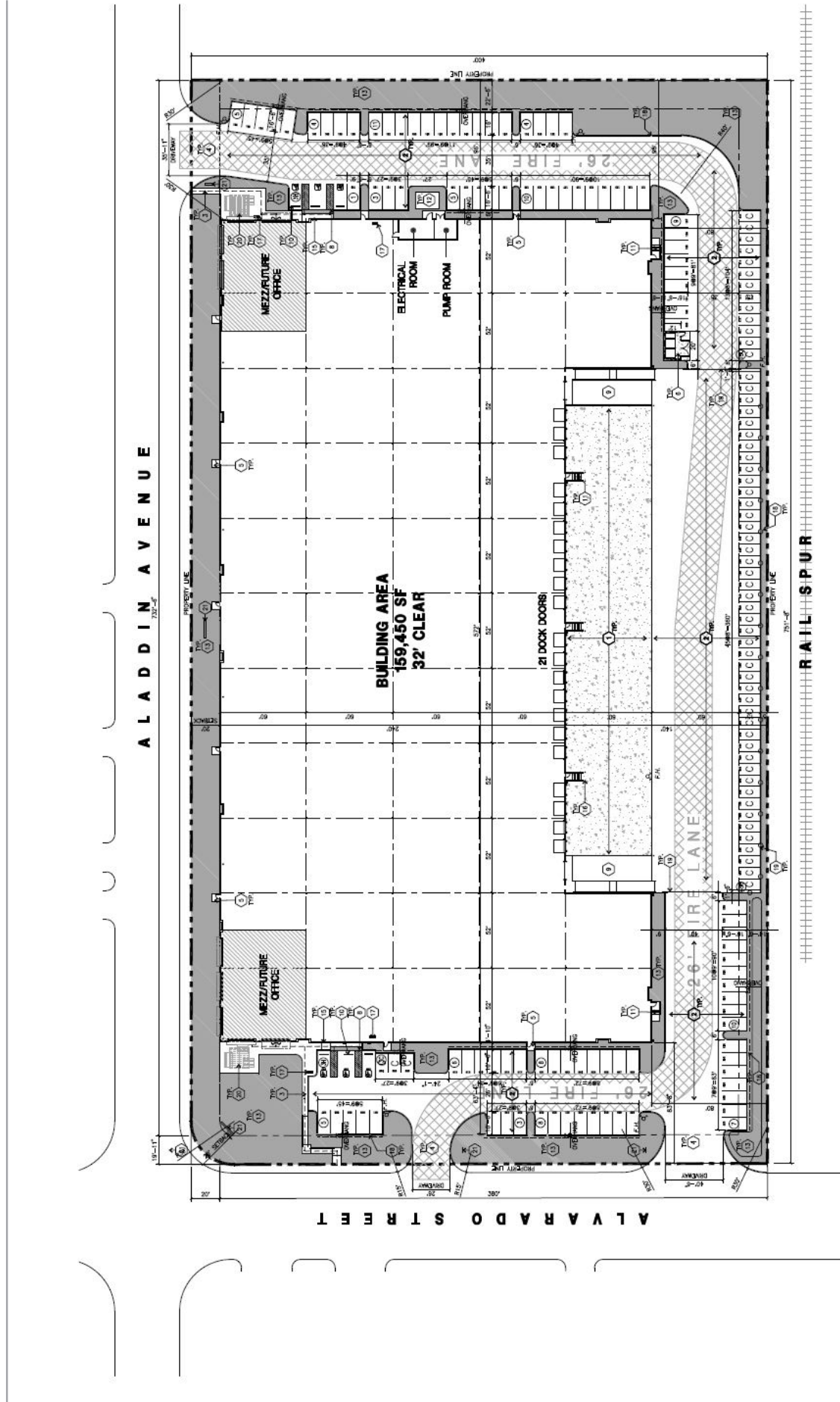
Vicinity Map



- LEGEND**
- Study Intersection
 - Roadway Segment
 - Railroad

Figure 1

Site Plan



1.3 STUDY METHODOLOGY

The operations of roadway facilities are described with the term *level of service*. Level of Service (LOS) is a qualitative measure that describes operational conditions as they relate to the traffic stream and perceptions by motorists and passengers. The LOS generally describes these conditions in terms of such factors as speed, travel time, delays, freedom to maneuver, traffic interruptions, comfort, convenience, and safety. The operational LOS are given letter designations from A to F, with A representing the best operating conditions (free-flow) and F the worst (severely congested flow with high delays). Intersections generally are the capacity-controlling locations with respect to traffic operations on arterial and collector streets in urban areas.

1.3.1 Intersection Analysis

The City of San Leandro utilizes Synchro analysis software and the Highway Capacity Manual (HCM) 2000 methodology to evaluate intersection operations.

- **Signalized Intersection:** The HCM procedure calculates a weighted average stop delay in seconds per vehicle at a signalized intersection and assigns a LOS designation based upon the delay.
- **Unsignalized Intersection:** The HCM methodology calculates a weighted average stop delay in seconds per vehicle for each controlled intersection leg and for the intersection as a whole. A LOS designation is assigned based upon the weighted average control delay per vehicle on the intersection leg with the worst delay at one- or two-way stop-controlled intersections. For all-way stop-controlled intersections, a LOS designation is based upon the weighted average control delay for all intersection legs, similar to the LOS designation for signalized intersections.

The average control delay for signalized and unsignalized intersections was calculated using Synchro 9.0 analysis software and was correlated to a LOS designation as shown in **Table 1**.

1.3.2 Arterial Segment Analysis Methodology

The arterial segment analysis utilized a LOS methodology based on capacities from the 2000 Highway Capacity Manual. For arterial segments on the designated MTS, impact assessment was performed based on the directional peak hour service volume table shown in Exhibit 10-7 of the HCM 2000. A volume to capacity ratio was calculated using the volumes from the counts conducted and using the LOS F service volume threshold shown in Exhibit 10-7 as the estimate of roadway capacity. **Table 2** is used for the estimates of how many vehicles an urban street can carry at a given level of service, for a particular class and number of lanes (per direction).

Table 1: Intersection Level of Service Thresholds

Signalized Intersection Average Delay Per Vehicle (Seconds)	LOS	Description of Traffic Conditions	Unsignalized Intersection Average Delay Per Vehicle (Seconds)
≤10.0	A	Free flowing. Most vehicles do not have to stop.	≤10.0
>10.0 and ≤20.0	B	Minimal delays. Some vehicles have to stop, although waits are not bothersome.	>10.0 and ≤15.0
>20.0 and ≤35.0	C	Acceptable delays. Significant numbers of vehicles have to stop because of steady, high traffic volumes. Still, many pass without stopping.	>15.0 and ≤25.0
>35.0 and ≤55.0	D	Tolerable delays. Many vehicles have to stop. Drivers are aware of heavier traffic. Cars may have to wait through more than one red light. Queues begin to form, often on more than one approach.	>25.0 and ≤35.0
>55.0 and ≤80.0	E	Significant delays. Cars may have to wait through more than one red light. Long queues form, sometimes on several approaches.	>35.0 and ≤50.0
>80.0	F	Excessive delays. Intersection is jammed. Many cars have to wait through more than one red light, or more than 60 seconds. Traffic may back up into "up-stream" intersections	>50.0

Source: Transportation Research Board, Highway Capacity Manual, Washington D.C., 2000

Table 2: Roadway Segments Peak Hour Level of Service Thresholds

Lanes	Service Volumes (veh/hr)				
	A	B	C	D	E
Class I					
1	N/A	740	920	1,010	1,110
2	N/A	1,490	1,780	1,940	2,120
3	N/A	2,210	2,580	2,790	3,040
4	N/A	2,970	3,440	3,750	4,060
Class II					
1	N/A	N/A	620	820	860
2	N/A	N/A	1,290	1,590	1,650
3	N/A	N/A	1,920	2,280	2,370
4	N/A	N/A	2,620	3,070	3,190
Class III					
1	N/A	N/A	600	790	840
2	N/A	N/A	1,250	1,530	1,610
3	N/A	N/A	1,870	2,220	2,310
4	N/A	N/A	2,580	2,960	3,080
Class IV					
1	N/A	N/A	270	690	790
2	N/A	N/A	650	1,440	1,520
3	N/A	N/A	1,070	2,110	2,180
4	N/A	N/A	1,510	2,820	2,900

Source: Highway Capacity Manual 2000

1.4 SIGNIFICANT IMPACT CRITERIA/LEVEL OF SERVICE STANDARDS

City of San Leandro, Alameda CTC, and Caltrans

The LOS Standard for signalized intersections in the City of San Leandro is LOS D or better at City-controlled intersections (As per 2035 General Plan level of service threshold). For those intersections that are located on the CMP network, the LOS standard is LOS D. The LOS standard for signalized intersections within Caltrans' jurisdiction is LOS C or better. An impact would be potentially significant if it exceeded the proposed LOS standard.

1.5 REPORT ORGANIZATION

The remainder of this report is divided into the following chapters:

Chapter 2 – Existing Conditions describes the transportation system near the project, including the surrounding roadway network, morning and evening peak period intersection volumes, existing bicycle, pedestrian, transit facilities and intersection levels of service.

Chapter 3 – Existing with Project Conditions addresses the Existing plus Project Conditions and discusses relevant project information, such as the project components and project trip generation, distribution, assignment, and intersection levels of service is discussed in this chapter.

Chapter 4- Cumulative No Project Conditions addresses the cumulative conditions (Year 2035) without the proposed project.

Chapter 5 – Cumulative plus Project Conditions addresses the cumulative conditions (Year 2035) with the proposed project.

Chapter 6 – Site Access, On-Site Circulation and other impacts describes project access and circulation for all travel modes and discusses project pedestrian, bicycle, and transit impacts.

2.0 EXISTING CONDITIONS

This section describes existing conditions in the immediate project site vicinity, including roadway facilities, bicycle and pedestrian facilities, and available transit service. In addition, existing traffic volumes and operations are presented for all the study intersections, including the results of LOS calculations.

2.1 EXISTING SETTING AND ROADWAY SYSTEM

Important roadways adjacent to the project site are discussed below:

Interstate 880 (I-880) is an eight- to ten-lane freeway with a posted speed limit of 65 miles per hour. The north-south freeway connects San Leandro with nearby cities, such as Hayward and Oakland, as well as regional destinations, such as Fremont and San Jose. It also provides access to the larger freeway network in the region with direct connections to Interstates 80, 238, 580, 680 and 980; US Highway 101; State Routes (SR) 17,24,84,92,237 and 262. Within the vicinity of the project, I-880 has an interchange at Marina Boulevard.

Alvarado Street is a two-to-four lane north-south arterial roadway with a two-way left-turn lane in the center, which extends from Napoleon Drive in the north and Fremont Avenue in the south. Within the project vicinity, the posted speed limit is 35 miles per hour north of Marina Boulevard and 40 miles per hour from Marina Boulevard to Fremont Avenue. It is traversed by railroad tracks west of San Leandro Boulevard. In the study area, Alvarado Street is surrounded by industrial land uses and is a designated local truck route. Alvarado Street is directly accessible to the project site.

Fairway Drive – Aladdin Avenue is a two- to four lane, east-west arterial roadway, which extends east from Teagarden Street to project area, where it becomes Aladdin Avenue and continues eastward. West of Doolittle Drive, it is designated as a residential collector street and is divided by raised, landscaped medians. The posted speed limit is 40 miles per hour within the project vicinity. In the study area, Aladdin Avenue is surrounded by industrial and public/open space land uses.

Marina Boulevard is a two- to six-lane, east-west arterial roadway, which extends from Washington Avenue in the east and Neptune Drive in the west. The roadway becomes Monarch Bay Drive west of Neptune Drive. Marina Boulevard has two travel lanes and is designated as a residential arterial in the City's General Plan. The posted speed limit is 40 miles per hour within the project vicinity. In the study area, Marina Boulevard is surrounded by industrial, commercial and residential land uses. It is also designated as a local truck route. Marina Boulevard is accessible to the project site via Alvarado Street.

Teagarden Street is a two- to four lane, north-south collector street, which extends from Wayne Avenue in the north and Alvarado Street in the south. The posted speed limit is 35 miles per hour within the project vicinity. On-street parking is allowed on intermittent sections of the roadway between Aladdin Avenue and Marina Boulevard with restrictions on truck parking. It is surrounded by residential, retail, industrial and school land uses.

Montague Avenue is a two lane, east-west collector Street, with a posted speed limit of 25 miles per hour within the project vicinity. On-street parking is allowed on this roadway with restrictions on truck parking. It is surrounded by industrial land uses and is accessible to the project site via Alvarado Street.

2.2 EXISTING PEDESTRIAN FACILITIES

Walkability is defined as the ability to travel easily and safely between various origins and destinations without having to rely on automobiles or other motorized travel. The ideal “walkable” community includes wide sidewalks, a mix of land uses such as residential, employment, and shopping opportunities, a limited number of conflict points with vehicle traffic, and easy access to transit facilities and services. Pedestrian facilities consist of crosswalks, sidewalks, pedestrian signals, and off-street paths, which provide safe and convenient routes for pedestrians to access the destinations such as institutions, businesses, public transportation, and recreation facilities.

Sidewalks are provided along most roadways within the immediate vicinity of the project, where land uses have been developed adjacent to the roadway. Sidewalks and crosswalks are found along virtually all previously- described local roadways in the study area. Crosswalks are located at all signalized intersections in all directions within one-half mile of the project site. The existing pedestrian facilities in the study area are shown in **Figure 3**.

2.3 EXISTING BICYCLE FACILITIES

Bicycle paths, lanes and routes are typical examples of bicycle transportation facilities, which are defined by Caltrans as being in one of the following three classes:

- Class I – Provides a completely separated facility designed for the exclusive use of bicyclists and pedestrians with crossing points minimized.
- Class II – Provides a designated lane for the exclusive or semi-exclusive use of bicycles with through travel by motor vehicles or pedestrians prohibited, but with vehicle parking and cross-flows by pedestrians and motorists permitted.
- Class III – Provides a route designated by signs or pavement markings and shared with pedestrians and motorists.

According to the San Leandro Bicycle and Pedestrian Master Plan, the following bikeways are currently present within the study area:

Class II Bike Lanes

- Alvarado Street between Marina Boulevard and Aladdin Avenue
- Aladdin Avenue between Teagarden Street and Alvarado Street
- Fairway Drive between Teagarden Street and Monarch Bay Drive

Class III Bike Routes

- Alvarado Street between Teagarden Street and Fremont Avenue

Proposed Bike Lanes on Alvarado Street

- Class II Bike lane between Aladdin Avenue and Teagarden Street
- Class III Bike route between Marina Boulevard and Thornton Street

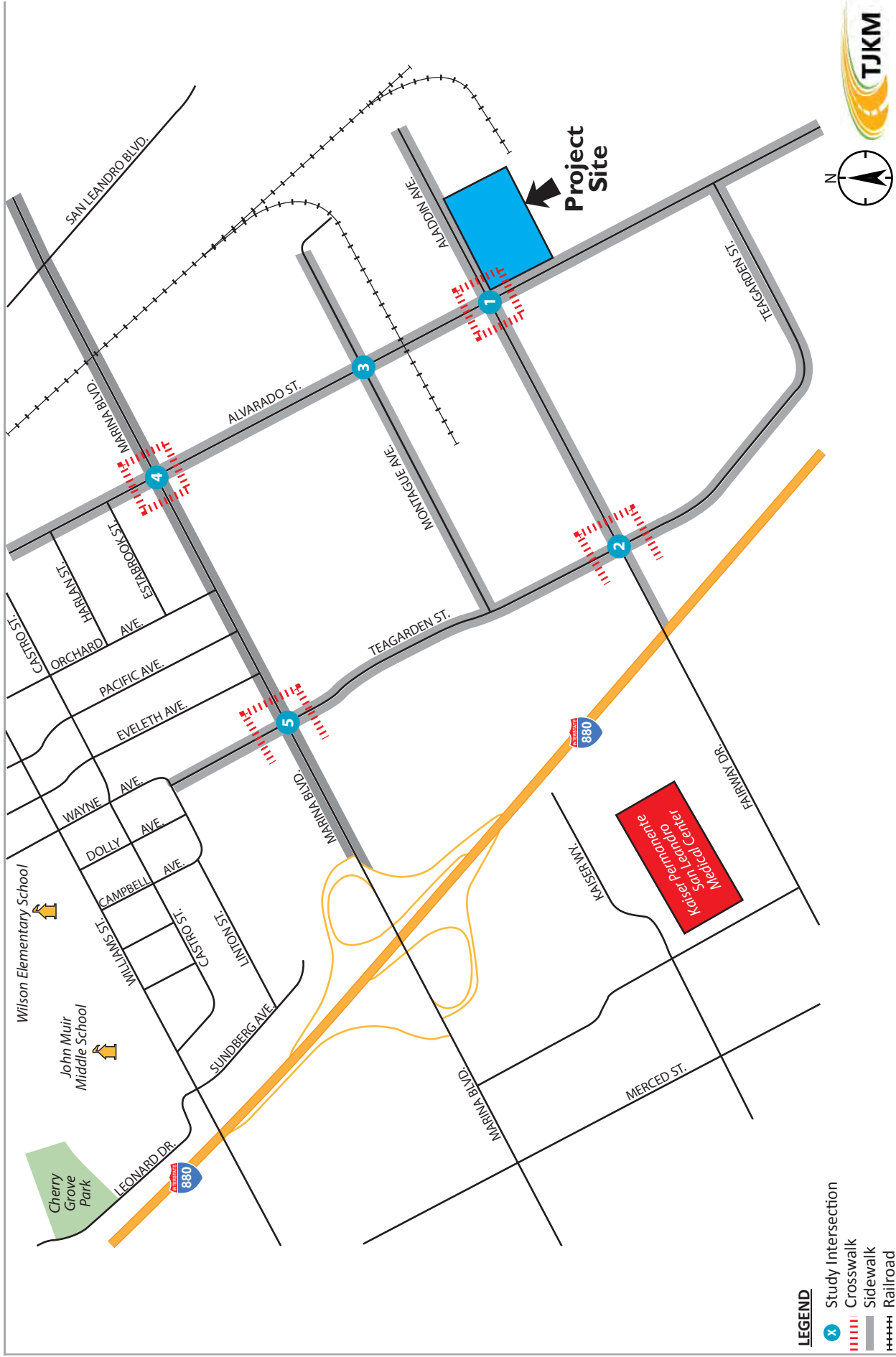
2.4 PROPOSED BICYCLE FACILITIES

The San Leandro Bicycle and Pedestrian Master Plan proposed a number of improvements to better connect the existing bicycle network in the city. In the study area, it includes the following proposed bikeways:

- Class I Bike Paths would be provided along railroad tracks that would extend along BART right-of-way across the city.
- Class II bike lanes would be provided on Alvarado Street between Aladdin Avenue and Teagarden Street.
- Class II bike lanes would be provided on Alvarado Street between Marina Boulevard and Thornton Street.

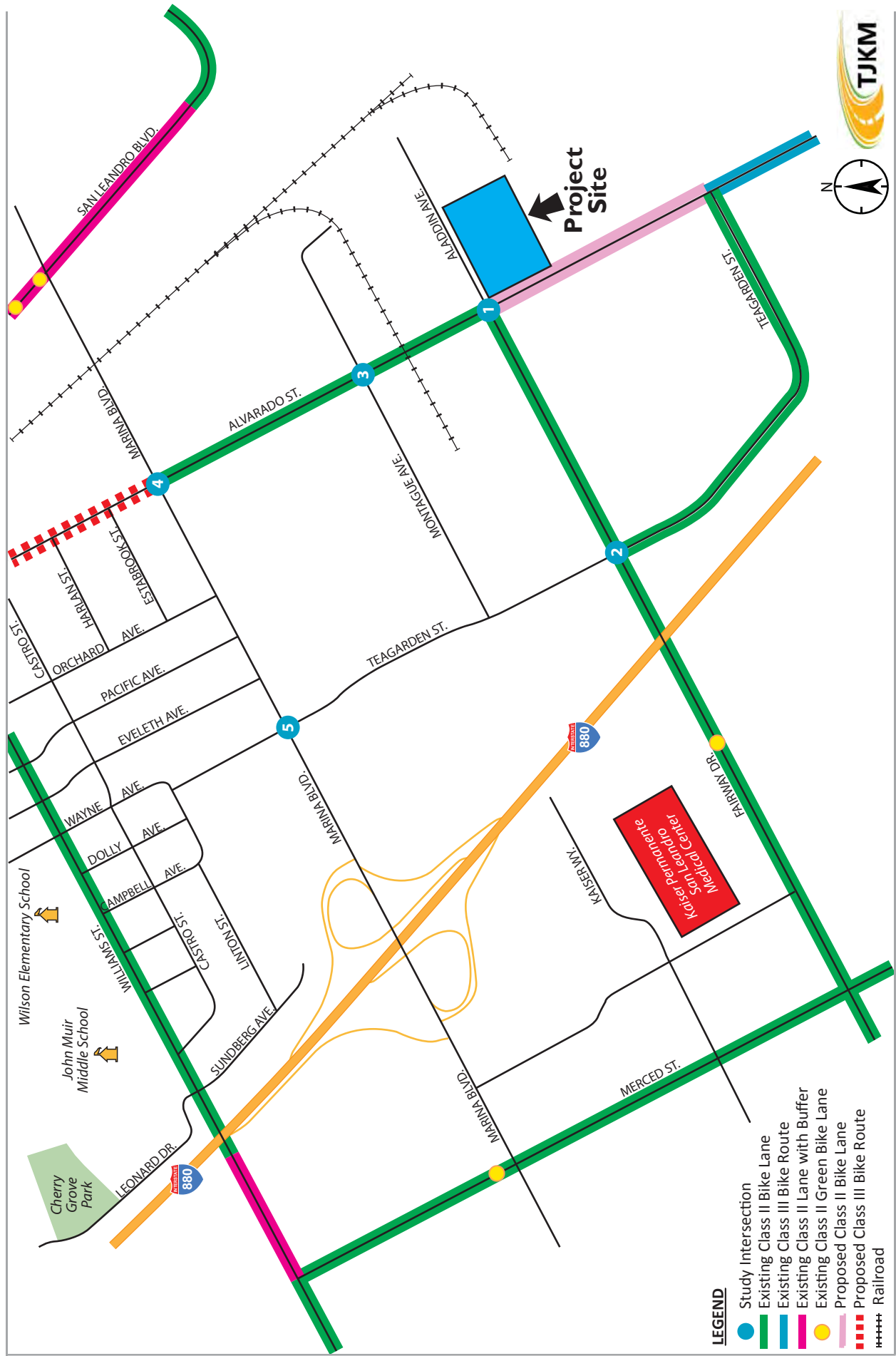
The bicycle facilities in the study area are shown in **Figure 4**.

Existing Pedestrian Facilities



- LEGEND**
- Study Intersection
 - Crosswalk
 - Sidewalk
 - Railroad

Bicycle Facilities



- LEGEND**
- Study Intersection
 - Existing Class II Bike Lane
 - Existing Class III Bike Route
 - Existing Class II Lane with Buffer
 - Existing Class II Green Bike Lane
 - Proposed Class II Bike Lane
 - Proposed Class III Bike Route
 - - - - - Railroad



Figure 4

2.5 EXISTING TRANSIT FACILITIES

San Leandro has established a well-developed transit system that includes bus and rail services provided by Alameda-Contra Costa Transit District (AC Transit), LINKS service, Bay Area Rapid Transit system (BART), and Amtrak. Such services are described below.

Bay Area Rapid Transit (BART) provides heavy-rail, regional transit service to Alameda, San Francisco, Contra Costa, and San Mateo counties from the San Leandro BART Station, located at Davis and San Leandro Streets about 2.9 miles from the project site. BART's direct service from this station includes the Richmond-Fremont line, the Dublin-Pleasanton/Daly City-Millbrae line, and the Fremont/Daly City line.

AC Transit provides bus service in Alameda and western Contra Costa Counties serving 13 cities and the unincorporated areas of Alameda County. It operates local and school buses, as well as Transbay routes to San Francisco and the Peninsula. It is also a service provider for paratransit. Additionally, AC Transit is a participating transit provider for the regional, All Nighter bus system, providing night owl bus service when BART is not operating. Buses are equipped with front-loading racks that can hold up to two bicycles.

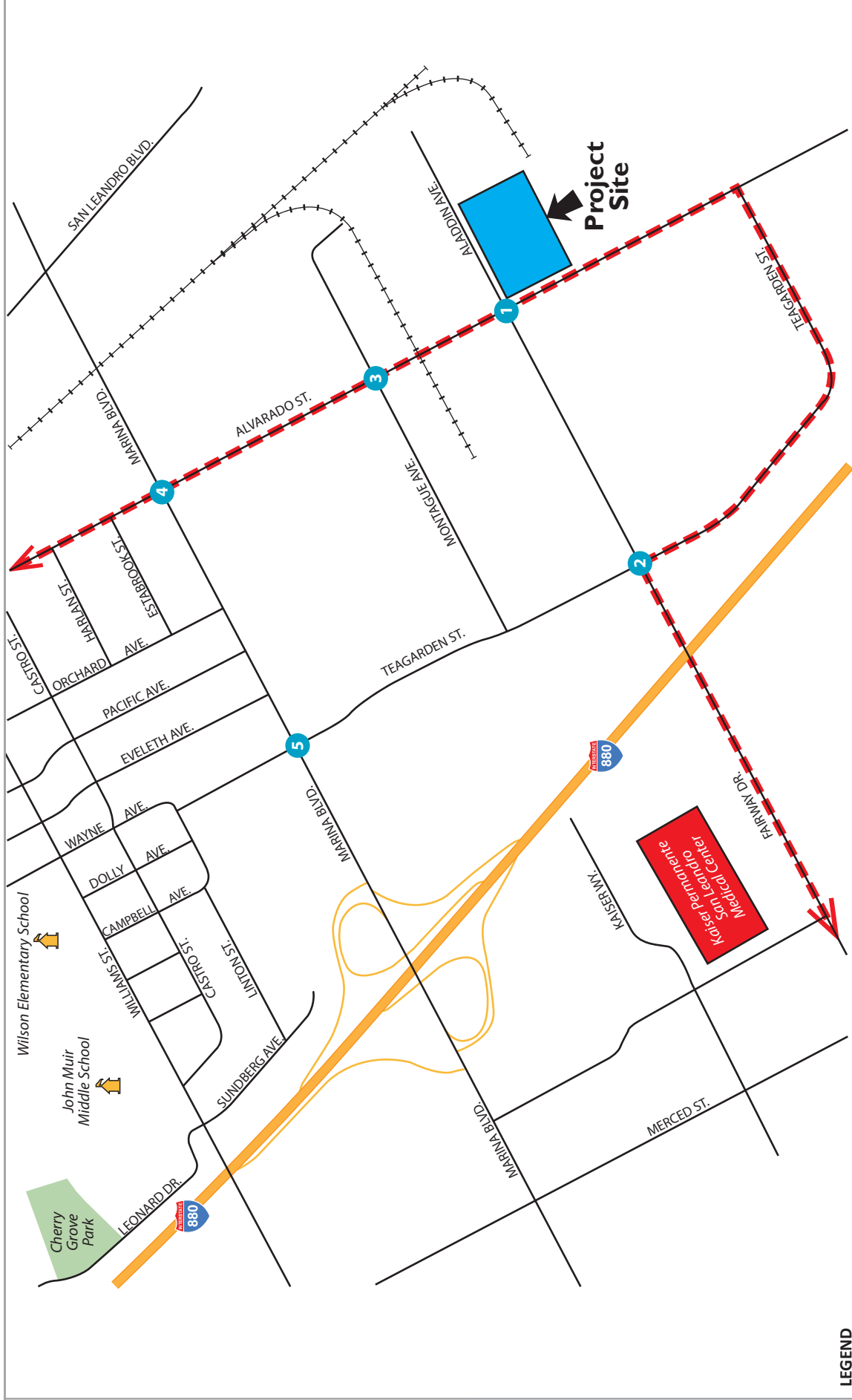
Amtrak operates interstate and intercity heavy rail service. Its Capital Corridor and Coast Starlight routes run through San Leandro just west of San Leandro Boulevard, but there are currently no Amtrak stops in the city. The Capital Corridor route is served by the Oakland Coliseum Station, which is also adjacent to a BART station, located about five miles north from the project site; while the Coast Starlight route is served by the Oakland Jack London Square Station about ten miles away. The City's General Plan calls for further exploration of an Amtrak station stop, possibly near the San Leandro BART station.

The City of San Leandro provides transportation for seniors and people with disabilities through the FLEX Shuttle service. Riders must be residents of San Leandro and must be 60 years of age or older, or at least 18 years of age and East Bay Paratransit certified FLEX Shuttle requires an annual registration fee of \$20 along with an application which must be renewed by June 30 of each year in order to continue using the shuttle; however, after the annual fee is paid, the shuttle can be used at no additional charge. The shuttle operates Monday through Friday between 9:00 a.m. and 5:00 p.m. and operates a north and south route. The northern route operates in the northern portion of San Leandro and the southern route operates in the southern half of the City.

The LINKS program is a free shuttle that provides transportation between San Leandro BART Station to major employment centers in west San Leandro. It is funded by a Business Improvement District fee and various grants including those from the Bay Area Air Quality Management District (BAAQMD). It is managed by the Transportation Management Organization and operated by M.V. Transportation. The shuttle operates every 20 minutes on non-holiday weekdays from 5:45 a.m. to 9:45 a.m., and from 3:00 p.m. to 8:00 p.m. The nearest bus stops from the project site are located on Fairway Drive.

The existing transit facilities in the study area is shown in **Figure 5**.

Existing Transit Facilities



- LEGEND**
- Study Intersection
 - - - Links Shuttle Route
 - - - - - Railroad

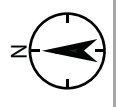


Figure 5

2.6 RAILROAD CROSSINGS

San Leandro is served by three major rail lines, linking local industrial areas with the port of Oakland, other west coast markets, and the rest of the state and nation. Following consolidation of ownership, the rail lines are under the ownership of UPRR. Spurs from each railroad provide service to industrial developments in central and west San Leandro.

Some of the roadways in the study area are bisected by at-grade railroad crossings, which are owned and operated by Union Pacific Railroad (UPRR). All of the at-grade crossings in the study area appeared to be provided with adequate features to facilitate traffic crossings for vehicles, pedestrians and bicyclists, including concrete pavement beds, warning bells and crossing gates.

2.7 EXISTING TRUCK ROUTES

Trucks comprise a small percentage of the vehicles on San Leandro streets, but have a major impact on traffic patterns and roadway needs. Many of San Leandro's businesses depend on efficient and convenient truck access. To facilitate truck traffic and avoid neighborhood conflicts, the City has designated certain thoroughfares as truck routes. These are shown in **Figure 6**. The following roadways are designated as local truck routes within the project vicinity:

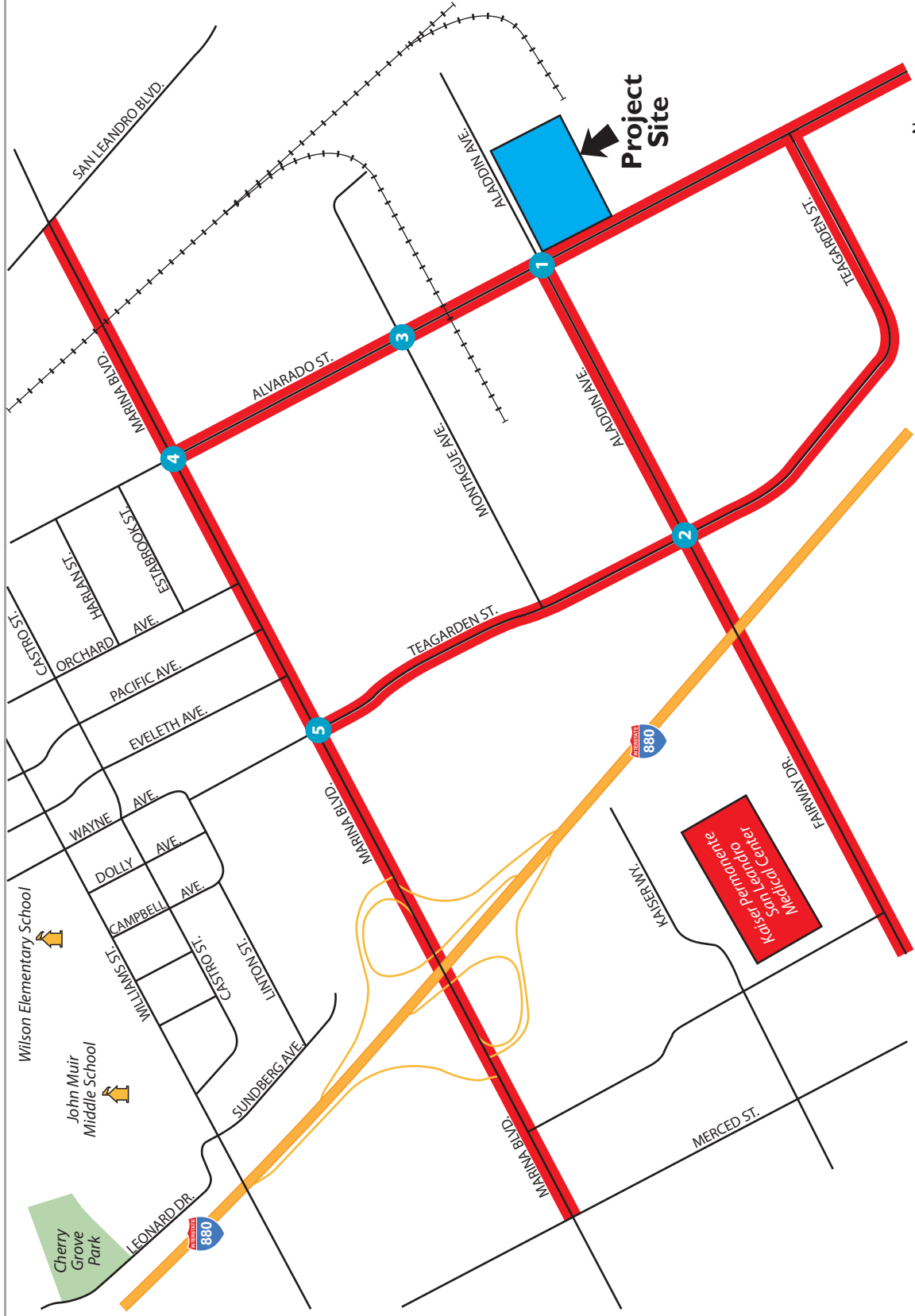
- Marina Boulevard.
- Fairway Drive/Aladdin Avenue
- Alvarado Street and
- Teagarden Street south of Marina Boulevard

The existing local truck routes in the study area are shown in **Figure 6**.

2.8 EXISTING INTERSECTION VOLUMES AND LANE CONFIGURATIONS

The existing operations of the study intersections were evaluated for the highest one-hour volume during the weekday morning and evening peak periods. Turning movement counts for vehicles, bicycles, and pedestrians were collected during weekday a.m. and p.m. peak periods at the study intersections on Thursday, November 3rd, 2016. Field verification of existing intersection lane configurations and traffic controls was also conducted and provided the basis for the level of service analysis for Existing Conditions. **Appendix A** includes all the data sheets for the collected vehicle, bicycle and pedestrian counts. **Figure 7** illustrates the existing lane geometry and traffic control at all the study intersections. **Figure 8** illustrates the existing conditions peak hour traffic volumes at all the study intersections.

Truck Routes



- LEGEND**
- Study Intersection
 - Truck Route
 - Railroad

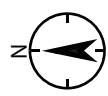
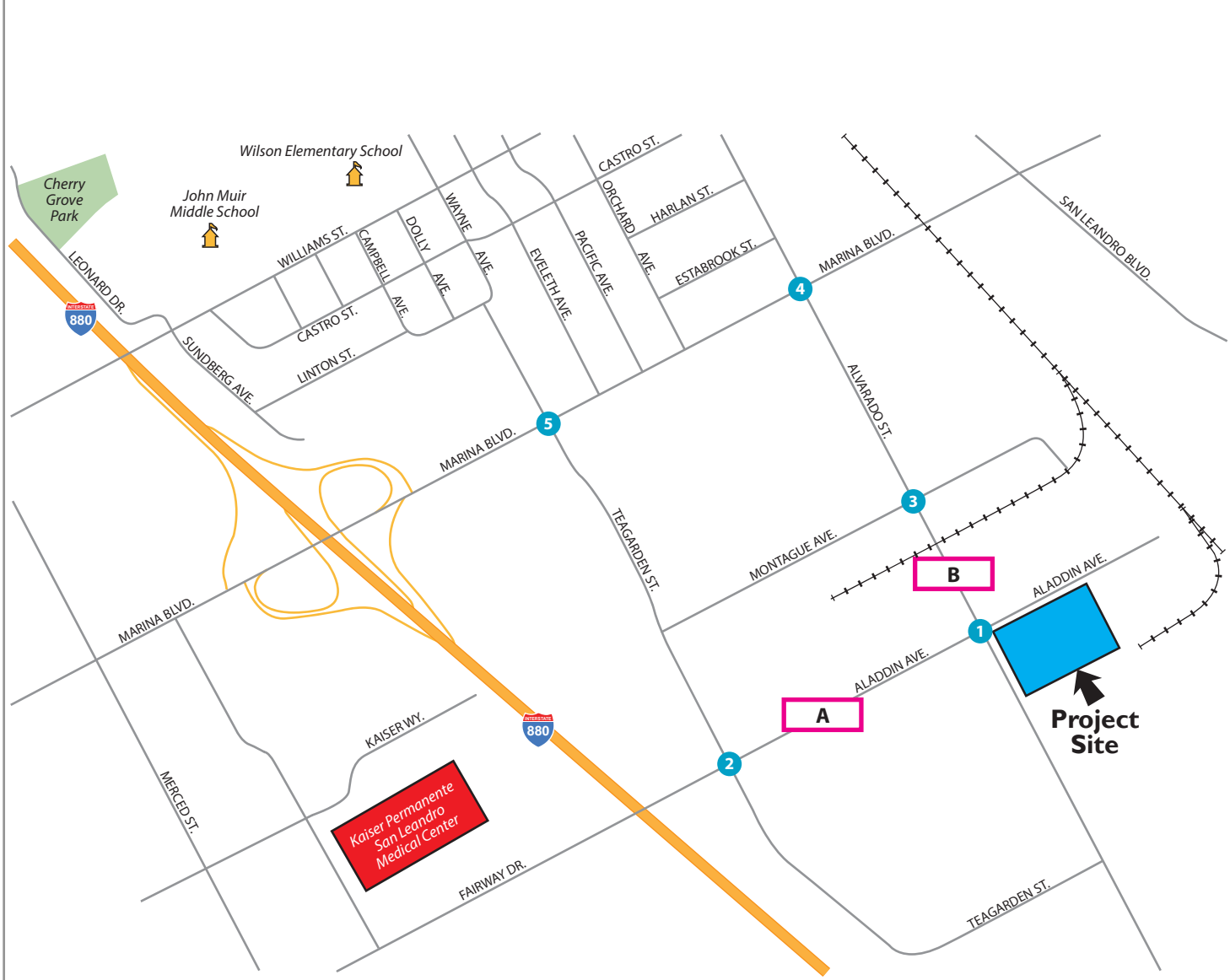


Figure 6

Existing Lane Geometry and Traffic Controls

Intersection #1 Alvarado St./ Aladdin Ave.	Intersection #2 Teagarden St./ Fairway Dr./Aladdin Ave.	Intersection #3 Alvarado St./ Montague Ave.	Intersection #4 Alvarado St./ Marina Blvd.	Intersection #5 Wayne Ave./Teagarden St./ Marina Blvd.



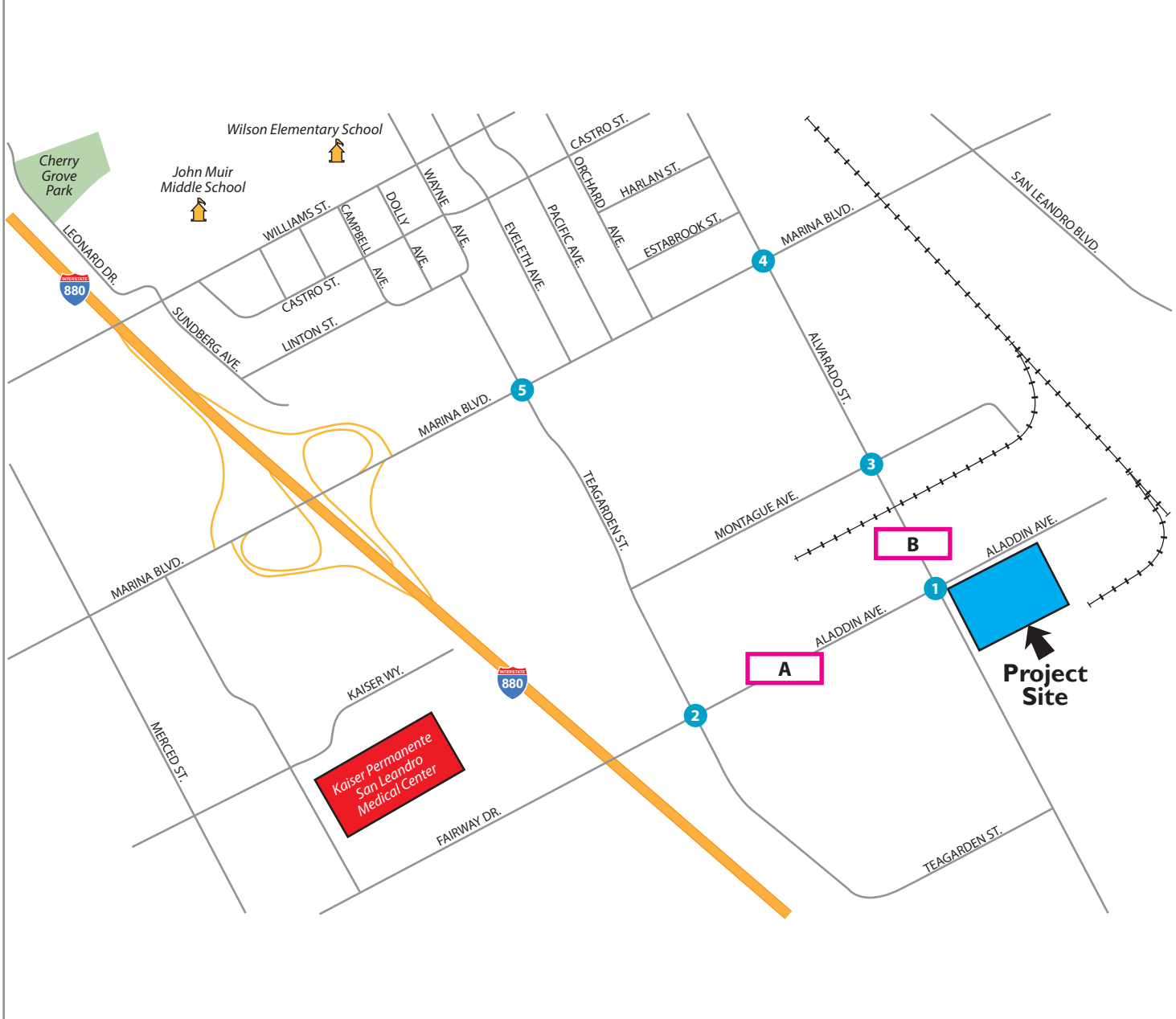
- LEGEND**
- Study Intersection
 - Traffic Signal
 - Stop Sign
 - Railroad



Figure 7

Existing Conditions Peak Hour Traffic Volumes

Intersection #1 Alvarado St./ Aladdin Ave.	Intersection #2 Teagarden St./ Fairway Dr./Aladdin Ave.	Intersection #3 Alvarado St./ Montague Ave.	Intersection #4 Alvarado St./ Marina Blvd.	Intersection #5 Wayne Ave./Teagarden St./ Marina Blvd.
<p>Alvarado St. (Northbound): 190 (134), 210 (320), 18 (7)</p> <p>Alvarado St. (Southbound): 14 (23), 4 (6), 5 (15)</p> <p>Aladdin Ave. (Westbound): 211 (212), 13 (8), 64 (188)</p> <p>Aladdin Ave. (Eastbound): 332 (133), 538 (309), 18 (5)</p>	<p>Teagarden St. (Northbound): 148 (130), 147 (195), 65 (34)</p> <p>Teagarden St. (Southbound): 46 (56), 446 (236), 8 (2)</p> <p>Fairway Dr. (Westbound): 47 (116), 250 (355), 72 (204)</p> <p>Aladdin Ave. (Eastbound): 165 (65), 95 (103), 7 (13)</p>	<p>Alvarado St. (Northbound): 19 (23), 408 (426), 33 (8)</p> <p>Alvarado St. (Southbound): 16 (21), 2 (2), 4 (10)</p> <p>Montague Ave. (Westbound): 12 (29), 1 (0), 15 (23)</p> <p>Montague Ave. (Eastbound): 85 (28), 644 (512), 26 (4)</p>	<p>Alvarado St. (Northbound): 69 (92), 187 (194), 46 (28)</p> <p>Alvarado St. (Southbound): 25 (23), 622 (500), 192 (148)</p> <p>Marina Blvd. (Westbound): 77 (88), 396 (812), 102 (99)</p> <p>Marina Blvd. (Eastbound): 197 (163), 232 (174), 235 (259)</p>	<p>Wayne Ave. (Northbound): 122 (69), 79 (89), 26 (32)</p> <p>Wayne Ave. (Southbound): 27 (24), 751 (645), 130 (198)</p> <p>Marina Blvd. (Westbound): 108 (226), 562 (917), 280 (279)</p> <p>Teagarden St. (Eastbound): 212 (282), 42 (51), 56 (153)</p>



LEGEND

- ⊙ Study Intersection
- XX AM Peak Hour Volumes
- (XX) PM Peak Hour Volumes
- ⚡ Railroad



2.9 INTERSECTION LEVEL OF SERVICE ANALYSIS – EXISTING CONDITIONS

Existing intersection lane configurations and peak hour turning movement volumes were used to calculate the levels of service for the study intersections during each peak hour. The City of San Leandro provided signal timings for the study intersections. The peak hour factor based on the counts was used to all study intersections for the existing conditions analysis and heavy vehicle composition was used as per San Leandro General Plan under existing and future conditions peak hour analysis.

The study intersections were analyzed using the 2000 Highway Capacity Manual (HCM 2000) methodology by using Synchro 9.0 software program. The results of the LOS analysis using the Synchro 9.0 software program for Existing Conditions are summarized in **Table 3**. **Appendix B** contains the corresponding calculation sheets. Under this scenario, all the intersections operate within City of San Leandro standards LOS D or better during the a.m. and p.m. peak hour except the intersection of Alvarado Street and Montague Avenue (Intersection#3) operates at LOS E during a.m. peak hour.

Table 3: Intersection Level of Service Analysis – Existing Conditions

ID	Intersection	Control	Peak Hour ¹	Existing Conditions	
				Average Delay ²	LOS ³
1	Alvarado Street and Aladdin Avenue	Signalized	AM	47.1	D
			PM	26.4	C
2	Teagarden Street and Fairway Drive/Aladdin Avenue	Signalized	AM	20.3	C
			PM	21.7	C
3	Alvarado Street and Montague Avenue	Two-Way Stop	AM	36.1	E
			PM	21.4	C
4	Alvarado Street and Marina Boulevard	Signalized	AM	30.0	C
			PM	23.9	C
5	Teagarden Street and Marina Boulevard	Signalized	AM	25.9	C
			PM	35.2	D

Notes:

¹ AM – morning peak hour (between 7 and 9 a.m.), PM – evening peak hour (between 4 and 6 p.m.)

² Whole intersection weighted average control delay expressed in seconds per vehicle for signalized intersections. Total control delay for the worst movement is presented for side-street stop – controlled intersections.

³ LOS – Level of Service calculations conducted using the Synchro 9.0 level of service analysis software package, which applies the methodology described in the HCM 2000.

Bold text indicates intersection operates at a deficient Level of Service.

3.0 EXISTING PLUS PROJECT CONDITIONS

The impacts of the proposed project on the transportation system are discussed in this chapter. First, the method used to estimate the amount of traffic generated by the project is described. Then, the results of the level of service calculations for Existing plus Project Conditions are presented. (Existing plus Project Conditions are defined as Existing Conditions plus traffic generated by the proposed project). A comparison of intersections under Existing plus Project Conditions and Existing Conditions is presented and the impacts of the project on the study intersections are discussed.

The amount of traffic added to the roadway system by the proposed development is estimated using a three-step process.

- Trip Generation – Estimates the amount of traffic added to the roadway network,
- Trip Distribution – Estimates the direction of travel to and from the project site,
- Trip Assignment – The new trips are assigned to specific street segments and intersection turning movements.

3.1 PROJECT TRIP GENERATION

TJKM developed estimated project trip generation for the proposed project based on published trip generation rates from the Institute of Transportation Engineer’s (ITE) publication Trip Generation (9th Edition). TJKM used published trip rates for Warehousing (ITE Code 150) for this project. The site plan shows 139,500 square feet for warehousing and 20,000 square feet for office. TJKM used 159,450 square feet of warehousing since ITE Land Use Code 150 includes office uses. TJKM applied existing trip credits by conducting the existing driveway counts at the proposed site on November 3rd, 2016. The proposed project is expected to generate a net of 18 weekday a.m. peak hour trips (13 inbound, five outbound) and a net of 23 weekday p.m. peak hour trips (four inbound, 19 outbound). **Table 4** shows the trip generation for the proposed project.

Table 4: Proposed Project Trip Generation

Land Use	Building Area (k.s.f)	Daily			AM Peak			PM Peak					
		Rate	Trips	Rate	In/Out %	In	Out	Total	Rate	In/Out %	In	Out	Total
Warehouse (ITE Code 150) ¹	159.450	3.56	570	0.30	79/21	38	10	48	0.32	25/75	13	38	51
Existing Driveway Counts ²			174			25	5	30			9	19	28
Net Total Trips	160		396			13	5	18			4	19	23

Notes:

Source: ITE Trip Generation Manual, 9th Edition, 2012

k.s.f = Thousand Square Feet

¹Warehousing (ITE Land Use Code 150) vehicle trip rates are used based upon number of thousand square feet gross floor area.

²Existing Driveway Counts on site were conducted on 11/03/2016.

3.2 PROJECT TRIP DISTRIBUTION AND ASSIGNMENT

Trip distribution is a process that determines in what proportion vehicles would be expected to travel between the project site and various destinations outside the project study area. Assignment determines the various routes that vehicles would take from the project site to each destination using the calculated trip distribution. Trip distribution assumptions for the proposed project were developed based on the existing travel patterns, knowledge of the study area and consultation with the City staff. The trip distribution patterns are shown on **Figure 9**.

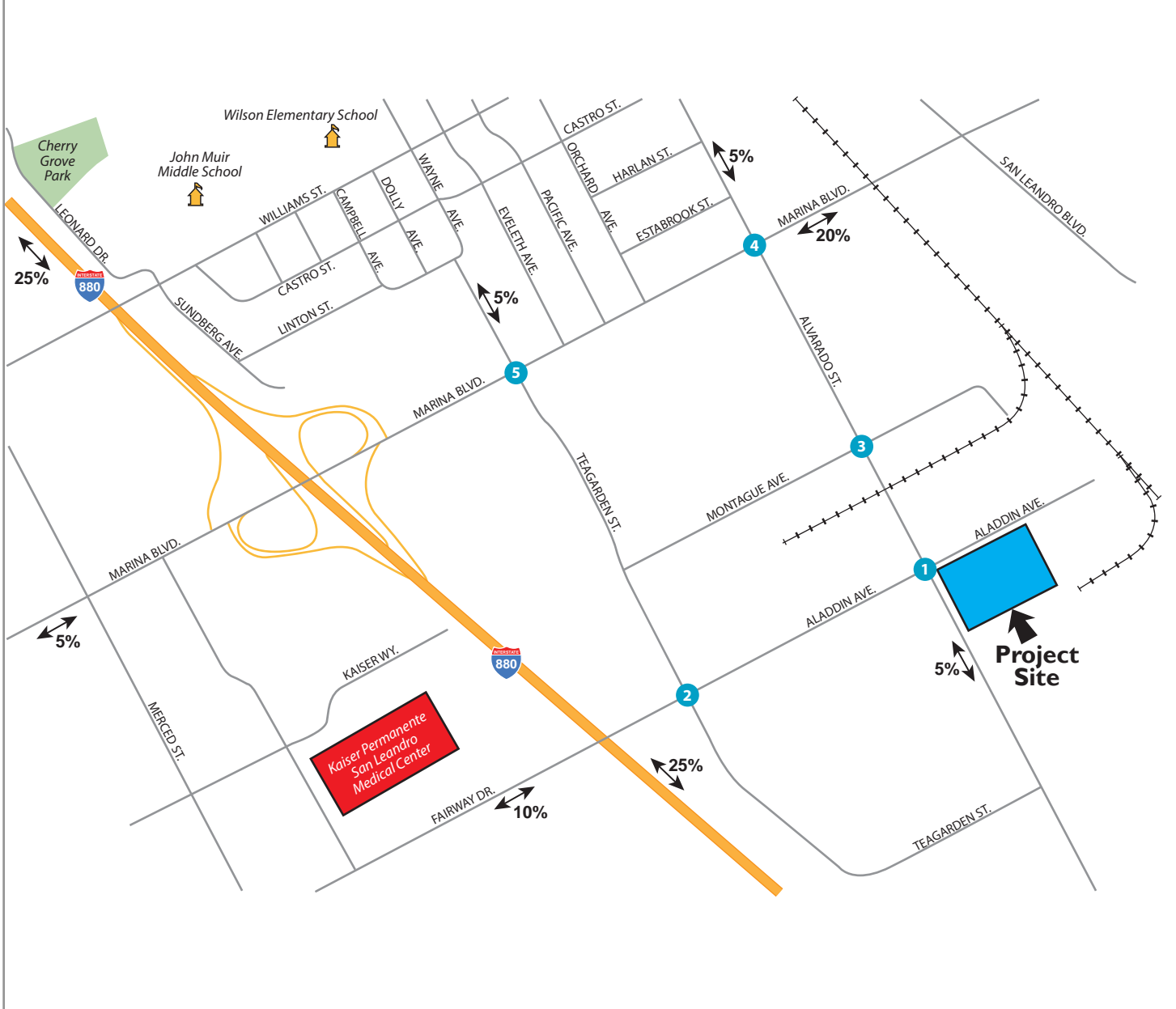
The distribution assumptions are as follows:

- 5 percent to/from north of Alvarado Street
- 5 percent to/from south of Alvarado Street
- 5 percent to/from Wayne Avenue
- 5 percent to/from west of Marina Boulevard
- 10 percent to/from west of Fairway Drive
- 20 percent to/from east of Marina Boulevard
- 25 percent to/from north of I-880
- 25 percent to/from south of I-880

Project trips were assigned to the roadway network based on the trip distribution patterns discussed above. **Figure 9** illustrates the a.m. and p.m. peak hour project trips assigned to each turning movement at the study intersections. The assigned project trips were then added to traffic volumes under Existing Conditions to generate Existing plus Project Conditions traffic volumes.

Project Trip Distribution and Assignment

Intersection #1 Alvarado St./ Aladdin Ave.	Intersection #2 Teagarden St./ Fairway Dr./Aladdin Ave.	Intersection #3 Alvarado St./ Montague Ave.	Intersection #4 Alvarado St./ Marina Blvd.	Intersection #5 Wayne Ave./Teagarden St./ Marina Blvd.
<p>Alvarado St. (Northbound): 8 (2) Alvarado St. (Southbound): 1 (5), 1 (3), 0 (1) Aladdin Ave. (Westbound): 4 (2) Aladdin Ave. (Eastbound): 1 (4), 2 (6)</p>	<p>Teagarden St. (Northbound): 3 (1) Teagarden St. (Southbound): 1 (5), 1 (2) Fairway Dr. (Westbound): 1 (1) Aladdin Ave. (Eastbound): 1 (1)</p>	<p>Alvarado St. (Northbound): 8 (2) Alvarado St. (Southbound): 3 (11)</p>	<p>Alvarado St. (Northbound): 1 (0) Alvarado St. (Southbound): 3 (1) Marina Blvd. (Westbound): 4 (1) Marina Blvd. (Eastbound): 2 (7), 0 (0), 1 (4)</p>	<p>Wayne Ave. (Northbound): 0 (0) Wayne Ave. (Southbound): 0 (1), 2 (6) Marina Blvd. (Westbound): 4 (1), 3 (1) Teagarden St. (Eastbound): 1 (5)</p>



LEGEND

- Study Intersection
- XX AM Peak Hour Trips
- (XX) PM Peak Hour Trips
- XX% Trip Distribution
- ++++ Railroad



3.3 INTERSECTION LEVEL OF SERVICE ANALYSIS – EXISTING PLUS PROJECT CONDITIONS

Intersection levels of service were calculated with the new traffic added by the proposed project to existing volumes to evaluate the operating conditions of the intersections and identify potential impacts to the roadway system. The results of the intersection level of service calculations for Existing plus Project Conditions are presented in **Table 5. Appendix C** contains the corresponding calculation sheets. The results for Existing Conditions are included for comparison purpose, along with the projected increases in delay. The changes in delay between Existing and Existing plus Project Conditions are used to identify significant impacts. **Figure 10** shows projected turning movement volumes at all the study intersections for Existing plus Project Conditions.

Under this scenario, all the intersections operate within City of San Leandro standards LOS D or better during the a.m. and p.m. peak hours except for the intersection of Alvarado Street and Montague Avenue (Intersection #3) which operates at LOS E during a.m. peak hour. Based on the City of San Leandro impact criteria the project is expected to have a *less-than-significant impact* at all the study intersections.

Table 5: Intersection Level of Service Analysis – Existing plus Project Conditions

No	Intersections	Control	Peak Hour ¹	Existing Conditions		Existing with Project Conditions		Change in Delay ⁴ (Sec)
				Delay ²	LOS ³	Delay ²	LOS ³	
1	Alvarado Street and Aladdin Avenue	Signalized	AM	47.1	D	47.7	D	0.90
			PM	26.4	C	26.7	C	0.30
2	Teagarden Street and Fairway Drive/Aladdin Avenue	Signalized	AM	20.3	C	20.5	C	0.20
			PM	21.7	C	21.6	C	-0.10
3	Alvarado Street and Montague Avenue	Two-Way Stop	AM	36.1	E	37.1	E	1.00
			PM	21.4	C	21.8	C	0.40
4	Alvarado Street and Marina Boulevard	Signalized	AM	30.0	C	30.1	C	0.20
			PM	23.9	C	24.0	C	0.10
5	Teagarden Street and Marina Boulevard	Signalized	AM	25.9	C	25.8	C	-0.10
			PM	35.2	D	35.3	D	0.10

Notes:

¹AM – morning peak hour (between 7 and 9 a.m.), PM – evening peak hour (between 4 and 6 p.m.)

²Whole intersection weighted average control delay expressed in seconds per vehicle for signalized intersections. Total control delay for the worst movement is presented for side-street stop – controlled intersections.

³LOS – Level of Service calculations conducted using the Synchro 9.0 level of service analysis software package, which applies the methodology described in the HCM 2000.

⁴Change in delay between Existing and Existing plus Project Conditions.

Bold text indicates intersection operates at a deficient Level of Service.

The peak-hour signal warrant from the California Manual of Uniform Traffic Control Devices (CA MUTCD) was evaluated for the unsignalized intersection Alvarado Street and Montague Avenue (Intersection # 3), which operates at unacceptable LOS under Existing and Existing plus Project Conditions to determine if a traffic signal is warranted. The unsignalized intersection Alvarado Street and Montague Avenue (Intersection #3) do not meet CA MUTCD peak hour signal warrant in a.m. peak hour for Existing and Existing plus Project Conditions. MUTCD peak hour signal warrants sheets conditions are contained in **Appendix C**.

3.4 ROADWAY SEGMENT LEVEL OF SERVICE ANALYSIS – EXISTING PLUS PROJECT CONDITIONS

The analysis methodology used to analyze roadway facilities is described in the LOS analysis methodology section. 24-hour bi-directional counts were collected for the listed roadway segments in the month of November 2016. **Table 6** below summarizes the study roadway segment operations under existing and existing plus project conditions and includes Facility type, Hourly Traffic Volumes, and LOS information for each study roadway segment. All the roadway segments are expected to be operating at a satisfactory LOS D or better. Based on the City of San Leandro and Alameda County CMP impact criteria, the proposed project will have a *less-than-significant* impact on the study roadway segments under Existing plus Project Conditions during both a.m. and p.m. peak hours.

Table 6: Roadway Segment Level of Service Analysis - Existing plus Project Conditions

Study Segments	Existing No Project Volume	Existing plus Project Volume	Change in V/C¹ Ratio	Change in Volume	Existing No Project LOS²	Existing Plus Project LOS²	Change in V/C¹ > 0.03	Significant Impact
Northbound/Eastbound								
AM Peak Hour								
Aladdin Avenue between Teagarden Street and Alvarado Street	310	314	0.01	4 (1.3%)	D	D	No	No
Alvarado Street between Aladdin Avenue and Montague Avenue	665	668	0.00	3 (0.5%)	D	D	No	No
PM Peak Hour								
Aladdin Avenue between Teagarden Street and Alvarado Street	382	384	0.00	2 (0.5%)	D	D	No	No
Alvarado Street between Aladdin Avenue and Montague Avenue	563	574	0.01	11 (2.0%)	D	D	No	No
Southbound/Westbound								
AM Peak Hour								
Aladdin Avenue between Teagarden Street and Alvarado Street	457	459	0.00	2 (0.4%)	D	D	No	No
Alvarado Street between Aladdin Avenue and Montague Avenue	385	393	0.01	8 (2.1%)	D	D	No	No
PM Peak Hour								
Aladdin Avenue between Teagarden Street and Alvarado Street	293	300	0.01	7 (2.4%)	D	D	No	No
Alvarado Street between Aladdin Avenue and Montague Avenue	418	420	0.00	2 (0.5%)	D	D	No	No

Notes:

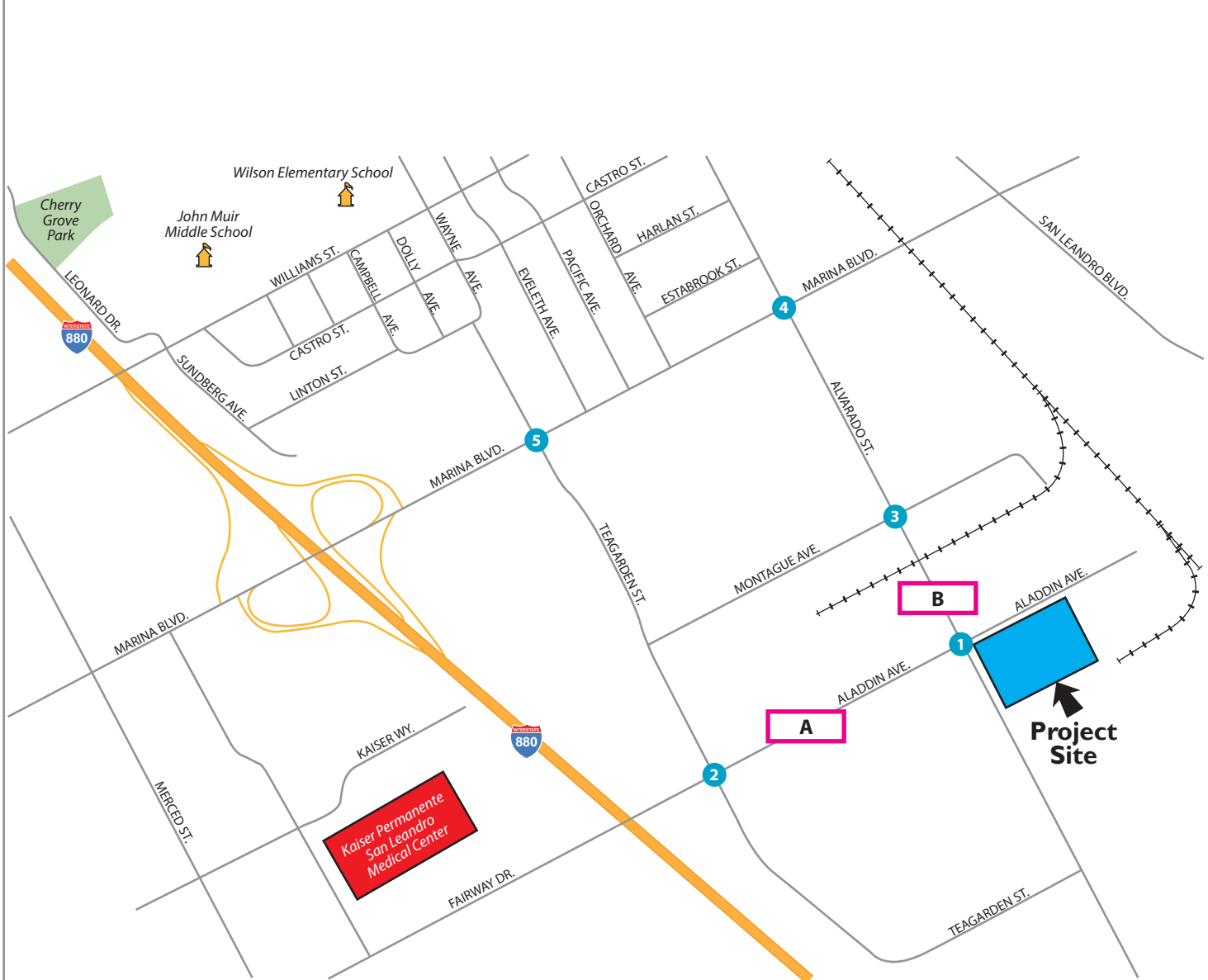
AM – morning peak hour (between 7 and 9 a.m.), PM – evening peak hour (between 4 and 6 p.m.)

¹Volume to Capacity ratio,

²LOS – Levels of Service,

Existing plus Project Conditions Peak Hour Traffic Volumes

Intersection #1 Alvarado St./ Aladdin Ave.	Intersection #2 Teagarden St./ Fairway Dr./Aladdin Ave.	Intersection #3 Alvarado St./ Montague Ave.	Intersection #4 Alvarado St./ Marina Blvd.	Intersection #5 Wayne Ave./Teagarden St./ Marina Blvd.
<p>Alvarado St. (Northbound): 190 (134), 210 (320), 26 (9)</p> <p>Alvarado St. (Southbound): 15 (28), 5 (9), 5 (16)</p> <p>Aladdin Ave. (Westbound): 211 (212), 17 (10), 64 (188)</p> <p>Aladdin Ave. (Eastbound): 333 (137), 540 (315), 18 (5)</p>	<p>Teagarden St. (Northbound): 148 (130), 147 (195), 68 (35)</p> <p>Teagarden St. (Southbound): 47 (61), 447 (238), 8 (2)</p> <p>Fairway Dr. (Westbound): 47 (116), 251 (356), 72 (204)</p> <p>Aladdin Ave. (Eastbound): 165 (65), 95 (103), 7 (13)</p>	<p>Alvarado St. (Northbound): 19 (23), 416 (428), 33 (8)</p> <p>Alvarado St. (Southbound): 16 (21), 2 (2), 4 (10)</p> <p>Montague Ave. (Westbound): 12 (29), 1 (0), 15 (23)</p> <p>Montague Ave. (Eastbound): 85 (28), 647 (523), 26 (4)</p>	<p>Alvarado St. (Northbound): 69 (92), 188 (194), 46 (28)</p> <p>Alvarado St. (Southbound): 25 (23), 622 (500), 195 (149)</p> <p>Marina Blvd. (Westbound): 77 (88), 396 (812), 106 (100)</p> <p>Marina Blvd. (Eastbound): 199 (170), 232 (174), 236 (263)</p>	<p>Wayne Ave. (Northbound): 122 (69), 79 (89), 26 (32)</p> <p>Wayne Ave. (Southbound): 27 (25), 753 (651), 130 (198)</p> <p>Marina Blvd. (Westbound): 108 (226), 566 (918), 283 (280)</p> <p>Teagarden St. (Eastbound): 213 (287), 42 (51), 56 (153)</p>



LEGEND

- X Study Intersection
- XX AM Peak Hour Volumes
- (XX) PM Peak Hour Volumes
- ++++ Railroad



3.5 QUEUING ANALYSIS AT THE STUDY INTERSECTIONS

TJKM conducted a vehicle queuing and storage analysis for all exclusive left and right turn pockets at the study intersections where project traffic is added under Existing plus Project Conditions. The 95th percentile (maximum) queues were analyzed using the HCM 2000 Queue methodology contained in Synchro 9.0 software for the exclusive left turn/right turn pockets at the study intersections where project traffic is added. Detailed calculations are included in the LOS appendices corresponding to each analysis scenario. **Table 7** summarizes the 95th percentile queue lengths at the study intersections under Existing and Existing plus Project Conditions scenarios, rounded to the nearest average vehicle length. It should be noted that queue lengths at some locations exceed capacity creating a deficient condition; however, the project would add less than one vehicle to the average design queue length. The proposed project does not create a significant impact by itself on the expected left-turn or right-turn queues at the study intersections.

Table 7: 95th Percentile Queues – Existing plus Project Conditions

ID	Study Intersections	Lane Group	Storage Length per lane	Existing Conditions		Existing plus Project Conditions		Change	
				AM	PM	AM	PM	AM	PM
1	Alvarado Street and Aladdin Avenue	EBL	225	280	280	280	280		
		WBL	90	20	20	20	20	0	0
		NBL	120	480	160	480	160	0	0
		SBL	120	40	20	40	20	0	0
		SBTR	150	100	180	100	180	0	0
2	Teagarden Street and Fairway Drive/Aladdin Avenue	EBL	120	60	160	60	160	0	0
		WBL	160	20	20	20	20	0	0
		NBL	150	120	60	120	60	0	0
		SBL	55	40	40	40	40	0	0
3	Alvarado Street and Montague Avenue	NBL	80	20	0	20	0	0	0
		SBL	60	0	0	0	0	0	0
4	Alvarado Street and Marina Boulevard	EBL	140	20	100	20	100	0	0
		EBR	140	100	0	100	0	0	0
		WBL	125	240	160	240	160	0	0
		NBL	130	100	80	100	80	0	0
		NBR	130	40	60	40	60	0	0
		SBL	130	40	20	40	20	0	0
5	Teagarden Street and Marina Boulevard	EBL	130	120	320	120	320	0	0
		EBR	400	60	60	60	60	0	0
		WBL	175	140	260	140	260	0	0
		NBL	120	120	160	120	160	0	0
		NBR	200	0	40	0	40	0	0
		SBR	90	40	20	40	20	0	0

Notes: Storage length and 95th percentile queue is expressed in feet per lane
Queue length is rounded to nearest twenty feet.

indicates 95th percentile volume exceeds capacity, queue may be longer
m indicates volume for 95th percentile queue is metered by upstream signal
Bold indicates storage length exceeded.

4.0 CUMULATIVE (YEAR 2035) CONDITIONS

This chapter presents the results of the level of service calculations under Cumulative Conditions without the project. Cumulative No Project Conditions are defined as conditions within the next 19 years (Year 2035). Level of service analyses at the study intersections were conducted for Cumulative (Year 2035) Conditions to establish a base to evaluate the impacts due to the addition of traffic from the proposed project. In this scenario, Cumulative volumes were used from the San Leandro General Plan and recent studies within the vicinity of the project. **Figure 11** shows turning movement volumes at all the study intersections for Cumulative Conditions. Optimized signal timings and a peak hour factor of 0.92 was used for all the study intersections for Cumulative Conditions analysis. Lane geometries and traffic controls are assumed to be identical to those under Existing Conditions.

4.1 INTERSECTIONS LEVEL OF SERVICE ANALYSIS – CUMULATIVE (YEAR 2035) CONDITIONS

The intersection LOS analysis results for Cumulative (Year 2035) Conditions are summarized in **Table 8**. Detailed calculation sheets for Cumulative Conditions are contained in **Appendix D**. Under this scenario, all the intersections operate within City of San Leandro standards LOS D or better during the a.m. and p.m. peak hours except for the intersection of Alvarado Street and Montague Avenue (Intersection #3) which operates at LOS F during the a.m. peak hour and LOS E during the p.m. peak hour.

Table 8: Intersection Level of Service Analysis – Cumulative (Year 2035) Conditions

ID	Intersection	Control	Peak Hour ¹	Cumulative (Year 2035) Conditions	
				Average Delay ²	LOS ³
1	Alvarado Street and Aladdin Avenue	Signalized	AM	50.2	D
			PM	30.5	C
2	Teagarden Street and Fairway Drive/Aladdin Avenue	Signalized	AM	42.2	D
			PM	51.9	D
3	Alvarado Street and Montague Avenue	Two-Way Stop	AM	319.5	F
			PM	39.9	E
4	Alvarado Street and Marina Boulevard	Signalized	AM	25.9	C
			PM	27.3	C
5	Teagarden Street and Marina Boulevard	Signalized	AM	32.2	C
			PM	32.0	C

Notes:

¹AM – morning peak hour (between 7 and 9 a.m.), PM – evening peak hour (between 4 and 6 p.m.)

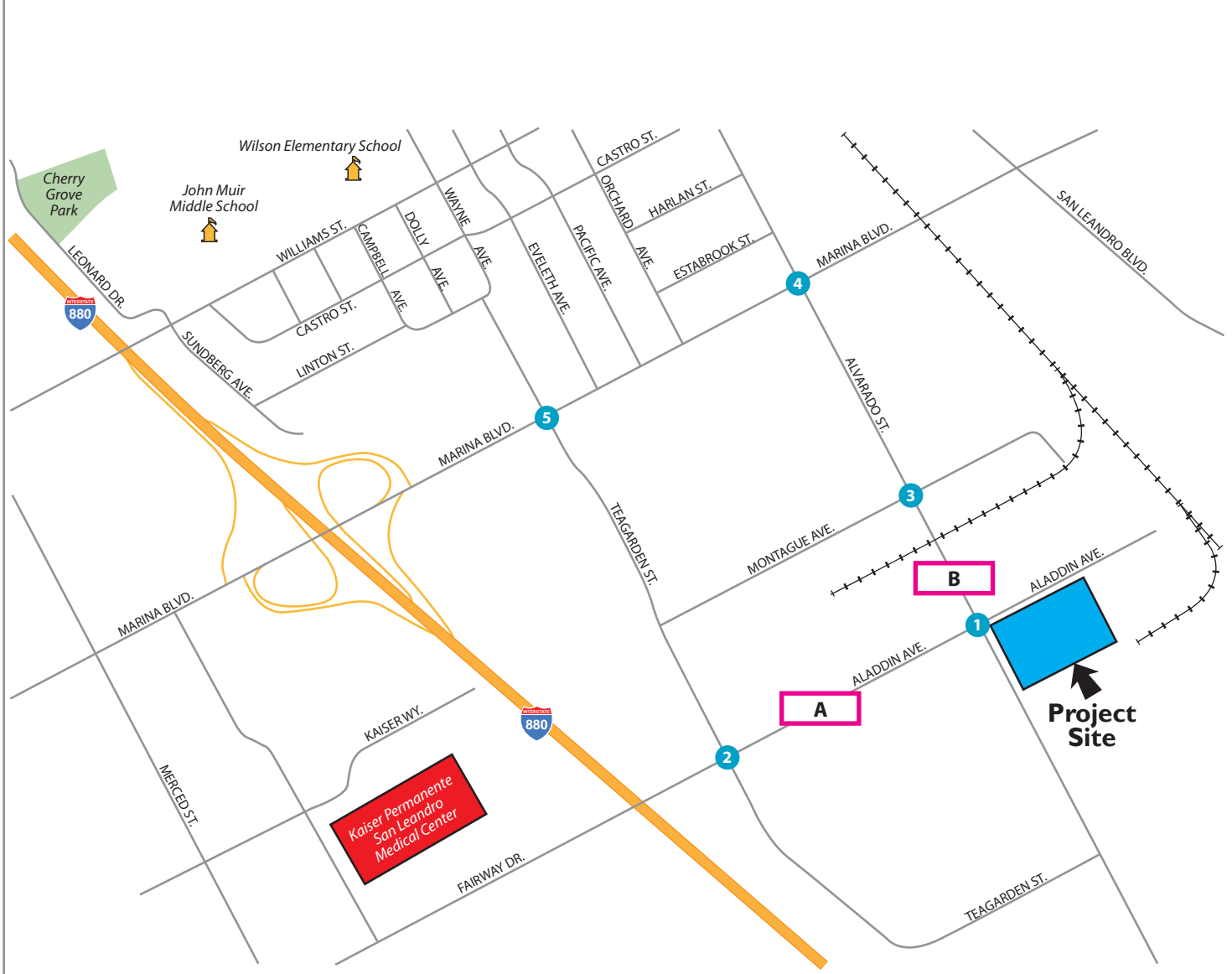
²Whole intersection weighted average control delay expressed in seconds per vehicle for signalized intersections. Total control delay for the worst movement is presented for side-street stop – controlled intersections.

³LOS – Level of Service calculations conducted using the Synchro 9.0 level of service analysis software package, which applies the methodology described in the HCM 2000.

Bold text indicates intersection operates at a deficient Level of Service.

Cumulative (2035) Project Conditions Peak Hour Traffic Volumes

Intersection #1 Alvarado St./ Aladdin Ave.	Intersection #2 Teagarden St./ Fairway Dr./Aladdin Ave.	Intersection #3 Alvarado St./ Montague Ave.	Intersection #4 Alvarado St./ Marina Blvd.	Intersection #5 Wayne Ave./Teagarden St./ Marina Blvd.
<p>Alvarado St. → 12 (19) ← 7 (8) ← 1 (9)</p> <p>Aladdin Ave. → 250 (244) ← 11 (10) ← 80 (492)</p> <p>→ 563 (140) ← 819 (313) ← 8 (8)</p>	<p>Teagarden St. → 40 (64) ← 805 (399) ← 13 (3)</p> <p>Fairway Dr. → 43 (117) ← 284 (862) ← 65 (208)</p> <p>Aladdin Ave. → 149 (69) ← 111 (101) ← 11 (19)</p>	<p>Alvarado St. → 16 (25) ← 2 (2) ← 4 (12)</p> <p>Montague Ave. → 12 (35) ← 1 (0) ← 15 (28)</p> <p>→ 85 (34) ← 1,081 (569) ← 26 (5)</p>	<p>Alvarado St. → 14 (31) ← 779 (618) ← 106 (195)</p> <p>Marina Blvd. → 64 (80) ← 604 (840) ← 151 (159)</p> <p>→ 287 (154) ← 256 (157) ← 247 (211)</p>	<p>Wayne Ave. → 34 (30) ← 1,037 (748) ← 127 (151)</p> <p>Marina Blvd. → 124 (193) ← 769 (1,006) ← 410 (258)</p> <p>Teagarden St. → 200 (365) ← 32 (23) ← 72 (103)</p>



LEGEND

- ⊗ Study Intersection
- XX AM Peak Hour Volumes
- (XX) PM Peak Hour Volumes
- Railroad



5.0 CUMULATIVE PLUS PROJECT CONDITIONS

This scenario is identical to Cumulative Conditions, with the addition of projected traffic from the proposed development of the project. Trip generation, distribution, and assignment for the proposed project are identical to that assumed under Existing plus Project Conditions. **Figure 12** shows projected turning movement volumes at all the study intersections for Cumulative plus Project Conditions.

5.1 INTERSECTION LEVEL OF SERVICE ANALYSIS – CUMULATIVE PLUS PROJECT CONDITIONS

The intersection LOS analysis results for Cumulative plus Project Conditions are summarized in **Table 9**. Detailed calculation sheets for Cumulative plus Project Conditions are contained in **Appendix E**. Under this scenario, all the intersections operate within City of San Leandro standards LOS D or better during the a.m. and p.m. peak hours except for the intersection of Alvarado Street and Montague Avenue (Intersection #3) which operates at LOS F during the a.m. peak hour and LOS E during the p.m. peak hour.

Table 9: Intersection Level of Service Analysis - Cumulative plus Project Conditions

No	Intersections	Control	Peak Hour ¹	Cumulative Conditions		Cumulative with Project Conditions		Change in Delay ⁴ (Sec)
				Delay ²	LOS ³	Delay ²	LOS ³	
1	Alvarado Street and Aladdin Avenue	Signalized	AM	50.2	D	52.2	D	1.9
			PM	30.5	C	31.7	C	1.2
2	Teagarden Street and Fairway Drive/Aladdin Avenue	Signalized	AM	42.2	D	42.5	D	0.3
			PM	51.9	D	51.9	D	0.5
3	Alvarado Street and Montague Avenue	Two-Way Stop	AM	319.5	F	362.5	F	39.6
			PM	39.9	E	41.3	E	1.4
4	Alvarado Street and Marina Boulevard	Signalized	AM	25.9	C	25.9	C	0.0
			PM	27.3	C	27.6	C	0.3
5	Teagarden Street and Marina Boulevard	Signalized	AM	32.2	C	32.2	C	0.0
			PM	32.0	C	32.0	C	0.0

Notes:

¹AM – morning peak hour (between 7 and 9 a.m.), PM – evening peak hour (between 4 and 6 p.m.)

²Whole intersection weighted average control delay expressed in seconds per vehicle for signalized intersections. Total control delay for the worst movement is presented for side-street stop – controlled intersections.

³LOS – Level of Service calculations conducted using the Synchro 9.0 level of service analysis software package, which applies the methodology described in the HCM 2000.

⁴Change in delay between Existing and Existing plus Project Conditions.

Bold text indicates intersection operates at a deficient Level of Service.

The proposed project adds traffic at the intersection of Alvarado Street and Montague Avenue (Intersection #3), projected to operate at LOS F during the a.m. peak hour and LOS E during the p.m. peak hour under Cumulative Conditions both with and without the project traffic. It should be noted that during the both a.m. and p.m. peak hours, the worst movement for this side-street stop controlled intersection is the eastbound approach (LOS F) with 391.5 seconds of delay in the a.m. peak hour. In the a.m. peak hour the projected volume is 28 vehicles on the eastbound approach; thus the LOS F operations only applies to those 28 vehicles in the a.m. peak hour. None of these 28 vehicles are generated by the project. The project traffic on Alvarado Street increases the delay for side street motorists from 319.5 seconds to 362.5 seconds. The major street (Alvarado Street) volumes are very high on both approaches;

on the minor street (Montague Avenue) there are very few acceptable gaps during the morning peak. In particular, the eastbound left turners experience long wait times at this intersection. Thus, the LOS F operations only apply to the Montague Avenue eastbound approach. If this were a signalized intersection, the standard practice would be to report the average delay for all traffic entering the intersection during the peak hour. In this case, the average delay for all motorists under cumulative conditions with project traffic is 7.9 seconds with LOS A.

The peak-hour signal warrant from the Manual of Uniform Traffic Control Devices (CA MUTCD) was evaluated for the unsignalized intersection Alvarado Street and Montague Avenue; this intersection does not meet CA MUTCD peak hour signal warrants during the a.m. and p.m. peak hours for Cumulative and Cumulative plus Project Conditions. MUTCD peak hour signal warrants sheets conditions are contained in **Appendix E**. Summarizing, traffic signal is not required at Alvarado Street and Montague Avenue (Intersection #3), and it is the City policy and best practices to not install signals that are not warranted.

This means there is no practical mitigation measure to improve conditions for the small amount of traffic on the eastbound approach. In many other cities, if LOS F is experienced by side street motorists, but traffic signals are not warranted, the impact is not considered significant.

Based on the City of San Leandro impact criteria the project is expected to have a *less-than-significant impact* at all the study intersections.

5.2 ROADWAY SEGMENT LEVEL OF SERVICE ANALYSIS – CUMULATIVE PLUS PROJECT CONDITIONS

The analysis methodology used to analyze roadway facilities is described in the LOS analysis methodology section. 24-hour bi-directional counts were collected for the listed roadway segments in the month of November 2016. **Table 10** below summarizes the study roadway segment operations under Cumulative and Cumulative plus Project Conditions. One direction of each roadway segment is expected to be operating at satisfactory LOS D during the a.m. peak hour under both scenarios. Northbound Alvarado Street between Aladdin Avenue and Montague Avenue and westbound Aladdin Avenue between Teagarden Street and Alvarado Street are expected to both operate at LOS F under both scenarios. During the p.m. peak hour, all but one of the roadway segments are expected to operate at satisfactory LOS D under both scenarios. Eastbound Aladdin Avenue between Teagarden Street and Alvarado Street is expected to operate at LOS E under both scenarios. Based on the City of San Leandro and Alameda County CMP impact criteria, the proposed project will have a *less-than-significant impact* at the study roadway segments under Cumulative plus Project Conditions during both a.m. and p.m. peak hours.

Table 10: Roadway Segment Level of Service Analysis - Cumulative plus Project Conditions

Study Segments	No Project Volume	plus Project Volume	Change in V/C ² Ratio	Change in Volume	No Project LOS ³	Plus Project LOS ³	Change in V/C ² > 0.03	Significant Impact
Northbound/Eastbound								
AM Peak Hour								
Aladdin Avenue between Teagarden Street and Alvarado Street	341	345	0.01	4 (1.2%)	D	D	No	No
Alvarado Street between Aladdin Avenue and Montague Avenue	1,192	1,195	0.00	3 (0.3%)	F	F	No	No
PM Peak Hour								
Aladdin Avenue between Teagarden Street and Alvarado Street	746	747	0.00	2 (0.3%)	E	E	No	No
Alvarado Street between Aladdin Avenue and Montague Avenue	608	610	0.01	11 (1.8%)	D	D	No	No
Southbound/Westbound								
AM Peak Hour								
Aladdin Avenue between Teagarden Street and Alvarado Street	793	795	0.00	2 (0.3%)	F	F	No	No
Alvarado Street between Aladdin Avenue and Montague Avenue	465	468	0.01	8 (1.7%)	D	D	No	No
PM Peak Hour								
Aladdin Avenue between Teagarden Street and Alvarado Street	312	318	0.01	7 (2.2%)	D	D	No	No
Alvarado Street between Aladdin Avenue and Montague Avenue	670	680	0.00	2 (0.3%)	D	D	No	No

Notes:

AM – morning peak hour (between 7 and 9 a.m.), PM – evening peak hour (between 4 and 6 p.m.)

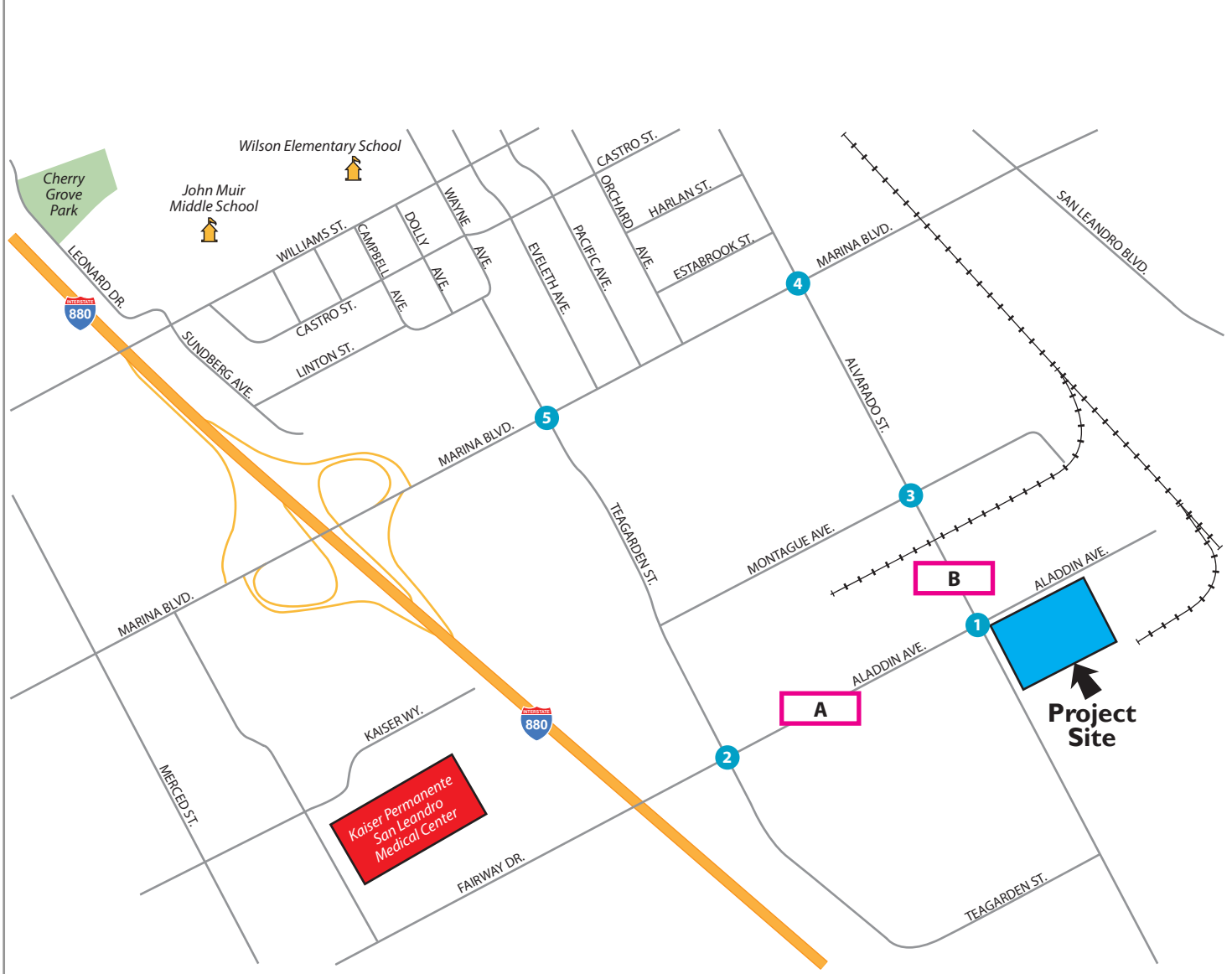
¹Volume to Capacity ratio,

²LOS – Levels of Service,

Bold text indicates intersection operates at a deficient Level of Service.

Cumulative (2035) plus Project Conditions Peak Hour Traffic Volumes

Intersection #1 Alvarado St./ Aladdin Ave.	Intersection #2 Teagarden St./ Fairway Dr./Aladdin Ave.	Intersection #3 Alvarado St./ Montague Ave.	Intersection #4 Alvarado St./ Marina Blvd.	Intersection #5 Wayne Ave./Teagarden St./ Marina Blvd.
<p>Alvarado St. (Northbound): 223 (164), 226 (526), 24 (8)</p> <p>Alvarado St. (Southbound): 13 (24), 8 (11), 1 (10)</p> <p>Aladdin Ave. (Eastbound): 250 (244), 15 (12), 80 (492)</p> <p>Aladdin Ave. (Westbound): 564 (144), 821 (319), 8 (8)</p>	<p>Teagarden St. (Northbound): 216 (155), 152 (204), 78 (68)</p> <p>Teagarden St. (Southbound): 41 (69), 806 (401), 13 (3)</p> <p>Fairway Dr. (Eastbound): 43 (117), 285 (863), 65 (208)</p> <p>Aladdin Ave. (Westbound): 149 (69), 111 (101), 11 (19)</p>	<p>Alvarado St. (Northbound): 19 (28), 454 (632), 33 (10)</p> <p>Alvarado St. (Southbound): 16 (25), 2 (2), 4 (12)</p> <p>Montague Ave. (Eastbound): 12 (35), 1 (0), 15 (28)</p> <p>Montague Ave. (Westbound): 85 (34), 1,084 (580), 26 (5)</p>	<p>Alvarado St. (Northbound): 57 (74), 190 (186), 23 (31)</p> <p>Alvarado St. (Southbound): 14 (31), 779 (618), 109 (196)</p> <p>Marina Blvd. (Eastbound): 64 (80), 604 (840), 155 (160)</p> <p>Marina Blvd. (Westbound): 289 (161), 256 (157), 248 (215)</p>	<p>Wayne Ave. (Northbound): 155 (72), 83 (49), 21 (27)</p> <p>Wayne Ave. (Southbound): 34 (31), 1,039 (754), 127 (151)</p> <p>Marina Blvd. (Eastbound): 124 (193), 773 (1,007), 413 (259)</p> <p>Teagarden St. (Westbound): 201 (370), 32 (23), 72 (103)</p>



LEGEND

- ⊗ Study Intersection
- XX AM Peak Hour Volumes
- (XX) PM Peak Hour Volumes
- ++++ Railroad



6.0 SITE ACCESS AND ON-SITE CIRCULATION AND OTHER IMPACTS

This section analyzes site access and internal circulation based on the site plan presented in **Figure 2**. TJKM reviewed internal and external access for the project site for passenger vehicles, trucks, pedestrians, and bicycles.

6.1 ON-SITE CIRCULATION

TJKM reviewed the proposed project site plan to evaluate on-site access to the project. **Figure 2** shows the proposed site plan for the project indicating the location of the project driveways and the internal circulation system. The proposed project's access will be via two driveways on Alvarado Street and one driveway on Aladdin Avenue as shown in the project site plan **Figure 2**. Based on a preliminary review of the project conceptual plans (**Figure 2**), all project driveways are well spaced, properly aligned with opposing driveways, and provide adequate distance away from public intersections. The dispersion of project traffic to three access points will avoid creating heavy turning movements into the project site. This in turn will manage queuing associated with vehicles entering the project site and minimize queues spilling back into downstream public intersections. The project driveways are expected to operate at an acceptable LOS. In addition, the 95th percentile queueing at the outbound approach of project driveways is expected to be minimal.

The internal circulation for the proposed project was reviewed for issues related to queuing, safety, dead-end aisles, and parking spaces that may be difficult to maneuver in and out of project site. All circulation aisles accommodate two-way travel and all of the proposed parking spaces are perpendicular to the drive aisle centerline. All the drive aisles have a minimum width of 26 feet. Service and emergency vehicles have access to the proposed Industrial development via all the proposed driveways. To confirm the trucks can circulate on-site, a truck turning analysis for the proposed driveways should be completed for the final site plan. Based on this evaluation, the access driveways are expected to be adequate for passenger vehicles and trucks accessing the site. TJKM recommends the installation of Stop control at the project driveways with appropriate pavement delineation and signing to enhance traffic safety and operations at the driveway. TJKM finds that the proposed configurations would be adequate for the proposed project.

6.2 PEDESTRIAN ACCESS

Pedestrian access to the project site will be facilitated by existing sidewalks on Alvarado Street, Aladdin Avenue and Aladdin Avenue. There are continuous sidewalks present on Alvarado Street, Aladdin Avenue and Aladdin Avenue along the both sides within the project vicinity. Within the project vicinity, most of the study intersections have crosswalks. All the existing sidewalks are approximately five to eight feet wide varying along the project vicinity. There is adequate street lighting in the vicinity. A significant impact occurs if the proposed project conflicts with applicable or adopted policies, plans or programs related to pedestrians facilities or otherwise decrease the performance or safety of pedestrian facilities. The proposed project will not result in any significant impacts to existing or planned pedestrian facilities in the immediate vicinity of the project because of the absence of such conflicts; therefore, the impact to pedestrian facilities is *less-than-significant*.

6.3 BICYCLE ACCESS

In terms of bicycle access to the project site, there are existing Class II bike lanes provided on Aladdin Avenue and portions of Alvarado Street. There are adequate signage/markings for the bicyclists to maneuver without confusion. Overall, existing bicycle facilities provide adequate connectivity between the proposed project site and the adjacent neighborhoods. An impact to bicyclists occurs if the proposed project disrupt existing bicycle facilities; or conflict or create inconsistencies with adopted bicycle system plans, guidelines, and policies. A significant impact occurs if the proposed project conflicts with applicable or adopted policies, plans or programs related to bicycle facilities or otherwise decrease the performance or safety of bicycle facilities. The proposed project does not conflict with existing and planned bicycle facilities; therefore, the impact to bicycle facilities is *less-than-significant*.

6.4 TRANSIT

The proposed project will generate very few trips via transit services, which can be accommodated by the existing transit capacity and hence the project is anticipated to have a *less-than-significant* impact on transit facilities.

6.5 SIGHT DISTANCE ANALYSIS

Sight distance is evaluated to determine if a driver will have adequate visibility to enter a roadway safely without resulting in a conflict with traffic already on the roadway. The project access points should be free and clear of any obstructions that would materially and adversely affect sight distance, thereby ensuring that exiting vehicles can see pedestrians on the sidewalk and other vehicles traveling on adjacent roadways. Landscaping and parking should not conflict with a driver's ability to locate a gap in traffic and see oncoming pedestrians and bicyclists. Adequate corner sight distance (sight distance triangles) should be provided at all site access points in accordance with the City's standards. Sight distance triangles should be measured approximately 15 feet back from the traveled way. Sight distance requirements vary depending on the roadway speeds. The speed limit on Alvarado Street and Aladdin Avenue is 40 mph. According to the Highway Design Manual (HDM), Chapter 200, 2014, the required minimum stopping sight distance for design speed of 40 mph should be 300 feet. The line of sight for vehicles exiting the driveways and vehicles travelling eastbound on Aladdin Avenue and northbound on Alvarado Street are clear and visible. Vehicles exiting the driveways will be visible to the vehicles travelling eastbound on Aladdin Avenue and northbound on Alvarado Street. The project does not substantially increase hazards due to any design features.

6.6 PARKING

Based on the project site plan dated June 28, 2017 (**Figure 2**), a total of 166 parking spaces are provided for the proposed industrial development. In addition 21 trailer parking spaces are provided near the dock door. The *City of San Leandro Municipal Code, Article 17* for industrial uses like warehousing requires one space for each 1,500 square feet of gross floor area of warehouse uses and one space for each 300 square feet of gross floor area of office and similar activities. Based on the City of San Leandro Municipal Code the total parking required for the project is 160 parking stalls. Therefore, no parking impacts are projected on City streets.

CONCLUSION

Project Trip Generation

The project is expected to generate approximately net of 18 weekday a.m. peak hour trips (13 inbound, 5 outbound) and net of 23 weekday p.m. peak hour trips (34 inbound, 19 outbound).

Existing Conditions

Under this scenario, all the intersections operate within City of San Leandro standards of LOS D or better during the a.m. and p.m. peak hours except for the intersection of Alvarado Street and Montague Avenue, which operates at LOS E during the a.m. peak hour.

Existing plus Project Conditions

Under this scenario, all the intersections operate within City of San Leandro standards during the a.m. and p.m. peak hours except for the intersection of Alvarado Street and Montague Avenue, which operates at LOS E during the a.m. peak hour.

Based on the City of San Leandro LOS impact criteria, the proposed project will have a *less-than-significant* impact at the study intersections during both a.m. and p.m. peak hours.

Cumulative (Year 2035) Conditions

Under this scenario, all the intersections operate within City of San Leandro standards during the a.m. and p.m. peak hours except for the intersection of Alvarado Street and Montague Avenue, which operates at LOS F during the a.m. peak hour and LOS E during the p.m. peak hour.

Cumulative plus Project Conditions

Under this scenario, all the intersections operate within City of San Leandro standards during the a.m. and p.m. peak hours except for the intersection of Alvarado Street and Montague Avenue, which operates at LOS F during the a.m. peak hour and LOS E during the p.m. peak hour.

Based on the City's impact criteria, the proposed project will have a *less-than-significant* impact at the study intersections during both a.m. and p.m. peak hours.

Roadway Segment Analysis

Based on the City of San Leandro and Alameda County CMP impact criteria, the proposed project will have a *less-than-significant* impact at the study roadway segments under both Existing and Cumulative plus Project Scenarios during both a.m. and p.m. peak hours.

Queuing Analysis

The proposed project *does not create a significant impact* on the expected left-turn or right-turn queues at the selected study intersection under the Existing plus Project Conditions.

Pedestrian, Bicycle and Transit Impacts

The proposed project does not conflict with existing and planned pedestrian or bicycle facilities. The transit service within the immediate vicinity of the project site operates well below capacity, and additional trips generated by the proposed project could be accommodated by existing bus services. Therefore the impacts, to pedestrian, bicycle and transit facilities is *less-than-significant*.

On-Site Circulation

TJKM examined the project site plan in order to evaluate the adequacy of on-site vehicle circulation including trucks and emergency vehicles. The access to the project site will be via two driveways on Alvarado Street and one driveway on Aladdin Avenue. Based on the evaluation, the proposed on-site vehicle circulation is adequate and should not result in any significant traffic operations issues.

Parking

Based on the project site plan dated June 28, 2017, a total of 166 parking spaces are provided for the proposed industrial development. In addition 21 trailer parking spaces are provided near the dock door. Based on the City of San Leandro Municipal Code the total parking required for the project is 160 parking stalls. Therefore, no parking impacts are projected on City streets.

Appendix A – Existing Traffic Counts Sheets

ALL TRAFFIC DATA

City of San Leandro
 All Vehicles & Uturns On Unshifted
 Peds & Bikes On Bank 1
 Nothing On Bank 2

(916) 771-8700
orders@atdtraffic.com

File Name : 16-7826-001 Alvarado St & Aladdin Ave / W Ave 137th St
 Date : 11/3/2016

Unshifted Count = All Vehicles & Uturns

START TIME	Alvarado St Southbound					Aladdin Ave / W Ave 137th St Westbound					Alvarado St Northbound					Aladdin Ave / W Ave 137th St Eastbound					Total	Uturns Total
	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
7:00	5	31	25	0	61	1	2	3	0	6	45	108	3	0	156	23	4	7	0	34	257	0
7:15	4	40	31	0	75	0	2	2	0	4	51	108	5	0	164	20	2	6	0	28	271	0
7:30	4	41	32	0	77	0	0	3	0	3	58	150	5	0	213	56	1	15	0	72	365	0
7:45	1	57	57	0	115	1	1	3	0	5	86	153	6	0	245	61	6	16	0	83	448	0
Total	14	169	145	0	328	2	5	11	0	18	240	519	19	0	778	160	13	44	0	217	1341	0
8:00	8	54	53	0	115	1	3	3	0	7	98	128	3	0	229	53	3	29	0	85	436	0
8:15	5	58	48	0	111	3	0	5	0	8	90	107	4	0	201	41	3	4	0	48	368	0
8:30	7	32	32	0	71	1	2	4	0	7	66	99	7	0	172	32	3	18	0	53	303	0
8:45	5	31	28	0	64	2	3	5	0	10	52	77	3	0	132	37	2	23	0	62	268	0
Total	25	175	161	0	361	7	8	17	0	32	306	411	17	0	734	163	11	74	0	248	1375	0
16:00	2	86	25	0	113	4	2	4	0	10	25	75	0	0	100	49	2	52	0	103	326	0
16:15	5	54	33	0	92	1	3	3	0	7	30	73	2	0	105	44	3	39	0	86	290	0
16:30	2	77	21	0	100	7	3	1	0	11	32	83	3	0	118	52	4	51	0	107	336	0
16:45	1	59	33	0	93	0	0	4	0	4	26	63	2	0	91	51	4	41	0	96	284	0
Total	10	276	112	0	398	12	8	12	0	32	113	294	7	0	414	196	13	183	0	392	1236	0
17:00	2	92	35	0	129	7	4	8	0	19	32	74	3	0	109	68	2	56	0	126	383	0
17:15	3	74	34	0	111	3	1	7	0	11	43	68	0	0	111	54	3	51	0	108	341	0
17:30	0	87	25	0	112	2	0	5	0	7	29	77	0	0	106	59	0	46	0	105	330	0
17:45	2	67	40	0	109	3	1	3	0	7	29	90	2	0	121	31	3	35	0	69	306	0
Total	7	320	134	0	461	15	6	23	0	44	133	309	5	0	447	212	8	188	0	408	1360	0
Grand Total	56	940	552	0	1548	36	27	63	0	126	792	1533	48	0	2373	731	45	489	0	1265	5312	0
Apprch %	3.6%	60.7%	35.7%	0.0%		28.6%	21.4%	50.0%	0.0%		33.4%	64.6%	2.0%	0.0%		57.8%	3.6%	38.7%	0.0%			
Total %	1.1%	17.7%	10.4%	0.0%	29.1%	0.7%	0.5%	1.2%	0.0%	2.4%	14.9%	28.9%	0.9%	0.0%	44.7%	13.8%	0.8%	9.2%	0.0%	23.8%	100.0%	

AM PEAK HOUR	Alvarado St Southbound					Aladdin Ave / W Ave 137th St Westbound					Alvarado St Northbound					Aladdin Ave / W Ave 137th St Eastbound					Total	
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
Peak Hour Analysis From 07:30 to 08:30																						
Peak Hour For Entire Intersection Begins at 07:30																						
7:30	4	41	32	0	77	0	0	3	0	3	58	150	5	0	213	56	1	15	0	72	365	
7:45	1	57	57	0	115	1	1	3	0	5	86	153	6	0	245	61	6	16	0	83	448	
8:00	8	54	53	0	115	1	3	3	0	7	98	128	3	0	229	53	3	29	0	85	436	
8:15	5	58	48	0	111	3	0	5	0	8	90	107	4	0	201	41	3	4	0	48	368	
Total Volume	18	210	190	0	418	5	4	14	0	23	332	538	18	0	888	211	13	64	0	288	1617	
% App Total	4.3%	50.2%	45.5%	0.0%		21.7%	17.4%	60.9%	0.0%		37.4%	60.6%	2.0%	0.0%		73.3%	4.5%	22.2%	0.0%			
PHF	.563	.905	.833	.000	.909	.417	.333	.700	.000	.719	.847	.879	.750	.000	.906	.865	.542	.552	.000	.847	.902	

PM PEAK HOUR	Alvarado St Southbound					Aladdin Ave / W Ave 137th St Westbound					Alvarado St Northbound					Aladdin Ave / W Ave 137th St Eastbound					Total	
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
Peak Hour Analysis From 17:00 to 18:00																						
Peak Hour For Entire Intersection Begins at 17:00																						
17:00	2	92	35	0	129	7	4	8	0	19	32	74	3	0	109	68	2	56	0	126	383	
17:15	3	74	34	0	111	3	1	7	0	11	43	68	0	0	111	54	3	51	0	108	341	
17:30	0	87	25	0	112	2	0	5	0	7	29	77	0	0	106	59	0	46	0	105	330	
17:45	2	67	40	0	109	3	1	3	0	7	29	90	2	0	121	31	3	35	0	69	306	
Total Volume	7	320	134	0	461	15	6	23	0	44	133	309	5	0	447	212	8	188	0	408	1360	
% App Total	1.5%	69.4%	29.1%	0.0%		34.1%	13.6%	52.3%	0.0%		29.8%	69.1%	1.1%	0.0%		52.0%	2.0%	46.1%	0.0%			
PHF	.583	.870	.838	.000	.893	.536	.375	.719	.000	.579	.773	.858	.417	.000	.924	.779	.667	.839	.000	.810	.888	

ALL TRAFFIC DATA

City of San Leandro
 All Vehicles & Uturns On Unshifted
 Peds & Bikes On Bank 1
 Nothing On Bank 2

(916) 771-8700
orders@atdtraffic.com

File Name : 16-7826-001 Alvarado St & Aladdin Ave / W Ave 137th St
 Date : 11/3/2016

Bank 1 Count = Peds & Bikes

START TIME	Alvarado St Southbound					Aladdin Ave / W Ave 137th St Westbound					Alvarado St Northbound					Aladdin Ave / W Ave 137th St Eastbound					Total	Peds Total
	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL		
7:00	0	1	1	1	2	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	3	2
7:15	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	3	0
7:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45	0	0	1	0	1	0	0	0	1	0	1	1	0	0	2	0	0	0	0	0	3	1
Total	0	3	2	1	5	0	0	0	1	0	1	1	0	0	2	2	0	0	1	2	9	3
8:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
8:15	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
8:30	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	1	0	1	1	1	5
8:45	0	0	0	0	0	0	0	1	0	1	0	1	0	0	1	0	0	0	0	0	2	0
Total	0	0	0	4	0	0	0	1	3	1	0	1	0	0	1	1	1	0	1	2	4	8
16:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0
16:15	0	2	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3	1
16:30	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	0	0	1	0	2	1
16:45	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	3	0	1	3
Total	0	2	0	1	2	0	0	0	0	0	2	1	0	0	3	1	0	1	4	2	7	5
17:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	2	1
17:15	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
17:30	0	1	0	1	1	0	0	0	0	0	0	2	0	0	2	0	0	0	1	0	3	2
17:45	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	1	0	0	1	1	2	2
Total	0	3	0	1	3	0	0	0	1	0	0	3	0	0	3	2	0	0	3	2	8	5
Grand Total	0	8	2	7	10	0	0	1	5	1	3	6	0	0	9	6	1	1	9	8	28	21
Apprch %	0.0%	80.0%	20.0%			0.0%	0.0%	100.0%			33.3%	66.7%	0.0%			75.0%	12.5%	12.5%				
Total %	0.0%	28.6%	7.1%		35.7%	0.0%	0.0%	3.6%		3.6%	10.7%	21.4%	0.0%		32.1%	21.4%	3.6%	3.6%		28.6%	100.0%	

AM PEAK HOUR	Alvarado St Southbound					Aladdin Ave / W Ave 137th St Westbound					Alvarado St Northbound					Aladdin Ave / W Ave 137th St Eastbound					Total	
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	Total	
Peak Hour Analysis From 07:30 to 08:30																						
Peak Hour For Entire Intersection Begins at 07:30																						
7:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45	0	0	1	0	1	0	0	0	1	0	1	1	0	0	2	0	0	0	0	0	0	3
8:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
8:15	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	1	2	1	0	0	0	2	0	1	1	0	0	2	1	0	0	0	1	4	
% App Total	0.0%	0.0%	100.0%			0.0%	0.0%	0.0%			50.0%	50.0%	0.0%			100.0%	0.0%	0.0%				
PHF	.000	.000	.250		.250	.000	.000	.000		.000	.250	.250	.000		.250	.250	.000	.000		.250	.333	

PM PEAK HOUR	Alvarado St Southbound					Aladdin Ave / W Ave 137th St Westbound					Alvarado St Northbound					Aladdin Ave / W Ave 137th St Eastbound					Total	
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	Total	
Peak Hour Analysis From 17:00 to 18:00																						
Peak Hour For Entire Intersection Begins at 17:00																						
17:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	2	
17:15	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
17:30	0	1	0	1	1	0	0	0	0	0	0	2	0	0	2	0	0	0	1	0	3	
17:45	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	1	0	0	1	1	2	
Total Volume	0	3	0	1	3	0	0	0	1	0	0	3	0	0	3	2	0	0	3	2	8	
% App Total	0.0%	100.0%	0.0%			0.0%	0.0%	0.0%			0.0%	100.0%	0.0%			100.0%	0.0%	0.0%				
PHF	.000	.750	.000		.750	.000	.000	.000		.000	.375	.000		.375	.500	.000	.000		.500	.667		

ALL TRAFFIC DATA

City of San Leandro
 All Vehicles & Uturns On Unshifted
 Peds & Bikes On Bank 1
 Nothing On Bank 2

(916) 771-8700
orders@atdtraffic.com

File Name : 16-7826-002 Teagarden Street & Fairway Dr / Aladdin Ave
 Date : 11/3/2016

Unshifted Count = All Vehicles & Uturns

START TIME	Teagarden Street Southbound					Fairway Dr / Aladdin Ave Westbound					Teagarden Street Northbound					Fairway Dr / Aladdin Ave Eastbound					Total	Uturns Total
	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
7:00	14	32	34	0	80	0	50	11	0	61	10	20	1	0	31	9	30	5	0	44	216	0
7:15	14	24	23	0	61	2	59	7	0	68	33	19	2	0	54	7	29	7	0	43	226	0
7:30	15	27	20	0	62	3	65	13	0	81	41	20	1	0	62	14	72	24	0	110	315	0
7:45	15	29	49	0	93	3	117	13	0	133	42	26	3	0	71	15	70	16	0	101	398	0
Total	58	112	126	0	296	8	291	44	0	343	126	85	7	0	218	45	201	52	0	298	1155	0
8:00	23	44	38	0	105	0	140	9	0	149	46	24	1	0	71	10	67	16	0	93	418	0
8:15	12	47	41	0	100	2	124	11	0	137	36	25	2	0	63	8	41	16	0	65	365	0
8:30	13	30	33	0	76	0	83	9	0	92	35	24	2	0	61	13	46	16	0	75	304	0
8:45	11	34	28	0	73	3	69	13	0	85	31	27	1	0	59	19	53	14	0	86	303	0
Total	59	155	140	0	354	5	416	42	0	463	148	100	6	0	254	50	207	62	0	319	1390	0
16:00	10	51	36	0	97	1	44	23	0	68	15	22	6	0	43	38	79	39	0	156	364	0
16:15	5	32	30	0	67	1	57	10	0	68	15	21	3	0	39	27	61	34	0	122	296	0
16:30	12	50	40	0	102	1	45	18	0	64	17	20	2	0	39	25	87	48	0	160	365	0
16:45	5	40	28	0	73	0	57	10	0	67	17	31	4	0	52	26	83	47	0	156	348	0
Total	32	173	134	0	339	3	203	61	0	267	64	94	15	0	173	116	310	168	0	594	1373	0
17:00	6	51	34	0	91	0	69	16	0	85	19	25	6	0	50	27	99	49	0	175	401	0
17:15	11	54	28	0	93	1	65	12	0	78	12	27	1	0	40	38	86	60	0	184	395	0
17:30	8	62	22	0	92	0	51	11	0	62	8	20	3	0	31	28	90	51	0	169	354	0
17:45	8	52	30	0	90	1	63	10	0	74	15	17	1	0	33	16	53	43	0	112	309	0
Total	33	219	114	0	366	2	248	49	0	299	54	89	11	0	154	109	328	203	0	640	1459	0
Grand Total	182	659	514	0	1355	18	1158	196	0	1372	392	368	39	0	799	320	1046	485	0	1851	5377	0
Apprch %	13.4%	48.6%	37.9%	0.0%		1.3%	84.4%	14.3%	0.0%		49.1%	46.1%	4.9%	0.0%		17.3%	56.5%	26.2%	0.0%			
Total %	3.4%	12.3%	9.6%	0.0%	25.2%	0.3%	21.5%	3.6%	0.0%	25.5%	7.3%	6.8%	0.7%	0.0%	14.9%	6.0%	19.5%	9.0%	0.0%	34.4%	100.0%	

AM PEAK HOUR	Teagarden Street Southbound					Fairway Dr / Aladdin Ave Westbound					Teagarden Street Northbound					Fairway Dr / Aladdin Ave Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 07:30 to 08:30																					
Peak Hour For Entire Intersection Begins at 07:30																					
7:30	15	27	20	0	62	3	65	13	0	81	41	20	1	0	62	14	72	24	0	110	315
7:45	15	29	49	0	93	3	117	13	0	133	42	26	3	0	71	15	70	16	0	101	398
8:00	23	44	38	0	105	0	140	9	0	149	46	24	1	0	71	10	67	16	0	93	418
8:15	12	47	41	0	100	2	124	11	0	137	36	25	2	0	63	8	41	16	0	65	365
Total Volume	65	147	148	0	360	8	446	46	0	500	165	95	7	0	267	47	250	72	0	369	1496
% App Total	18.1%	40.8%	41.1%	0.0%		1.6%	89.2%	9.2%	0.0%		61.8%	35.6%	2.6%	0.0%		12.7%	67.8%	19.5%	0.0%		
PHF	.707	.782	.755	.000	.857	.667	.796	.885	.000	.839	.897	.913	.583	.000	.940	.783	.868	.750	.000	.839	.895

PM PEAK HOUR	Teagarden Street Southbound					Fairway Dr / Aladdin Ave Westbound					Teagarden Street Northbound					Fairway Dr / Aladdin Ave Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 16:30 to 17:30																					
Peak Hour For Entire Intersection Begins at 16:30																					
16:30	12	50	40	0	102	1	45	18	0	64	17	20	2	0	39	25	87	48	0	160	365
16:45	5	40	28	0	73	0	57	10	0	67	17	31	4	0	52	26	83	47	0	156	348
17:00	6	51	34	0	91	0	69	16	0	85	19	25	6	0	50	27	99	49	0	175	401
17:15	11	54	28	0	93	1	65	12	0	78	12	27	1	0	40	38	86	60	0	184	395
Total Volume	34	195	130	0	359	2	236	56	0	294	65	103	13	0	181	116	355	204	0	675	1509
% App Total	9.5%	54.3%	36.2%	0.0%		0.7%	80.3%	19.0%	0.0%		35.9%	56.9%	7.2%	0.0%		17.2%	52.6%	30.2%	0.0%		
PHF	.708	.903	.813	.000	.880	.500	.855	.778	.000	.865	.855	.831	.542	.000	.870	.763	.896	.850	.000	.917	.941

ALL TRAFFIC DATA

City of San Leandro
 All Vehicles & Uturns On Unshifted
 Peds & Bikes On Bank 1
 Nothing On Bank 2

(916) 771-8700
orders@atdtraffic.com

File Name : 16-7826-002 Teagarden Street & Fairway Dr / Aladdin Ave
 Date : 11/3/2016

Bank 1 Count = Peds & Bikes

START TIME	Teagarden Street Southbound					Fairway Dr / Aladdin Ave Westbound					Teagarden Street Northbound					Fairway Dr / Aladdin Ave Eastbound					Total	Peds Total
	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL		
7:00	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	1	0	0	1	2	1
7:15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	1	1
7:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0
Total	0	0	0	0	0	0	3	0	0	3	0	0	0	2	0	0	2	0	0	2	5	2
8:00	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	1	0	0	1	3	0
8:15	0	1	1	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	1
8:30	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	1	2	1
8:45	0	1	1	1	2	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	2	5
Total	0	2	3	1	5	0	0	0	3	0	0	1	1	3	2	0	2	0	0	2	9	7
16:00	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	2	3	1
16:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0
16:30	0	0	0	2	0	0	0	0	1	0	0	0	0	2	0	0	0	1	1	1	1	6
16:45	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	3	0
Total	0	1	0	2	1	0	3	0	1	3	0	0	0	3	0	1	1	2	1	4	8	7
17:00	0	0	0	0	0	0	1	0	2	1	0	0	0	1	0	0	1	0	0	1	2	3
17:15	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	1	1
17:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0
17:45	0	0	0	0	0	0	0	0	3	0	0	0	0	2	0	0	0	0	0	0	0	5
Total	0	0	0	0	0	0	1	0	6	1	0	0	0	3	0	0	2	1	0	3	4	9
Grand Total	0	3	3	3	6	0	7	0	10	7	0	1	1	11	2	1	7	3	1	11	26	25
Apprch %	0.0%	50.0%	50.0%			0.0%	100.0%	0.0%			0.0%	50.0%	50.0%			9.1%	63.6%	27.3%				
Total %	0.0%	11.5%	11.5%		23.1%	0.0%	26.9%	0.0%		26.9%	0.0%	3.8%	3.8%		7.7%	3.8%	26.9%	11.5%		42.3%	100.0%	

AM PEAK HOUR	Teagarden Street Southbound					Fairway Dr / Aladdin Ave Westbound					Teagarden Street Northbound					Fairway Dr / Aladdin Ave Eastbound					Total	
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	Total	
Peak Hour Analysis From 07:30 to 08:30																						
Peak Hour For Entire Intersection Begins at 07:30																						
7:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
8:00	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	1	0	0	1	3	
8:15	0	1	1	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	
Total Volume	0	1	2	0	3	0	2	0	1	2	0	0	1	0	1	0	1	0	0	1	7	
% App Total	0.0%	33.3%	66.7%			0.0%	100.0%	0.0%			0.0%	0.0%	100.0%			0.0%	100.0%	0.0%				
PHF	.000	.250	.500		.375	.000	.250	.000		.250	.000	.000	.250		.250	.000	.250	.000		.250	.583	

PM PEAK HOUR	Teagarden Street Southbound					Fairway Dr / Aladdin Ave Westbound					Teagarden Street Northbound					Fairway Dr / Aladdin Ave Eastbound					Total	
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	Total	
Peak Hour Analysis From 16:30 to 17:30																						
Peak Hour For Entire Intersection Begins at 16:30																						
16:30	0	0	0	2	0	0	0	0	1	0	0	0	0	2	0	0	0	1	1	1	1	
16:45	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	3	
17:00	0	0	0	0	0	0	1	0	2	1	0	0	0	1	0	0	1	0	0	1	2	
17:15	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	1	
Total Volume	0	0	0	2	0	0	4	0	4	4	0	0	0	3	0	0	1	2	1	3	7	
% App Total	0.0%	0.0%	0.0%			0.0%	100.0%	0.0%			0.0%	0.0%	0.0%			0.0%	33.3%	66.7%				
PHF	.000	.000	.000		.000	.000	.333	.000		.333	.000	.000	.000		.000	.000	.250	.500		.750	.583	

ALL TRAFFIC DATA

City of San Leandro
 All Vehicles & Uturns On Unshifted
 Peds & Bikes On Bank 1
 Nothing On Bank 2

(916) 771-8700
orders@atdtraffic.com

File Name : 16-7826-003 Alvarado St & Montague Ave
 Date : 11/3/2016

Unshifted Count = All Vehicles & Uturns

START TIME	Alvarado St Southbound					Montague Ave Westbound					Alvarado St Northbound					Montague Ave Eastbound					Total	Uturns Total
	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
7:00	6	58	6	0	70	2	0	1	0	3	24	106	1	0	131	5	0	2	0	7	211	0
7:15	13	69	4	0	86	2	0	1	0	3	16	106	3	0	125	0	1	0	0	1	215	0
7:30	6	80	5	0	91	1	0	0	0	1	19	172	11	0	202	4	0	3	0	7	301	0
7:45	14	112	5	0	131	0	0	5	0	5	31	190	4	0	225	1	1	3	0	5	366	0
Total	39	319	20	0	378	5	0	7	0	12	90	574	19	0	683	10	2	8	0	20	1093	0
8:00	6	111	8	0	125	2	2	4	0	8	19	161	4	0	184	6	0	3	0	9	326	0
8:15	7	105	1	0	113	1	0	7	0	8	16	121	7	0	144	1	0	6	0	7	272	0
8:30	6	70	4	0	80	1	1	0	0	2	10	136	4	0	150	2	1	3	1	7	239	1
8:45	6	67	5	0	78	0	0	3	0	3	6	113	3	0	122	3	0	1	0	4	207	0
Total	25	353	18	0	396	4	3	14	0	21	51	531	18	0	600	12	1	13	1	27	1044	1
16:00	3	90	1	0	94	4	0	8	0	12	3	121	3	0	127	4	0	15	0	19	252	0
16:15	1	86	4	0	91	4	0	5	0	9	5	113	1	0	119	9	0	3	0	12	231	0
16:30	5	78	1	0	84	4	0	16	0	20	11	129	0	0	140	6	0	15	0	21	265	0
16:45	0	82	2	0	84	3	3	7	0	13	4	119	1	0	124	1	0	11	0	12	233	0
Total	9	336	8	0	353	15	3	36	0	54	23	482	5	0	510	20	0	44	0	64	981	0
17:00	3	117	9	0	129	5	1	7	0	13	7	138	3	0	148	3	0	6	0	9	299	0
17:15	3	105	6	0	114	2	0	4	0	6	4	126	1	0	131	12	0	5	0	17	268	0
17:30	0	98	3	0	101	2	0	7	0	9	6	131	0	0	137	9	0	10	0	19	266	0
17:45	2	106	5	0	113	1	1	3	0	5	11	117	0	0	128	5	0	2	0	7	253	0
Total	8	426	23	0	457	10	2	21	0	33	28	512	4	0	544	29	0	23	0	52	1086	0
Grand Total	81	1434	69	0	1584	34	8	78	0	120	192	2099	46	0	2337	71	3	88	1	163	4204	1
Apprch %	5.1%	90.5%	4.4%	0.0%		28.3%	6.7%	65.0%	0.0%		8.2%	89.8%	2.0%	0.0%		43.6%	1.8%	54.0%	0.6%			
Total %	1.9%	34.1%	1.6%	0.0%	37.7%	0.8%	0.2%	1.9%	0.0%	2.9%	4.6%	49.9%	1.1%	0.0%	55.6%	1.7%	0.1%	2.1%	0.0%	3.9%	100.0%	

AM PEAK HOUR	Alvarado St Southbound					Montague Ave Westbound					Alvarado St Northbound					Montague Ave Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 07:30 to 08:30																					
Peak Hour For Entire Intersection Begins at 07:30																					
7:30	6	80	5	0	91	1	0	0	0	1	19	172	11	0	202	4	0	3	0	7	301
7:45	14	112	5	0	131	0	0	5	0	5	31	190	4	0	225	1	1	3	0	5	366
8:00	6	111	8	0	125	2	2	4	0	8	19	161	4	0	184	6	0	3	0	9	326
8:15	7	105	1	0	113	1	0	7	0	8	16	121	7	0	144	1	0	6	0	7	272
Total Volume	33	408	19	0	460	4	2	16	0	22	85	644	26	0	755	12	1	15	0	28	1265
% App Total	7.2%	88.7%	4.1%	0.0%		18.2%	9.1%	72.7%	0.0%		11.3%	85.3%	3.4%	0.0%		42.9%	3.6%	53.6%	0.0%		
PHF	.589	.911	.594	.000	.878	.500	.250	.571	.000	.688	.685	.847	.591	.000	.839	.500	.250	.625	.000	.778	.864

PM PEAK HOUR	Alvarado St Southbound					Montague Ave Westbound					Alvarado St Northbound					Montague Ave Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	3	117	9	0	129	5	1	7	0	13	7	138	3	0	148	3	0	6	0	9	299
17:15	3	105	6	0	114	2	0	4	0	6	4	126	1	0	131	12	0	5	0	17	268
17:30	0	98	3	0	101	2	0	7	0	9	6	131	0	0	137	9	0	10	0	19	266
17:45	2	106	5	0	113	1	1	3	0	5	11	117	0	0	128	5	0	2	0	7	253
Total Volume	8	426	23	0	457	10	2	21	0	33	28	512	4	0	544	29	0	23	0	52	1086
% App Total	1.8%	93.2%	5.0%	0.0%		30.3%	6.1%	63.6%	0.0%		5.1%	94.1%	0.7%	0.0%		55.8%	0.0%	44.2%	0.0%		
PHF	.667	.910	.639	.000	.886	.500	.500	.750	.000	.635	.636	.928	.333	.000	.919	.604	.000	.575	.000	.684	.908

ALL TRAFFIC DATA

City of San Leandro
 All Vehicles & Uturns On Unshifted
 Peds & Bikes On Bank 1
 Nothing On Bank 2

(916) 771-8700
orders@atdtraffic.com

File Name : 16-7826-003 Alvarado St & Montague Ave
 Date : 11/3/2016

Bank 1 Count = Peds & Bikes

START TIME	Alvarado St Southbound					Montague Ave Westbound					Alvarado St Northbound					Montague Ave Eastbound					Total	Peds Total
	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL		
7:00	0	2	0	0	2	0	0	0	1	0	0	1	0	0	1	0	0	0	2	0	3	3
7:15	0	2	1	0	3	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	3	3
7:30	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0
7:45	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0
Total	0	5	2	0	7	0	0	0	2	0	0	3	0	1	3	0	0	0	3	0	10	6
8:00	0	0	0	1	0	0	0	0	2	0	0	1	0	1	1	0	0	0	0	0	1	4
8:15	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3	0	0	4
8:30	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
8:45	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2	0
Total	0	0	0	1	0	0	0	0	4	0	0	3	0	1	3	0	0	0	3	0	3	9
16:00	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	1
16:15	0	2	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	1
16:30	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
16:45	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	1
Total	0	2	0	2	2	0	0	0	1	0	0	2	0	0	2	0	0	0	2	0	4	5
17:00	0	1	0	1	1	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	2	2
17:15	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	2
17:30	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	3	0
17:45	0	0	0	0	0	0	0	0	1	0	0	3	0	0	3	0	0	0	1	0	3	2
Total	0	3	0	1	3	0	0	0	2	0	0	6	0	0	6	0	0	0	3	0	9	6
Grand Total	0	10	2	4	12	0	0	0	9	0	0	14	0	2	14	0	0	0	11	0	26	26
Apprch %	0.0%	83.3%	16.7%			0.0%	0.0%	0.0%			0.0%	100.0%	0.0%			0.0%	0.0%	0.0%				
Total %	0.0%	38.5%	7.7%		46.2%	0.0%	0.0%	0.0%		0.0%	0.0%	53.8%	0.0%		53.8%	0.0%	0.0%	0.0%		0.0%	100.0%	

AM PEAK HOUR	Alvarado St Southbound					Montague Ave Westbound					Alvarado St Northbound					Montague Ave Eastbound					Total	
	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL		
Peak Hour Analysis From 07:30 to 08:30																						
Peak Hour For Entire Intersection Begins at 07:30																						
7:30	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	
7:45	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	
8:00	0	0	0	1	0	0	0	0	2	0	0	1	0	1	0	0	0	0	0	0	1	
8:15	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3	0	0	
Total Volume	0	1	1	1	2	0	0	0	3	0	0	3	0	1	3	0	0	0	3	0	5	
% App Total	0.0%	50.0%	50.0%			0.0%	0.0%	0.0%			0.0%	100.0%	0.0%			0.0%	0.0%	0.0%				
PHF	.000	.250	.250		.500	.000	.000	.000		.000	.000	.750	.000		.750	.000	.000	.000		.000	.625	

PM PEAK HOUR	Alvarado St Southbound					Montague Ave Westbound					Alvarado St Northbound					Montague Ave Eastbound					Total	
	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL		
Peak Hour Analysis From 17:00 to 18:00																						
Peak Hour For Entire Intersection Begins at 17:00																						
17:00	0	1	0	1	1	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	2	
17:15	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	
17:30	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	3	
17:45	0	0	0	0	0	0	0	0	1	0	0	3	0	0	3	0	0	0	1	0	3	
Total Volume	0	3	0	1	3	0	0	0	2	0	0	6	0	0	6	0	0	0	3	0	9	
% App Total	0.0%	100.0%	0.0%			0.0%	0.0%	0.0%			0.0%	100.0%	0.0%			0.0%	0.0%	0.0%				
PHF	.000	.750	.000		.750	.000	.000	.000		.000	.000	.500	.000		.500	.000	.000	.000		.000	.750	

ALL TRAFFIC DATA

City of San Leandro
 All Vehicles & Uturns On Unshifted
 Peds & Bikes On Bank 1
 Nothing On Bank 2

(916) 771-8700
orders@atdtraffic.com

File Name : 16-7826-004 Alvarado St & Marina Blvd
 Date : 11/3/2016

Unshifted Count = All Vehicles & Uturns

START TIME	Alvarado St Southbound					Marina Blvd Westbound					Alvarado St Northbound					Marina Blvd Eastbound					Total	Uturns Total
	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
7:00	7	21	17	0	45	37	98	4	0	139	38	34	39	0	111	8	71	20	0	99	394	0
7:15	2	31	13	0	46	24	106	1	0	131	39	34	32	0	105	6	60	28	0	94	376	0
7:30	12	37	12	0	61	40	146	3	0	189	60	53	60	0	173	15	94	18	1	128	551	1
7:45	13	56	14	0	83	52	165	4	0	221	51	70	78	0	199	21	104	28	0	153	656	0
Total	34	145	56	0	235	153	515	12	0	680	188	191	209	0	588	50	329	94	1	474	1977	1
8:00	13	55	21	0	89	49	152	8	0	209	45	67	52	0	164	21	110	28	0	159	621	0
8:15	8	39	22	0	69	51	159	10	0	220	41	42	45	0	128	19	88	28	0	135	552	0
8:30	4	19	23	0	46	30	135	2	0	167	38	49	46	0	133	15	97	27	0	139	485	0
8:45	6	31	10	0	47	32	109	2	1	144	33	38	40	0	111	26	90	20	0	136	438	1
Total	31	144	76	0	251	162	555	22	1	740	157	196	183	0	536	81	385	103	0	569	2096	1
16:00	8	41	21	0	70	25	105	6	0	136	47	31	64	0	142	17	189	28	0	234	582	0
16:15	18	40	22	0	80	34	111	4	0	149	34	40	56	0	130	12	168	27	0	207	566	0
16:30	7	39	16	0	62	16	112	5	0	133	44	51	70	0	165	31	172	25	1	229	589	1
16:45	7	35	23	0	65	37	110	5	0	152	34	39	59	0	132	22	193	18	0	233	582	0
Total	40	155	82	0	277	112	438	20	0	570	159	161	249	0	569	82	722	98	1	903	2319	1
17:00	6	41	21	0	68	42	128	5	1	176	40	39	72	0	151	27	215	27	0	269	664	1
17:15	10	54	26	0	90	30	130	7	0	167	40	42	68	0	150	25	219	26	0	270	677	0
17:30	10	46	26	0	82	25	125	8	0	158	43	49	67	0	159	14	192	26	0	232	631	0
17:45	2	53	19	0	74	50	117	3	0	170	40	44	52	0	136	22	186	20	0	228	608	0
Total	28	194	92	0	314	147	500	23	1	671	163	174	259	0	596	88	812	99	0	999	2580	1
Grand Total	133	638	306	0	1077	574	2008	77	2	2661	667	722	900	0	2289	301	2248	394	2	2945	8972	4
Apprch %	12.3%	59.2%	28.4%	0.0%		21.6%	75.5%	2.9%	0.1%		29.1%	31.5%	39.3%	0.0%		10.2%	76.3%	13.4%	0.1%			
Total %	1.5%	7.1%	3.4%	0.0%	12.0%	6.4%	22.4%	0.9%	0.0%	29.7%	7.4%	8.0%	10.0%	0.0%	25.5%	3.4%	25.1%	4.4%	0.0%	32.8%	100.0%	

AM PEAK HOUR	Alvarado St Southbound					Marina Blvd Westbound					Alvarado St Northbound					Marina Blvd Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 07:30 to 08:30																					
Peak Hour For Entire Intersection Begins at 07:30																					
7:30	12	37	12	0	61	40	146	3	0	189	60	53	60	0	173	15	94	18	1	128	551
7:45	13	56	14	0	83	52	165	4	0	221	51	70	78	0	199	21	104	28	0	153	656
8:00	13	55	21	0	89	49	152	8	0	209	45	67	52	0	164	21	110	28	0	159	621
8:15	8	39	22	0	69	51	159	10	0	220	41	42	45	0	128	19	88	28	0	135	552
Total Volume	46	187	69	0	302	192	622	25	0	839	197	232	235	0	664	76	396	102	1	575	2380
% App Total	15.2%	61.9%	22.8%	0.0%		22.9%	74.1%	3.0%	0.0%		29.7%	34.9%	35.4%	0.0%		13.2%	68.9%	17.7%	0.2%		
PHF	.885	.835	.784	.000	.848	.923	.942	.625	.000	.949	.821	.829	.753	.000	.834	.905	.900	.911	.250	.904	.907

PM PEAK HOUR	Alvarado St Southbound					Marina Blvd Westbound					Alvarado St Northbound					Marina Blvd Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	6	41	21	0	68	42	128	5	1	176	40	39	72	0	151	27	215	27	0	269	664
17:15	10	54	26	0	90	30	130	7	0	167	40	42	68	0	150	25	219	26	0	270	677
17:30	10	46	26	0	82	25	125	8	0	158	43	49	67	0	159	14	192	26	0	232	631
17:45	2	53	19	0	74	50	117	3	0	170	40	44	52	0	136	22	186	20	0	228	608
Total Volume	28	194	92	0	314	147	500	23	1	671	163	174	259	0	596	88	812	99	0	999	2580
% App Total	8.9%	61.8%	29.3%	0.0%		21.9%	74.5%	3.4%	0.1%		27.3%	29.2%	43.5%	0.0%		8.8%	81.3%	9.9%	0.0%		
PHF	.700	.898	.885	.000	.872	.735	.962	.719	.250	.953	.948	.888	.899	.000	.937	.815	.927	.917	.000	.925	.953

ALL TRAFFIC DATA

City of San Leandro
 All Vehicles & Uturns On Unshifted
 Peds & Bikes On Bank 1
 Nothing On Bank 2

(916) 771-8700
orders@atdtraffic.com

File Name : 16-7826-004 Alvarado St & Marina Blvd
 Date : 11/3/2016

Bank 1 Count = Peds & Bikes

START TIME	Alvarado St Southbound					Marina Blvd Westbound					Alvarado St Northbound					Marina Blvd Eastbound					Total	Peds Total
	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL		
7:00	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	2	1
7:15	0	2	0	1	2	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	3	2
7:30	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	1	1
7:45	0	1	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	2
Total	0	4	0	1	4	0	1	0	4	1	0	2	0	0	2	0	0	0	1	0	7	6
8:00	0	0	1	3	1	0	0	0	2	0	0	0	0	0	0	2	0	2	2	2	3	7
8:15	0	2	0	0	2	0	0	0	0	0	0	1	0	1	1	0	0	0	2	0	3	3
8:30	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1
8:45	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0
Total	0	3	1	3	4	0	0	0	3	0	0	2	0	1	2	0	2	0	4	2	8	11
16:00	0	0	0	1	0	0	0	0	1	0	0	2	0	1	2	0	0	0	2	0	2	5
16:15	1	1	0	0	2	0	0	0	2	0	0	0	0	0	1	0	1	0	2	2	4	2
16:30	0	0	0	1	0	0	0	0	3	0	0	2	0	2	0	0	0	0	0	0	2	6
16:45	0	0	0	2	0	0	0	0	0	0	0	1	0	0	1	0	0	0	3	0	1	5
Total	1	1	0	4	2	0	0	0	6	0	0	5	0	3	5	1	0	1	5	2	9	18
17:00	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
17:15	0	1	0	2	1	0	1	0	3	1	0	0	0	3	0	0	0	0	1	0	2	9
17:30	0	1	0	2	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2	2
17:45	0	0	0	0	0	0	0	0	1	0	0	2	0	1	2	0	0	0	0	0	2	2
Total	0	3	0	5	3	0	1	0	4	1	0	3	0	4	3	0	0	0	1	0	7	14
Grand Total	1	11	1	13	13	0	2	0	17	2	0	12	0	8	12	1	2	1	11	4	31	49
Apprch %	7.7%	84.6%	7.7%			0.0%	100.0%	0.0%			0.0%	100.0%	0.0%			25.0%	50.0%	25.0%				
Total %	3.2%	35.5%	3.2%		41.9%	0.0%	6.5%	0.0%		6.5%	0.0%	38.7%	0.0%		38.7%	3.2%	6.5%	3.2%		12.9%	100.0%	

AM PEAK HOUR	Alvarado St Southbound					Marina Blvd Westbound					Alvarado St Northbound					Marina Blvd Eastbound					Total
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	Total
Peak Hour Analysis From 07:30 to 08:30																					
Peak Hour For Entire Intersection Begins at 07:30																					
7:30	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	1
7:45	0	1	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1
8:00	0	0	1	3	1	0	0	0	2	0	0	0	0	0	0	0	2	0	2	2	3
8:15	0	2	0	0	2	0	0	0	0	0	0	1	0	1	1	0	0	0	2	0	3
Total Volume	0	3	1	3	4	0	0	0	5	0	0	2	0	1	2	0	2	0	4	2	8
% App Total	0.0%	75.0%	25.0%			0.0%	0.0%	0.0%			0.0%	100.0%	0.0%			0.0%	100.0%	0.0%			
PHF	.000	.375	.250		.500	.000	.000	.000		.000	.000	.500	.000	.500	.500	.000	.250	.000		.250	.667

PM PEAK HOUR	Alvarado St Southbound					Marina Blvd Westbound					Alvarado St Northbound					Marina Blvd Eastbound					Total
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	Total
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
17:15	0	1	0	2	1	0	1	0	3	1	0	0	0	3	0	0	0	0	1	0	2
17:30	0	1	0	2	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
17:45	0	0	0	0	0	0	0	0	1	0	0	2	0	1	2	0	0	0	0	0	2
Total Volume	0	3	0	5	3	0	1	0	4	1	0	3	0	4	3	0	0	0	1	0	7
% App Total	0.0%	100.0%	0.0%			0.0%	100.0%	0.0%			0.0%	100.0%	0.0%			0.0%	0.0%	0.0%			
PHF	.000	.750	.000		.750	.000	.250	.000		.250	.000	.375	.000	.375	.375	.000	.000	.000		.000	.875

ALL TRAFFIC DATA

City of San Leandro
 All Vehicles & Uturns On Unshifted
 Peds & Bikes On Bank 1
 Nothing On Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 16-7826-005 Teagarden St & Marina Blvd

Date : 11/3/2016

Unshifted Count = All Vehicles & Uturns

START TIME	Teagarden St Southbound					Marina Blvd Westbound					Teagarden St Northbound					Marina Blvd Eastbound					Total	Uturns Total
	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
7:00	1	5	14	0	20	15	125	2	0	142	45	3	10	0	58	13	92	75	3	183	403	3
7:15	5	13	28	0	46	22	166	5	0	193	45	6	11	0	62	6	98	62	4	170	471	4
7:30	2	6	17	0	25	27	180	7	4	218	50	6	18	0	74	15	127	50	4	196	513	8
7:45	11	15	25	0	51	32	208	6	1	247	54	14	9	0	77	18	158	78	9	263	638	10
Total	19	39	84	0	142	96	679	20	5	800	194	29	48	0	271	52	475	265	20	812	2025	25
8:00	7	33	31	0	71	32	180	9	1	222	48	10	13	0	71	16	145	77	18	256	620	19
8:15	4	20	54	0	78	24	184	7	2	217	48	12	20	0	80	7	138	72	12	229	604	14
8:30	4	11	12	0	27	34	179	5	4	222	62	6	14	0	82	15	121	53	13	202	533	17
8:45	0	9	10	0	19	26	119	7	2	154	50	3	18	0	71	5	137	63	14	219	463	16
Total	15	73	107	0	195	116	662	28	9	815	208	31	65	0	304	43	541	265	57	906	2220	66
16:00	12	13	21	0	46	41	150	3	1	195	107	4	25	0	136	22	210	60	33	325	702	34
16:15	5	20	12	0	37	40	128	9	3	180	76	10	18	0	104	17	180	61	42	300	621	45
16:30	8	19	21	0	48	39	159	7	1	206	97	6	42	0	145	18	221	59	37	335	734	38
16:45	8	12	21	0	41	24	156	9	1	190	95	6	39	0	140	18	190	51	35	294	665	36
Total	33	64	75	0	172	144	593	28	6	771	375	26	124	0	525	75	801	231	147	1254	2722	153
17:00	6	27	21	0	54	49	163	8	1	221	86	12	35	0	133	24	228	66	30	348	756	31
17:15	14	25	11	0	50	46	168	4	1	219	62	15	47	0	124	24	269	85	27	405	798	28
17:30	6	20	16	0	42	54	169	4	4	231	70	14	40	0	124	34	190	77	29	330	727	33
17:45	6	17	21	0	44	43	145	8	0	196	64	10	31	0	105	29	230	51	29	339	684	29
Total	32	89	69	0	190	192	645	24	6	867	282	51	153	0	486	111	917	279	115	1422	2965	121
Grand Total	99	265	335	0	699	548	2579	100	26	3253	1059	137	390	0	1586	281	2734	1040	339	4394	9932	365
Apprch %	14.2%	37.9%	47.9%	0.0%		16.8%	79.3%	3.1%	0.8%		66.8%	8.6%	24.6%	0.0%		6.4%	62.2%	23.7%	7.7%			
Total %	1.0%	2.7%	3.4%	0.0%	7.0%	5.5%	26.0%	1.0%	0.3%	32.8%	10.7%	1.4%	3.9%	0.0%	16.0%	2.8%	27.5%	10.5%	3.4%	44.2%	100.0%	

AM PEAK HOUR	Teagarden St Southbound					Marina Blvd Westbound					Teagarden St Northbound					Marina Blvd Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	Total
Peak Hour Analysis From 07:45 to 08:45																					
Peak Hour For Entire Intersection Begins at 07:45																					
7:45	11	15	25	0	51	32	208	6	1	247	54	14	9	0	77	18	158	78	9	263	638
8:00	7	33	31	0	71	32	180	9	1	222	48	10	13	0	71	16	145	77	18	256	620
8:15	4	20	54	0	78	24	184	7	2	217	48	12	20	0	80	7	138	72	12	229	604
8:30	4	11	12	0	27	34	179	5	4	222	62	6	14	0	82	15	121	53	13	202	533
Total Volume	26	79	122	0	227	122	751	27	8	908	212	42	56	0	310	56	562	280	52	950	2395
% App Total	11.5%	34.8%	53.7%	0.0%		13.4%	82.7%	3.0%	0.9%		68.4%	13.5%	18.1%	0.0%		5.9%	59.2%	29.5%	5.5%		
PHF	.591	.598	.565	.000	.728	.897	.903	.750	.500	.919	.855	.750	.700	.000	.945	.778	.889	.897	.722	.903	.938

PM PEAK HOUR	Teagarden St Southbound					Marina Blvd Westbound					Teagarden St Northbound					Marina Blvd Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	Total
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	6	27	21	0	54	49	163	8	1	221	86	12	35	0	133	24	228	66	30	348	756
17:15	14	25	11	0	50	46	168	4	1	219	62	15	47	0	124	24	269	85	27	405	798
17:30	6	20	16	0	42	54	169	4	4	231	70	14	40	0	124	34	190	77	29	330	727
17:45	6	17	21	0	44	43	145	8	0	196	64	10	31	0	105	29	230	51	29	339	684
Total Volume	32	89	69	0	190	192	645	24	6	867	282	51	153	0	486	111	917	279	115	1422	2965
% App Total	16.8%	46.8%	36.3%	0.0%		22.1%	74.4%	2.8%	0.7%		58.0%	10.5%	31.5%	0.0%		7.8%	64.5%	19.6%	8.1%		
PHF	.571	.824	.821	.000	.880	.889	.954	.750	.375	.938	.820	.850	.814	.000	.914	.816	.852	.821	.958	.878	.929

ALL TRAFFIC DATA

City of San Leandro
 All Vehicles & Uturns On Unshifted
 Peds & Bikes On Bank 1
 Nothing On Bank 2

(916) 771-8700
orders@atdtraffic.com

File Name : 16-7826-005 Teagarden St & Marina Blvd
 Date : 11/3/2016

Bank 1 Count = Peds & Bikes

START TIME	Teagarden St Southbound					Marina Blvd Westbound					Teagarden St Northbound					Marina Blvd Eastbound					Total	Peds Total	
	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL			
7:00	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	4
7:15	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	4
7:30	0	0	0	2	0	0	0	0	1	0	0	0	0	4	0	0	0	0	0	0	0	0	7
7:45	0	0	0	0	0	0	0	0	5	0	0	0	0	4	0	0	0	0	0	0	0	0	9
Total	0	0	0	2	0	0	0	0	10	0	0	0	0	12	0	0	0	0	0	0	0	0	24
8:00	1	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	1	0	0	1	1	3	1
8:15	0	0	0	4	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	1	1	2	4
8:30	0	0	0	1	0	0	0	0	4	0	0	0	0	2	0	0	0	0	1	0	0	0	8
8:45	0	1	0	1	1	0	0	0	6	0	0	0	0	1	0	0	0	0	0	0	0	1	8
Total	1	1	0	6	2	2	0	0	11	2	0	0	0	3	0	0	1	1	1	2	6	21	
16:00	0	1	0	0	1	0	0	0	7	0	0	1	0	3	1	0	0	0	0	0	0	2	10
16:15	0	0	0	4	0	0	0	0	2	0	0	0	0	3	0	0	0	0	0	0	0	0	9
16:30	0	0	0	2	0	0	0	0	6	0	0	0	0	4	0	0	3	0	0	3	3	12	
16:45	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
Total	0	1	0	6	1	1	0	0	16	1	0	1	0	10	1	0	3	0	0	3	6	32	
17:00	0	0	0	1	0	0	0	0	2	0	0	0	0	5	0	0	0	0	0	0	0	0	8
17:15	0	0	0	0	0	1	0	0	1	1	0	0	0	3	0	1	0	0	0	1	1	2	4
17:30	0	0	0	7	0	0	0	0	9	0	0	0	0	8	0	0	0	0	0	0	0	0	24
17:45	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	2	0	0	0	5
Total	0	0	0	9	0	1	0	0	13	1	0	0	0	17	0	1	0	0	2	1	2	41	
Grand Total	1	2	0	23	3	4	0	0	50	4	0	1	0	42	1	1	4	1	3	6	14	118	
Apprch %	33.3%	66.7%	0.0%			100.0%	0.0%	0.0%			0.0%	100.0%	0.0%			16.7%	66.7%	16.7%					
Total %	7.1%	14.3%	0.0%		21.4%	28.6%	0.0%	0.0%		28.6%	0.0%	7.1%	0.0%		7.1%	28.6%	7.1%			42.9%	100.0%		

AM PEAK HOUR	Teagarden St Southbound					Marina Blvd Westbound					Teagarden St Northbound					Marina Blvd Eastbound					Total	
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	Total	
Peak Hour Analysis From 07:45 to 08:45																						
Peak Hour For Entire Intersection Begins at 07:45																						
7:45	0	0	0	0	0	0	0	0	5	0	0	0	0	4	0	0	0	0	0	0	0	0
8:00	1	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	1	0	0	1	1	3
8:15	0	0	0	4	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	2	2
8:30	0	0	0	1	0	0	0	0	4	0	0	0	0	2	0	0	0	0	1	0	0	0
Total Volume	1	0	0	5	1	2	0	0	10	2	0	0	0	6	0	0	1	1	1	2	5	5
% App Total	100.0%	0.0%	0.0%			100.0%	0.0%	0.0%			0.0%	0.0%	0.0%			0.0%	50.0%	50.0%				
PHF	.250	.000	.000		.250	.500	.000	.000		.500	.000	.000	.000		.000	.250	.250			.500	.417	

PM PEAK HOUR	Teagarden St Southbound					Marina Blvd Westbound					Teagarden St Northbound					Marina Blvd Eastbound					Total	
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	Total	
Peak Hour Analysis From 17:00 to 18:00																						
Peak Hour For Entire Intersection Begins at 17:00																						
17:00	0	0	0	1	0	0	0	0	2	0	0	0	0	5	0	0	0	0	0	0	0	0
17:15	0	0	0	0	0	1	0	0	1	1	0	0	0	3	0	1	0	0	0	1	1	2
17:30	0	0	0	7	0	0	0	0	9	0	0	0	0	8	0	0	0	0	0	0	0	0
17:45	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	2	0	0	0
Total Volume	0	0	0	9	0	1	0	0	13	1	0	0	0	17	0	1	0	0	2	1	2	2
% App Total	0.0%	0.0%	0.0%			100.0%	0.0%	0.0%			0.0%	0.0%	0.0%			100.0%	0.0%	0.0%				
PHF	.000	.000	.000		.000	.250	.000	.000		.250	.000	.000	.000		.000	.250	.000	.000		.250	.250	

VOLUME

Aladdin Ave Bet. Teagarden St & Alvarado St

Day: Wednesday
 Date: 11/2/2016

City: San Leandro
 Project #: CA16_7827_001

DAILY TOTALS					NB	SB	EB	WB	Total						
					0	0	4,005	4,163	8,168						
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL				
00:00	0	0	2	2	4	12:00	0	0	68	59	127				
00:15	0	0	5	0	5	12:15	0	0	69	68	137				
00:30	0	0	4	4	8	12:30	0	0	76	63	139				
00:45	0	0	1	12	4	10	12:45	0	0	78	291	79	269	157	560
01:00	0	0	1	2	3	13:00	0	0	74	85	159				
01:15	0	0	1	0	1	13:15	0	0	58	70	128				
01:30	0	0	1	1	2	13:30	0	0	74	93	167				
01:45	0	0	2	5	3	6	13:45	0	0	64	270	57	305	121	575
02:00	0	0	3	1	4	14:00	0	0	75	85	160				
02:15	0	0	4	0	4	14:15	0	0	78	69	147				
02:30	0	0	1	0	1	14:30	0	0	86	82	168				
02:45	0	0	2	10	0	1	14:45	0	0	82	321	59	295	141	616
03:00	0	0	5	3	8	15:00	0	0	80	70	150				
03:15	0	0	0	3	3	15:15	0	0	77	84	161				
03:30	0	0	2	3	5	15:30	0	0	102	65	167				
03:45	0	0	4	11	6	15	15:45	0	0	89	348	58	277	147	625
04:00	0	0	2	0	2	16:00	0	0	108	76	184				
04:15	0	0	5	6	11	16:15	0	0	96	69	165				
04:30	0	0	14	13	27	16:30	0	0	85	63	148				
04:45	0	0	21	42	13	32	16:45	0	0	93	382	85	293	178	675
05:00	0	0	7	17	24	17:00	0	0	99	59	158				
05:15	0	0	18	11	29	17:15	0	0	97	59	156				
05:30	0	0	19	22	41	17:30	0	0	102	45	147				
05:45	0	0	31	75	36	86	17:45	0	0	89	387	52	215	141	602
06:00	0	0	18	23	41	18:00	0	0	70	50	120				
06:15	0	0	19	25	44	18:15	0	0	66	54	120				
06:30	0	0	18	46	64	18:30	0	0	54	56	110				
06:45	0	0	28	83	69	163	18:45	0	0	46	236	55	215	101	451
07:00	0	0	39	63	102	19:00	0	0	45	31	76				
07:15	0	0	47	76	123	19:15	0	0	33	32	65				
07:30	0	0	55	90	145	19:30	0	0	25	32	57				
07:45	0	0	61	202	145	374	19:45	0	0	20	123	26	121	46	244
08:00	0	0	72	134	206	20:00	0	0	11	23	34				
08:15	0	0	87	127	214	20:15	0	0	11	24	35				
08:30	0	0	74	111	185	20:30	0	0	16	16	32				
08:45	0	0	77	310	85	457	20:45	0	0	13	51	13	76	26	127
09:00	0	0	67	79	146	21:00	0	0	28	16	44				
09:15	0	0	65	65	130	21:15	0	0	16	18	34				
09:30	0	0	45	77	122	21:30	0	0	8	13	21				
09:45	0	0	60	237	59	280	21:45	0	0	12	64	19	66	31	130
10:00	0	0	44	80	124	22:00	0	0	12	15	27				
10:15	0	0	52	66	118	22:15	0	0	13	7	20				
10:30	0	0	50	71	121	22:30	0	0	7	5	12				
10:45	0	0	49	195	56	273	22:45	0	0	11	43	9	36	20	79
11:00	0	0	63	69	132	23:00	0	0	6	21	27				
11:15	0	0	72	57	129	23:15	0	0	9	5	14				
11:30	0	0	76	69	145	23:30	0	0	13	6	19				
11:45	0	0	64	275	66	261	23:45	0	0	4	32	5	37	9	69
TOTALS			1457	1958	3415	TOTALS			2548	2205	4753				
SPLIT %			42.7%	57.3%	41.8%	SPLIT %			53.6%	46.4%	58.2%				

DAILY TOTALS					NB	SB	EB	WB	Total		
					0	0	4,005	4,163	8,168		
AM Peak Hour			08:00	07:45	07:45	PM Peak Hour			15:30	12:45	16:00
AM Pk Volume			310	517	811	PM Pk Volume			382	327	675
Pk Hr Factor			0.891	0.891	0.947	Pk Hr Factor			0.884	0.820	0.917
7 - 9 Volume	0	0	512	831	1343	4 - 6 Volume	0	0	769	508	1277
7 - 9 Peak Hour			08:00	07:45	07:45	4 - 6 Peak Hour			16:45	16:00	16:00
7 - 9 Pk Volume	0	0	310	517	811	4 - 6 Pk Volume	0	0	391	293	675
Pk Hr Factor	0.000	0.000	0.891	0.891	0.947	Pk Hr Factor	0.000	0.000	0.958	0.862	0.917

VOLUME

Aladdin Ave Bet. Teagarden St & Alvarado St

Day: Thursday
 Date: 11/3/2016

City: San Leandro
 Project #: CA16_7827_001

DAILY TOTALS					NB	SB	EB	WB	Total						
					0	0	3,982	4,104	8,086						
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL				
00:00	0	0	4	6	10	12:00	0	0	89	80	169				
00:15	0	0	7	3	10	12:15	0	0	76	78	154				
00:30	0	0	1	0	1	12:30	0	0	72	67	139				
00:45	0	0	1	13	2	11	12:45	0	0	73	310	86	311	159	621
01:00	0	0	2	0	2	13:00	0	0	84	80	164				
01:15	0	0	5	1	6	13:15	0	0	66	69	135				
01:30	0	0	2	0	2	13:30	0	0	58	67	125				
01:45	0	0	3	12	1	2	13:45	0	0	74	282	60	276	134	558
02:00	0	0	2	0	2	14:00	0	0	85	78	163				
02:15	0	0	1	0	1	14:15	0	0	76	69	145				
02:30	0	0	2	2	4	14:30	0	0	79	65	144				
02:45	0	0	0	5	2	4	14:45	0	0	80	320	62	274	142	594
03:00	0	0	1	1	2	15:00	0	0	81	66	147				
03:15	0	0	0	2	2	15:15	0	0	86	63	149				
03:30	0	0	1	3	4	15:30	0	0	101	57	158				
03:45	0	0	3	5	8	14	15:45	0	0	79	347	74	260	153	607
04:00	0	0	2	3	5	16:00	0	0	76	62	138				
04:15	0	0	6	4	10	16:15	0	0	82	65	147				
04:30	0	0	8	12	20	16:30	0	0	105	59	164				
04:45	0	0	13	29	24	43	16:45	0	0	93	356	59	245	152	601
05:00	0	0	12	12	24	17:00	0	0	117	76	193				
05:15	0	0	16	8	24	17:15	0	0	111	72	183				
05:30	0	0	24	33	57	17:30	0	0	100	61	161				
05:45	0	0	28	80	29	82	17:45	0	0	67	395	73	282	140	677
06:00	0	0	15	24	39	18:00	0	0	70	62	132				
06:15	0	0	23	33	56	18:15	0	0	53	50	103				
06:30	0	0	14	43	57	18:30	0	0	58	44	102				
06:45	0	0	34	86	77	177	18:45	0	0	48	229	48	204	96	433
07:00	0	0	40	66	106	19:00	0	0	41	38	79				
07:15	0	0	29	76	105	19:15	0	0	46	54	100				
07:30	0	0	74	86	160	19:30	0	0	38	32	70				
07:45	0	0	81	224	137	365	19:45	0	0	28	153	22	146	50	299
08:00	0	0	98	154	252	20:00	0	0	21	19	40				
08:15	0	0	50	145	195	20:15	0	0	22	20	42				
08:30	0	0	63	95	158	20:30	0	0	17	18	35				
08:45	0	0	66	277	87	481	20:45	0	0	15	75	11	68	26	143
09:00	0	0	62	68	130	21:00	0	0	22	16	38				
09:15	0	0	44	66	110	21:15	0	0	12	17	29				
09:30	0	0	47	70	117	21:30	0	0	8	12	20				
09:45	0	0	47	200	49	253	21:45	0	0	14	56	19	64	33	120
10:00	0	0	51	50	101	22:00	0	0	13	11	24				
10:15	0	0	50	56	106	22:15	0	0	13	14	27				
10:30	0	0	42	50	92	22:30	0	0	9	9	18				
10:45	0	0	50	193	51	207	22:45	0	0	10	45	13	47	23	92
11:00	0	0	67	69	136	23:00	0	0	7	9	16				
11:15	0	0	73	59	132	23:15	0	0	3	6	9				
11:30	0	0	58	67	125	23:30	0	0	11	7	18				
11:45	0	0	65	263	66	261	23:45	0	0	6	27	5	27	11	54
TOTALS			1387	1900	3287	TOTALS			2595	2204	4799				
SPLIT %			42.2%	57.8%	40.7%	SPLIT %			54.1%	45.9%	59.3%				

DAILY TOTALS					NB	SB	EB	WB	Total
					0	0	3,982	4,104	8,086

AM Peak Hour	07:30	07:45	07:30	PM Peak Hour	16:30	12:00	16:30				
AM Pk Volume	303	531	825	PM Pk Volume	395	311	692				
Pk Hr Factor	0.773	0.862	0.818	Pk Hr Factor	0.844	0.904	0.896				
7 - 9 Volume	0	0	501	846	1347	4 - 6 Volume	0	0	751	527	1278
7 - 9 Peak Hour	07:30	07:45	07:30	4 - 6 Peak Hour	16:30	17:00	16:30				
7 - 9 Pk Volume	0	0	303	531	825	4 - 6 Pk Volume	0	0	426	282	692
Pk Hr Factor	0.000	0.000	0.773	0.862	0.818	Pk Hr Factor	0.000	0.000	0.910	0.928	0.896

VOLUME

Alvarado St Bet. Aladdin Ave & Montague Ave

Day: Wednesday
 Date: 11/9/2016

City: San Leandro
 Project #: CA16_7827_002

DAILY TOTALS					NB	SB	EB	WB	Total				
					7,380	5,335	0	0	12,715				
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
00:00	10	5	0	0	15	12:00	125	82	0	0	207		
00:15	8	5	0	0	13	12:15	101	87	0	0	188		
00:30	8	7	0	0	15	12:30	128	85	0	0	213		
00:45	1	27	5	22	6	12:45	120	474	97	351	0	217	825
01:00	7	4	0	0	11	13:00	119	90	0	0	209		
01:15	2	6	0	0	8	13:15	117	91	0	0	208		
01:30	7	4	0	0	11	13:30	123	92	0	0	215		
01:45	2	18	4	18	6	13:45	135	494	92	365	0	227	859
02:00	6	2	0	0	8	14:00	176	93	0	0	269		
02:15	13	5	0	0	18	14:15	134	108	0	0	242		
02:30	4	6	0	0	10	14:30	180	108	0	0	288		
02:45	3	26	12	25	15	14:45	130	620	98	407	0	228	1027
03:00	7	11	0	0	18	15:00	140	101	0	0	241		
03:15	7	8	0	0	15	15:15	129	87	0	0	216		
03:30	7	5	0	0	12	15:30	143	117	0	0	260		
03:45	11	32	18	42	29	15:45	126	538	82	387	0	208	925
04:00	7	13	0	0	20	16:00	119	103	0	0	222		
04:15	18	12	0	0	30	16:15	121	81	0	0	202		
04:30	20	24	0	0	44	16:30	109	100	0	0	209		
04:45	27	72	37	86	64	16:45	125	474	115	399	0	240	873
05:00	19	29	0	0	48	17:00	169	96	0	0	265		
05:15	21	41	0	0	62	17:15	134	128	0	0	262		
05:30	38	40	0	0	78	17:30	147	102	0	0	249		
05:45	44	122	52	162	96	17:45	113	563	92	418	0	205	981
06:00	62	38	0	0	100	18:00	103	87	0	0	190		
06:15	60	47	0	0	107	18:15	80	69	0	0	149		
06:30	68	56	0	0	124	18:30	86	72	0	0	158		
06:45	117	307	66	207	183	18:45	85	354	44	272	0	129	626
07:00	130	55	0	0	185	19:00	70	60	0	0	130		
07:15	158	73	0	0	231	19:15	76	62	0	0	138		
07:30	191	103	0	0	294	19:30	67	48	0	0	115		
07:45	196	675	119	350	315	19:45	47	260	25	195	0	72	455
08:00	198	105	0	0	303	20:00	49	35	0	0	84		
08:15	163	115	0	0	278	20:15	33	29	0	0	62		
08:30	163	71	0	0	234	20:30	44	21	0	0	65		
08:45	141	665	94	385	235	20:45	39	165	25	110	0	64	275
09:00	90	95	0	0	185	21:00	45	28	0	0	73		
09:15	119	68	0	0	187	21:15	43	29	0	0	72		
09:30	85	56	0	0	141	21:30	34	24	0	0	58		
09:45	94	388	73	292	167	21:45	29	151	23	104	0	52	255
10:00	99	68	0	0	167	22:00	54	11	0	0	65		
10:15	75	63	0	0	138	22:15	19	33	0	0	52		
10:30	86	70	0	0	156	22:30	20	13	0	0	33		
10:45	96	356	71	272	167	22:45	25	118	21	78	0	46	196
11:00	97	71	0	0	168	23:00	30	14	0	0	44		
11:15	97	88	0	0	185	23:15	12	10	0	0	22		
11:30	112	97	0	0	209	23:30	8	12	0	0	20		
11:45	115	421	87	343	202	23:45	10	60	9	45	0	19	105
TOTALS	3109	2204			5313	TOTALS	4271	3131			7402		
SPLIT %	58.5%	41.5%			41.8%	SPLIT %	57.7%	42.3%			58.2%		

DAILY TOTALS					NB	SB	EB	WB	Total		
					7,380	5,335	0	0	12,715		
AM Peak Hour	07:30	07:30			07:30	PM Peak Hour	13:45	16:45	14:00		
AM Pk Volume	748	442			1190	PM Pk Volume	625	441	1027		
Pk Hr Factor	0.944	0.929			0.944	Pk Hr Factor	0.811	0.799	0.891		
7 - 9 Volume	1340	735	0	0	2075	4 - 6 Volume	1037	817	0	0	1854
7 - 9 Peak Hour	07:30	07:30			07:30	4 - 6 Peak Hour	16:45	16:45			16:45
7 - 9 Pk Volume	748	442	0	0	1190	4 - 6 Pk Volume	575	441	0	0	1016
Pk Hr Factor	0.944	0.929	0.000	0.000	0.944	Pk Hr Factor	0.851	0.861	0.000	0.000	0.958

VOLUME

Alvarado St Bet. Aladdin Ave & Montague Ave

Day: Thursday
 Date: 11/10/2016

City: San Leandro
 Project #: CA16_7827_002

DAILY TOTALS						NB	SB	EB	WB	Total	
						7,235	5,356	0	0	12,591	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	10	10	0	0	20	12:00	127	94	0	0	221
00:15	10	6	0	0	16	12:15	117	112	0	0	229
00:30	8	3	0	0	11	12:30	101	86	0	0	187
00:45	11	39	8	27	19	12:45	101	446	97	389	198
					66						835
01:00	4	6	0	0	10	13:00	103	92	0	0	195
01:15	5	2	0	0	7	13:15	101	86	0	0	187
01:30	3	3	0	0	6	13:30	134	94	0	0	228
01:45	9	21	7	18	16	13:45	88	426	90	362	178
					39						788
02:00	4	5	0	0	9	14:00	151	92	0	0	243
02:15	3	5	0	0	8	14:15	101	88	0	0	189
02:30	2	5	0	0	7	14:30	140	112	0	0	252
02:45	7	16	9	24	16	14:45	131	523	101	393	232
					40						916
03:00	5	7	0	0	12	15:00	180	115	0	0	295
03:15	10	7	0	0	17	15:15	127	105	0	0	232
03:30	5	10	0	0	15	15:30	160	104	0	0	264
03:45	4	24	18	42	22	15:45	112	579	120	444	232
					66						1023
04:00	12	10	0	0	22	16:00	118	105	0	0	223
04:15	17	12	0	0	29	16:15	152	99	0	0	251
04:30	18	17	0	0	35	16:30	120	119	0	0	239
04:45	26	73	39	78	65	16:45	115	505	92	415	207
					151						920
05:00	22	28	0	0	50	17:00	166	108	0	0	274
05:15	22	44	0	0	66	17:15	139	114	0	0	253
05:30	43	39	0	0	82	17:30	133	112	0	0	245
05:45	38	125	55	166	93	17:45	117	555	80	414	197
					291						969
06:00	47	49	0	0	96	18:00	96	94	0	0	190
06:15	56	37	0	0	93	18:15	96	62	0	0	158
06:30	73	65	0	0	138	18:30	92	55	0	0	147
06:45	84	260	63	214	147	18:45	78	362	57	268	135
					474						630
07:00	133	53	0	0	186	19:00	89	59	0	0	148
07:15	152	78	0	0	230	19:15	66	64	0	0	130
07:30	197	81	0	0	278	19:30	60	53	0	0	113
07:45	226	708	113	325	339	19:45	55	270	30	206	85
					1033						476
08:00	199	107	0	0	306	20:00	56	25	0	0	81
08:15	157	110	0	0	267	20:15	46	34	0	0	80
08:30	140	71	0	0	211	20:30	33	33	0	0	66
08:45	118	614	79	367	197	20:45	36	171	28	120	64
					981						291
09:00	83	62	0	0	145	21:00	45	19	0	0	64
09:15	88	61	0	0	149	21:15	38	31	0	0	69
09:30	107	73	0	0	180	21:30	40	26	0	0	66
09:45	77	355	69	265	146	21:45	48	171	22	98	70
					620						269
10:00	94	75	0	0	169	22:00	44	17	0	0	61
10:15	83	66	0	0	149	22:15	33	21	0	0	54
10:30	105	85	0	0	190	22:30	22	22	0	0	44
10:45	88	370	61	287	149	22:45	29	128	18	78	47
					657						206
11:00	118	62	0	0	180	23:00	22	11	0	0	33
11:15	91	69	0	0	160	23:15	12	10	0	0	22
11:30	110	78	0	0	188	23:30	24	13	0	0	37
11:45	108	427	97	306	205	23:45	9	67	16	50	25
					733						117
TOTALS	3032	2119			5151	TOTALS	4203	3237			7440
SPLIT %	58.9%	41.1%			40.9%	SPLIT %	56.5%	43.5%			59.1%

DAILY TOTALS						NB	SB	EB	WB	Total
						7,235	5,356	0	0	12,591

AM Peak Hour	07:30	07:30			07:30	PM Peak Hour	14:45	15:00			14:45
AM Pk Volume	779	411			1190	PM Pk Volume	598	444			1023
Pk Hr Factor	0.862	0.909			0.878	Pk Hr Factor	0.808	0.892			0.867
7 - 9 Volume	1322	692	0	0	2014	4 - 6 Volume	1060	829	0	0	1889
7 - 9 Peak Hour	07:30	07:30			07:30	4 - 6 Peak Hour	17:00	16:30			16:45
7 - 9 Pk Volume	779	411	0	0	1190	4 - 6 Pk Volume	555	433	0	0	979
Pk Hr Factor	0.862	0.909	0.000	0.000	0.878	Pk Hr Factor	0.836	0.910	0.000	0.000	0.893

***Appendix B – Existing Conditions Intersections Level of Service
Worksheets and Driveway Counts***

HCM Signalized Intersection Capacity Analysis

1: Alvarado St. & Aladdin Ave./W.Avenue 137th St.

11/16/2016



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗		↖	↗		↖	↑	↗	↖	↗	↖
Traffic Volume (vph)	211	13	64	5	4	14	332	538	18	18	210	190
Future Volume (vph)	211	13	64	5	4	14	332	538	18	18	210	190
Ideal Flow (vphp)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.5	4.5	4.0	4.5	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	0.95	
Frbp, ped/bikes	1.00	1.00		1.00	0.98		1.00	1.00	0.98	1.00	1.00	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frt	1.00	0.88		1.00	0.89		1.00	1.00	0.85	1.00	0.93	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1719	1444		1805	989		1752	1759	1394	1157	3091	
Flt Permitted	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1719	1444		1805	989		1752	1759	1394	1157	3091	
Peak-hour factor, PHF	0.85	0.85	0.85	0.72	0.72	0.72	0.91	0.91	0.91	0.91	0.91	0.91
Adj. Flow (vph)	248	15	75	7	6	19	365	591	20	20	231	209
RTOR Reduction (vph)	0	49	0	0	16	0	0	0	12	0	160	0
Lane Group Flow (vph)	248	41	0	7	9	0	365	591	8	20	280	0
Confl. Peds. (#/hr)							2		2			
Confl. Bikes (#/hr)									1			
Heavy Vehicles (%)	5%	46%	9%	0%	43%	75%	3%	8%	13%	56%	8%	9%
Turn Type	Prot	NA		Prot	NA		Prot	NA	Perm	Prot	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases									8			
Actuated Green, G (s)	14.9	27.9		1.4	14.4		15.5	30.8	30.8	3.3	18.6	
Effective Green, g (s)	14.9	27.9		1.4	14.4		15.5	30.8	30.8	3.3	18.6	
Actuated g/C Ratio	0.19	0.35		0.02	0.18		0.19	0.39	0.39	0.04	0.23	
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.5	4.5	4.0	4.5	
Vehicle Extension (s)	5.0	5.0		5.0	5.0		5.0	5.0	5.0	5.0	5.0	
Lane Grp Cap (vph)	320	504		31	178		339	678	537	47	719	
v/s Ratio Prot	c0.14	c0.03		0.00	0.01		c0.21	c0.34		0.02	0.09	
v/s Ratio Perm									0.01			
v/c Ratio	0.78	0.08		0.23	0.05		1.08	0.87	0.01	0.43	0.39	
Uniform Delay, d1	30.9	17.4		38.7	27.1		32.2	22.7	15.2	37.4	25.9	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	12.9	0.1		7.6	0.3		70.8	12.8	0.0	12.5	0.7	
Delay (s)	43.8	17.6		46.3	27.4		103.0	35.5	15.2	49.8	26.6	
Level of Service	D	B		D	C		F	D	B	D	C	
Approach Delay (s)		36.8			31.5			60.3			27.6	
Approach LOS		D			C			E			C	

Intersection Summary

HCM 2000 Control Delay	47.1	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.76		
Actuated Cycle Length (s)	79.9	Sum of lost time (s)	16.5
Intersection Capacity Utilization	60.4%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			

HCM Signalized Intersection Capacity Analysis

2: Fairway Dr./Aladdin Ave. & Teagarden St.

11/16/2016



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	47	250	72	8	446	46	165	95	7	65	147	148
Future Volume (vph)	47	250	72	8	446	46	165	95	7	65	147	148
Ideal Flow (vphp)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.5		4.0	4.5		4.5	4.5		4.5	4.5	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00		1.00	0.99	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frt	1.00	0.97		1.00	0.99		1.00	0.99		1.00	0.92	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1736	1757		1736	1798		1736	1807		1734	1672	
Flt Permitted	0.95	1.00		0.95	1.00		0.41	1.00		0.69	1.00	
Satd. Flow (perm)	1736	1757		1736	1798		742	1807		1255	1672	
Peak-hour factor, PHF	0.84	0.84	0.84	0.84	0.84	0.84	0.94	0.94	0.94	0.86	0.86	0.86
Adj. Flow (vph)	56	298	86	10	531	55	176	101	7	76	171	172
RTOR Reduction (vph)	0	13	0	0	5	0	0	4	0	0	65	0
Lane Group Flow (vph)	56	371	0	10	581	0	176	104	0	76	278	0
Confl. Peds. (#/hr)									1	1		
Confl. Bikes (#/hr)			1			2						1
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Turn Type	Prot	NA		Prot	NA		Perm	NA		Perm	NA	
Protected Phases	5	2		1	6			8			4	
Permitted Phases							8			4		
Actuated Green, G (s)	2.1	24.5		0.6	23.0		16.7	16.7		16.7	16.7	
Effective Green, g (s)	2.1	24.5		0.6	23.0		16.7	16.7		16.7	16.7	
Actuated g/C Ratio	0.04	0.45		0.01	0.42		0.30	0.30		0.30	0.30	
Clearance Time (s)	4.0	4.5		4.0	4.5		4.5	4.5		4.5	4.5	
Vehicle Extension (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Lane Grp Cap (vph)	66	785		19	754		226	550		382	509	
v/s Ratio Prot	c0.03	0.21		0.01	c0.32			0.06			0.17	
v/s Ratio Perm							c0.24			0.06		
v/c Ratio	0.85	0.47		0.53	0.77		0.78	0.19		0.20	0.55	
Uniform Delay, d1	26.2	10.6		27.0	13.6		17.4	14.1		14.1	15.9	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2	62.0	0.6		30.2	5.2		16.3	0.2		0.4	1.5	
Delay (s)	88.2	11.2		57.2	18.8		33.7	14.3		14.5	17.4	
Level of Service	F	B		E	B		C	B		B	B	
Approach Delay (s)		21.0			19.4			26.3			16.9	
Approach LOS		C			B			C			B	

Intersection Summary			
HCM 2000 Control Delay	20.3	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.78		
Actuated Cycle Length (s)	54.8	Sum of lost time (s)	13.0
Intersection Capacity Utilization	70.1%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			

HCM Unsignalized Intersection Capacity Analysis

3: Montague Ave. & Alvarado St.

11/16/2016



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕		↗	↘		↗	↘	
Traffic Volume (veh/h)	12	1	15	4	2	16	85	644	26	33	408	19
Future Volume (Veh/h)	12	1	15	4	2	16	85	644	26	33	408	19
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.78	0.78	0.78	0.69	0.69	0.69	0.84	0.84	0.84	0.88	0.88	0.88
Hourly flow rate (vph)	15	1	19	6	3	23	101	767	31	38	464	22
Pedestrians		3			3			1			1	
Lane Width (ft)		12.0			12.0			12.0			12.0	
Walking Speed (ft/s)		4.0			4.0			4.0			4.0	
Percent Blockage		0			0			0			0	
Right turn flare (veh)												
Median type								None			None	
Median storage veh												
Upstream signal (ft)								771			1271	
pX, platoon unblocked	0.74	0.74	0.93	0.74	0.74	0.70	0.93			0.70		
vC, conflicting volume	1548	1557	479	1548	1552	786	489			801		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	1337	1349	396	1337	1343	484	407			504		
tC, single (s)	7.1	6.5	6.2	7.1	6.5	6.2	4.1			4.1		
tC, 2 stage (s)												
tF (s)	3.5	4.0	3.3	3.5	4.0	3.3	2.2			2.2		
p0 queue free %	81	99	97	93	97	94	90			95		
cM capacity (veh/h)	79	95	602	82	96	408	1063			742		
Direction, Lane #	EB 1	WB 1	NB 1	NB 2	SB 1	SB 2						
Volume Total	35	32	101	798	38	486						
Volume Left	15	6	101	0	38	0						
Volume Right	19	23	0	31	0	22						
cSH	150	199	1063	1700	742	1700						
Volume to Capacity	0.23	0.16	0.10	0.47	0.05	0.29						
Queue Length 95th (ft)	21	14	8	0	4	0						
Control Delay (s)	36.1	26.5	8.7	0.0	10.1	0.0						
Lane LOS	E	D	A		B							
Approach Delay (s)	36.1	26.5	1.0		0.7							
Approach LOS	E	D										
Intersection Summary												
Average Delay			2.3									
Intersection Capacity Utilization			52.5%		ICU Level of Service				A			
Analysis Period (min)			15									

HCM Signalized Intersection Capacity Analysis

4: Alvarado St. & Marina Blvd

11/16/2016



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗	↘	↖	↗		↖	↗	↘	↖	↗	↘
Traffic Volume (vph)	77	396	102	192	622	25	197	232	235	46	187	69
Future Volume (vph)	77	396	102	192	622	25	197	232	235	46	187	69
Ideal Flow (vphp)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	5.0	5.0	4.0	5.0		4.0	5.0	5.0	4.0	4.6	
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95		0.97	1.00	1.00	0.97	0.95	
Frbp, ped/bikes	1.00	1.00	0.99	1.00	1.00		1.00	1.00	0.98	1.00	0.99	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frt	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85	1.00	0.96	
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1736	3539	1531	1770	3515		3367	1827	1551	3433	3312	
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1736	3539	1531	1770	3515		3367	1827	1551	3433	3312	
Peak-hour factor, PHF	0.90	0.90	0.90	0.95	0.95	0.95	0.83	0.83	0.83	0.85	0.85	0.85
Adj. Flow (vph)	86	440	113	202	655	26	237	280	283	54	220	81
RTOR Reduction (vph)	0	0	74	0	2	0	0	0	218	0	44	0
Lane Group Flow (vph)	86	440	39	202	679	0	237	280	65	54	257	0
Confl. Peds. (#/hr)			1			3			5			4
Confl. Bikes (#/hr)			2						2			3
Heavy Vehicles (%)	4%	2%	4%	2%	2%	2%	4%	4%	2%	2%	4%	4%
Turn Type	Prot	NA	Perm	Prot	NA		Prot	NA	Perm	Prot	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases			2						8			
Actuated Green, G (s)	7.7	32.5	32.5	16.0	40.8		12.2	21.9	21.9	6.6	16.7	
Effective Green, g (s)	7.7	32.5	32.5	16.0	40.8		12.2	21.9	21.9	6.6	16.7	
Actuated g/C Ratio	0.08	0.34	0.34	0.17	0.43		0.13	0.23	0.23	0.07	0.18	
Clearance Time (s)	4.0	5.0	5.0	4.0	5.0		4.0	5.0	5.0	4.0	4.6	
Vehicle Extension (s)	2.0	6.0	6.0	4.0	6.0		4.0	4.0	4.0	4.0	4.0	
Lane Grp Cap (vph)	140	1210	523	298	1509		432	421	357	238	582	
v/s Ratio Prot	0.05	0.12		c0.11	c0.19		c0.07	c0.15		0.02	0.08	
v/s Ratio Perm			0.03						0.04			
v/c Ratio	0.61	0.36	0.07	0.68	0.45		0.55	0.67	0.18	0.23	0.44	
Uniform Delay, d1	42.2	23.5	21.1	37.1	19.2		38.8	33.2	29.4	41.8	35.0	
Progression Factor	0.53	0.77	2.44	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	5.3	0.8	0.3	6.5	0.6		1.8	4.3	0.3	0.7	0.7	
Delay (s)	27.8	19.0	51.8	43.6	19.8		40.6	37.5	29.7	42.5	35.7	
Level of Service	C	B	D	D	B		D	D	C	D	D	
Approach Delay (s)		26.0			25.2			35.7			36.7	
Approach LOS		C			C			D			D	

Intersection Summary

HCM 2000 Control Delay	30.0	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.59		
Actuated Cycle Length (s)	95.0	Sum of lost time (s)	18.0
Intersection Capacity Utilization	63.8%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			

HCM Signalized Intersection Capacity Analysis
 5: Teagarden St./Wayne Ave. & Marina Blvd.

11/16/2016



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	108	562	280	130	751	27	212	42	56	26	79	122
Future Volume (vph)	108	562	280	130	751	27	212	42	56	26	79	122
Ideal Flow (vphp)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.0	5.0	5.0	5.0	5.0		4.6	4.6	4.6		4.6	4.6
Lane Util. Factor	1.00	0.91	1.00	1.00	0.91		0.95	0.95	1.00		1.00	1.00
Frpb, ped/bikes	1.00	1.00	0.98	1.00	1.00		1.00	1.00	0.98		1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85		1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	0.97	1.00		0.99	1.00
Satd. Flow (prot)	1736	4988	1523	1736	4957		1649	1679	1521		1804	1553
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	0.97	1.00		0.99	1.00
Satd. Flow (perm)	1736	4988	1523	1736	4957		1649	1679	1521		1804	1553
Peak-hour factor, PHF	0.90	0.90	0.90	0.92	0.92	0.92	0.95	0.95	0.95	0.73	0.73	0.73
Adj. Flow (vph)	120	624	311	141	816	29	223	44	59	36	108	167
RTOR Reduction (vph)	0	0	192	0	3	0	0	0	49	0	0	148
Lane Group Flow (vph)	120	624	119	141	842	0	132	135	10	0	144	19
Confl. Peds. (#/hr)			6			5			10			1
Confl. Bikes (#/hr)			1									
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Turn Type	Prot	NA	Perm	Prot	NA		Split	NA	Perm	Split	NA	Prot
Protected Phases	5	2		1	6		8	8		7	7	7
Permitted Phases			2						8			
Actuated Green, G (s)	11.7	36.3	36.3	12.7	37.3		16.2	16.2	16.2		10.6	10.6
Effective Green, g (s)	11.7	36.3	36.3	12.7	37.3		16.2	16.2	16.2		10.6	10.6
Actuated g/C Ratio	0.12	0.38	0.38	0.13	0.39		0.17	0.17	0.17		0.11	0.11
Clearance Time (s)	5.0	5.0	5.0	5.0	5.0		4.6	4.6	4.6		4.6	4.6
Vehicle Extension (s)	4.0	6.0	6.0	4.0	6.0		4.0	4.0	4.0		4.0	4.0
Lane Grp Cap (vph)	213	1905	581	232	1946		281	286	259		201	173
v/s Ratio Prot	0.07	0.13		c0.08	c0.17		0.08	c0.08			c0.08	0.01
v/s Ratio Perm			0.08						0.01			
v/c Ratio	0.56	0.33	0.20	0.61	0.43		0.47	0.47	0.04		0.72	0.11
Uniform Delay, d1	39.2	20.7	19.7	38.8	21.1		35.5	35.5	32.9		40.7	37.9
Progression Factor	1.00	1.00	1.00	0.82	0.74		1.00	1.00	1.00		1.00	1.00
Incremental Delay, d2	4.1	0.5	0.8	4.7	0.4		1.7	1.7	0.1		12.3	0.4
Delay (s)	43.3	21.2	20.5	36.4	16.0		37.2	37.2	33.0		53.0	38.3
Level of Service	D	C	C	D	B		D	D	C		D	D
Approach Delay (s)		23.5			18.9			36.5			45.1	
Approach LOS		C			B			D			D	

Intersection Summary		
HCM 2000 Control Delay	25.9	HCM 2000 Level of Service
HCM 2000 Volume to Capacity ratio	0.52	C
Actuated Cycle Length (s)	95.0	Sum of lost time (s)
Intersection Capacity Utilization	57.5%	19.2
Analysis Period (min)	15	ICU Level of Service
		B
c Critical Lane Group		

HCM Signalized Intersection Capacity Analysis

1: Alvarado St. & Aladdin Ave./W.Avenue 137th St.

11/16/2016



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗		↖	↗		↖	↑	↗	↖	↗	
Traffic Volume (vph)	212	8	188	15	6	23	133	309	5	7	320	134
Future Volume (vph)	212	8	188	15	6	23	133	309	5	7	320	134
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.5	4.5	4.0	4.5	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	0.95	
Frbp, ped/bikes	1.00	1.00		1.00	0.98		1.00	1.00	0.98	1.00	0.99	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frt	1.00	0.86		1.00	0.88		1.00	1.00	0.85	1.00	0.96	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1736	1562		1805	1542		1770	1827	1260	1805	3179	
Flt Permitted	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1736	1562		1805	1542		1770	1827	1260	1805	3179	
Peak-hour factor, PHF	0.81	0.81	0.81	0.58	0.58	0.58	0.92	0.92	0.92	0.89	0.89	0.89
Adj. Flow (vph)	262	10	232	26	10	40	145	336	5	8	360	151
RTOR Reduction (vph)	0	152	0	0	33	0	0	0	3	0	60	0
Lane Group Flow (vph)	262	90	0	26	17	0	145	336	2	8	451	0
Confl. Peds. (#/hr)							1			1		3
Confl. Bikes (#/hr)									3			3
Heavy Vehicles (%)	4%	30%	3%	0%	13%	5%	2%	4%	25%	0%	7%	9%
Turn Type	Prot	NA		Prot	NA		Prot	NA	Perm	Prot	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases									8			
Actuated Green, G (s)	15.5	26.2		3.1	13.8		9.9	28.9	28.9	1.3	20.3	
Effective Green, g (s)	15.5	26.2		3.1	13.8		9.9	28.9	28.9	1.3	20.3	
Actuated g/C Ratio	0.20	0.34		0.04	0.18		0.13	0.38	0.38	0.02	0.27	
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.5	4.5	4.0	4.5	
Vehicle Extension (s)	5.0	5.0		5.0	5.0		5.0	5.0	5.0	5.0	5.0	
Lane Grp Cap (vph)	354	538		73	279		230	694	479	30	849	
v/s Ratio Prot	c0.15	c0.06		0.01	0.01		c0.08	c0.18		0.00	0.14	
v/s Ratio Perm									0.00			
v/c Ratio	0.74	0.17		0.36	0.06		0.63	0.48	0.00	0.27	0.53	
Uniform Delay, d1	28.4	17.3		35.5	25.7		31.3	17.9	14.6	36.9	23.8	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	9.6	0.3		6.1	0.2		7.6	1.1	0.0	9.7	1.2	
Delay (s)	38.0	17.6		41.6	25.9		38.9	19.0	14.6	46.6	25.0	
Level of Service	D	B		D	C		D	B	B	D	C	
Approach Delay (s)		28.2			31.3			24.9			25.3	
Approach LOS		C			C			C			C	

Intersection Summary

HCM 2000 Control Delay	26.4	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.53		
Actuated Cycle Length (s)	76.0	Sum of lost time (s)	16.5
Intersection Capacity Utilization	50.1%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			

HCM Signalized Intersection Capacity Analysis
 2: Fairway Dr./Aladdin Ave. & Teagarden St.

11/16/2016



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗		↖	↗		↖	↗		↖	↗	
Traffic Volume (vph)	116	355	204	2	236	56	65	103	13	34	195	130
Future Volume (vph)	116	355	204	2	236	56	65	103	13	34	195	130
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.5		4.0	4.5		4.5	4.5		4.5	4.5	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frbp, ped/bikes	1.00	0.99		1.00	0.99		1.00	1.00		1.00	0.99	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frt	1.00	0.95		1.00	0.97		1.00	0.98		1.00	0.94	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1736	1712		1736	1766		1735	1791		1730	1702	
Flt Permitted	0.95	1.00		0.95	1.00		0.36	1.00		0.67	1.00	
Satd. Flow (perm)	1736	1712		1736	1766		664	1791		1223	1702	
Peak-hour factor, PHF	0.92	0.92	0.92	0.87	0.87	0.87	0.87	0.87	0.87	0.88	0.88	0.88
Adj. Flow (vph)	126	386	222	2	271	64	75	118	15	39	222	148
RTOR Reduction (vph)	0	27	0	0	12	0	0	8	0	0	44	0
Lane Group Flow (vph)	126	581	0	2	323	0	75	125	0	39	326	0
Confl. Peds. (#/hr)			3			2	1		4	4		1
Confl. Bikes (#/hr)			1			4						
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Turn Type	Prot	NA		Prot	NA		Perm	NA		Perm	NA	
Protected Phases	5	2		1	6			8				4
Permitted Phases							8			4		
Actuated Green, G (s)	4.1	23.8		0.6	20.3		15.8	15.8		15.8	15.8	
Effective Green, g (s)	4.1	23.8		0.6	20.3		15.8	15.8		15.8	15.8	
Actuated g/C Ratio	0.08	0.45		0.01	0.38		0.30	0.30		0.30	0.30	
Clearance Time (s)	4.0	4.5		4.0	4.5		4.5	4.5		4.5	4.5	
Vehicle Extension (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Lane Grp Cap (vph)	133	765		19	673		197	531		363	505	
v/s Ratio Prot	c0.07	c0.34		0.00	0.18			0.07				c0.19
v/s Ratio Perm							0.11			0.03		
v/c Ratio	0.95	0.76		0.11	0.48		0.38	0.23		0.11	0.65	
Uniform Delay, d1	24.4	12.3		26.0	12.5		14.8	14.1		13.6	16.3	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2	61.8	4.7		3.3	0.7		1.7	0.3		0.2	3.2	
Delay (s)	86.3	17.1		29.4	13.2		16.5	14.4		13.8	19.4	
Level of Service	F	B		C	B		B	B		B	B	
Approach Delay (s)		28.9			13.3			15.2			18.9	
Approach LOS		C			B			B			B	

Intersection Summary		
HCM 2000 Control Delay	21.7	HCM 2000 Level of Service
HCM 2000 Volume to Capacity ratio	0.75	C
Actuated Cycle Length (s)	53.2	Sum of lost time (s)
Intersection Capacity Utilization	72.4%	13.0
Analysis Period (min)	15	ICU Level of Service
		C
c Critical Lane Group		

HCM Unsignalized Intersection Capacity Analysis

3: Montague Ave. & Alvarado St.

11/16/2016



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕		↗	↘		↗	↘	
Traffic Volume (veh/h)	29	0	23	10	2	21	28	512	4	8	426	23
Future Volume (Veh/h)	29	0	23	10	2	21	28	512	4	8	426	23
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.68	0.68	0.68	0.64	0.64	0.64	0.92	0.92	0.92	0.89	0.89	0.89
Hourly flow rate (vph)	43	0	34	16	3	33	30	557	4	9	479	26
Pedestrians		3			2							1
Lane Width (ft)		12.0			12.0							12.0
Walking Speed (ft/s)		4.0			4.0							4.0
Percent Blockage		0			0							0
Right turn flare (veh)												
Median type								None				None
Median storage (veh)												
Upstream signal (ft)								771				1271
pX, platoon unblocked	0.93	0.93	0.91	0.93	0.93	0.89	0.91			0.89		
vC, conflicting volume	1166	1136	495	1152	1147	562	508			563		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	917	886	392	903	898	441	407			442		
tC, single (s)	7.1	6.5	6.2	7.1	6.5	6.2	4.1			4.1		
tC, 2 stage (s)												
tF (s)	3.5	4.0	3.3	3.5	4.0	3.3	2.2			2.2		
p0 queue free %	80	100	94	93	99	94	97			99		
cM capacity (veh/h)	211	253	594	219	249	545	1043			989		
Direction, Lane #	EB 1	WB 1	NB 1	NB 2	SB 1	SB 2						
Volume Total	77	52	30	561	9	505						
Volume Left	43	16	30	0	9	0						
Volume Right	34	33	0	4	0	26						
cSH	295	357	1043	1700	989	1700						
Volume to Capacity	0.26	0.15	0.03	0.33	0.01	0.30						
Queue Length 95th (ft)	25	13	2	0	1	0						
Control Delay (s)	21.4	16.8	8.6	0.0	8.7	0.0						
Lane LOS	C	C	A		A							
Approach Delay (s)	21.4	16.8	0.4		0.2							
Approach LOS	C	C										
Intersection Summary												
Average Delay			2.3									
Intersection Capacity Utilization			39.2%		ICU Level of Service					A		
Analysis Period (min)			15									

HCM Signalized Intersection Capacity Analysis

4: Alvarado St. & Marina Blvd

11/16/2016



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	88	812	99	148	500	23	163	174	259	28	194	92
Future Volume (vph)	88	812	99	148	500	23	163	174	259	28	194	92
Ideal Flow (vphp)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	5.0	5.0	4.0	5.0		4.0	5.0	5.0	4.0	4.6	
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95		0.97	1.00	1.00	0.97	0.95	
Frbp, ped/bikes	1.00	1.00	0.98	1.00	1.00		1.00	1.00	0.98	1.00	0.99	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frt	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85	1.00	0.95	
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1736	3539	1527	1770	3511		3367	1827	1551	3433	3285	
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1736	3539	1527	1770	3511		3367	1827	1551	3433	3285	
Peak-hour factor, PHF	0.93	0.93	0.93	0.95	0.95	0.95	0.94	0.94	0.94	0.87	0.87	0.87
Adj. Flow (vph)	95	873	106	156	526	24	173	185	276	32	223	106
RTOR Reduction (vph)	0	0	63	0	3	0	0	0	214	0	62	0
Lane Group Flow (vph)	95	873	43	156	547	0	173	185	62	32	267	0
Confl. Peds. (#/hr)			4			5			4			1
Confl. Bikes (#/hr)						1			3			3
Heavy Vehicles (%)	4%	2%	4%	2%	2%	2%	4%	4%	2%	2%	4%	4%
Turn Type	Prot	NA	Perm	Prot	NA		Prot	NA	Perm	Prot	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases			2						8			
Actuated Green, G (s)	8.6	40.6	40.6	14.2	46.2		11.3	22.5	22.5	4.7	16.3	
Effective Green, g (s)	8.6	40.6	40.6	14.2	46.2		11.3	22.5	22.5	4.7	16.3	
Actuated g/C Ratio	0.09	0.41	0.41	0.14	0.46		0.11	0.22	0.22	0.05	0.16	
Clearance Time (s)	4.0	5.0	5.0	4.0	5.0		4.0	5.0	5.0	4.0	4.6	
Vehicle Extension (s)	2.0	6.0	6.0	4.0	6.0		4.0	4.0	4.0	4.0	4.0	
Lane Grp Cap (vph)	149	1436	619	251	1622		380	411	348	161	535	
v/s Ratio Prot	0.05	c0.25		c0.09	0.16		c0.05	c0.10		0.01	0.08	
v/s Ratio Perm			0.03						0.04			
v/c Ratio	0.64	0.61	0.07	0.62	0.34		0.46	0.45	0.18	0.20	0.50	
Uniform Delay, d1	44.2	23.4	18.2	40.4	17.1		41.5	33.4	31.3	45.8	38.1	
Progression Factor	1.44	0.23	0.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	5.3	1.6	0.2	5.3	0.3		1.2	1.1	0.3	0.8	1.0	
Delay (s)	68.8	7.0	0.2	45.7	17.5		42.7	34.5	31.6	46.7	39.1	
Level of Service	E	A	A	D	B		D	C	C	D	D	
Approach Delay (s)		11.8			23.7			35.5			39.8	
Approach LOS		B			C			D			D	

Intersection Summary

HCM 2000 Control Delay	23.9	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.57		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	18.0
Intersection Capacity Utilization	59.3%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			

HCM Signalized Intersection Capacity Analysis

5: Teagarden St./Wayne Ave. & Marina Blvd.

11/16/2016



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↑↑↑	↗	↖	↑↑↑		↖	↗	↗		↗	↗
Traffic Volume (vph)	226	917	279	198	645	24	282	51	153	32	89	69
Future Volume (vph)	226	917	279	198	645	24	282	51	153	32	89	69
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.0	5.0	5.0	5.0	5.0		4.6	4.6	4.6		4.6	4.6
Lane Util. Factor	1.00	0.91	1.00	1.00	0.91		0.95	0.95	1.00		1.00	1.00
Frpb, ped/bikes	1.00	1.00	0.97	1.00	1.00		1.00	1.00	0.98		1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85		1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	0.97	1.00		0.99	1.00
Satd. Flow (prot)	1736	4988	1503	1736	4953		1649	1677	1516		1803	1553
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	0.97	1.00		0.99	1.00
Satd. Flow (perm)	1736	4988	1503	1736	4953		1649	1677	1516		1803	1553
Peak-hour factor, PHF	0.88	0.88	0.88	0.94	0.94	0.94	0.91	0.91	0.91	0.88	0.88	0.88
Adj. Flow (vph)	257	1042	317	211	686	26	310	56	168	36	101	78
RTOR Reduction (vph)	0	0	212	0	4	0	0	0	132	0	0	70
Lane Group Flow (vph)	257	1042	105	211	708	0	183	183	36	0	137	8
Confl. Peds. (#/hr)			17			9			13			2
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Turn Type	Prot	NA	Perm	Prot	NA		Split	NA	Perm	Split	NA	Prot
Protected Phases	5	2		1	6		8	8		7	7	7
Permitted Phases			2						8			
Actuated Green, G (s)	20.2	33.1	33.1	15.9	28.8		21.6	21.6	21.6		10.2	10.2
Effective Green, g (s)	20.2	33.1	33.1	15.9	28.8		21.6	21.6	21.6		10.2	10.2
Actuated g/C Ratio	0.20	0.33	0.33	0.16	0.29		0.22	0.22	0.22		0.10	0.10
Clearance Time (s)	5.0	5.0	5.0	5.0	5.0		4.6	4.6	4.6		4.6	4.6
Vehicle Extension (s)	4.0	6.0	6.0	4.0	6.0		4.0	4.0	4.0		4.0	4.0
Lane Grp Cap (vph)	350	1651	497	276	1426		356	362	327		183	158
v/s Ratio Prot	c0.15	c0.21		0.12	0.14		c0.11	0.11			c0.08	0.01
v/s Ratio Perm			0.07						0.02			
v/c Ratio	0.73	0.63	0.21	0.76	0.50		0.51	0.51	0.11		0.75	0.05
Uniform Delay, d1	37.4	28.3	24.1	40.3	29.6		34.6	34.5	31.5		43.7	40.5
Progression Factor	1.00	1.00	1.00	0.84	1.16		1.00	1.00	1.00		1.00	1.00
Incremental Delay, d2	8.3	1.8	1.0	12.2	0.7		1.7	1.5	0.2		16.3	0.2
Delay (s)	45.7	30.1	25.0	46.1	35.2		36.2	36.0	31.7		59.9	40.7
Level of Service	D	C	C	D	D		D	D	C		E	D
Approach Delay (s)		31.6			37.7			34.7			53.0	
Approach LOS		C			D			C			D	

Intersection Summary

HCM 2000 Control Delay	35.2	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.66		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	19.2
Intersection Capacity Utilization	63.6%	ICU Level of Service	B
Analysis Period (min)	15		

c Critical Lane Group

Queues

1: Alvarado St. & Aladdin Ave./W.Avenue 137th St.

11/17/2016



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	248	90	7	25	365	591	20	20	440
v/c Ratio	0.72	0.15	0.04	0.16	1.00	0.81	0.03	0.15	0.53
Control Delay	44.7	7.8	36.8	17.9	82.2	33.2	0.1	37.6	15.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	44.7	7.8	36.8	17.9	82.2	33.2	0.1	37.6	15.7
Queue Length 50th (ft)	94	4	3	2	149	181	0	8	44
Queue Length 95th (ft)	#275	36	14	17	#475	#624	0	35	106
Internal Link Dist (ft)		1406		981		1214			691
Turn Bay Length (ft)	225		90		120			120	
Base Capacity (vph)	358	591	250	185	365	855	762	160	1411
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.69	0.15	0.03	0.14	1.00	0.69	0.03	0.13	0.31

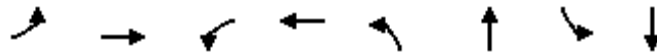
Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Queues

2: Fairway Dr./Aladdin Ave. & Teagarden St.

11/17/2016



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	56	384	10	586	176	108	76	343
v/c Ratio	0.40	0.46	0.07	0.78	0.74	0.19	0.19	0.57
Control Delay	38.2	13.2	28.9	26.4	36.7	13.4	14.5	14.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	38.2	13.2	28.9	26.4	36.7	13.4	14.5	14.9
Queue Length 50th (ft)	19	65	3	169	53	25	19	67
Queue Length 95th (ft)	#60	182	16	#369	#123	53	41	123
Internal Link Dist (ft)		991		1406		374		691
Turn Bay Length (ft)	120		160		150		55	
Base Capacity (vph)	141	893	141	809	392	957	662	927
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.40	0.43	0.07	0.72	0.45	0.11	0.11	0.37

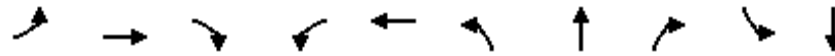
Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Queues

4: Alvarado St. & Marina Blvd

11/17/2016



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	86	440	113	202	681	237	280	283	54	301
v/c Ratio	0.54	0.35	0.18	0.68	0.43	0.55	0.67	0.49	0.19	0.50
Control Delay	34.0	19.9	13.2	50.3	21.6	43.6	41.4	6.7	41.7	31.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	34.0	19.9	13.2	50.3	21.6	43.6	41.4	6.7	41.7	31.5
Queue Length 50th (ft)	20	130	19	112	152	69	157	0	15	71
Queue Length 95th (ft)	m21	190	m99	#240	241	98	203	43	31	94
Internal Link Dist (ft)		1036			874		304			620
Turn Bay Length (ft)	140		140	125		130		130	130	
Base Capacity (vph)	201	1263	620	299	1572	469	456	599	469	856
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.43	0.35	0.18	0.68	0.43	0.51	0.61	0.47	0.12	0.35

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.

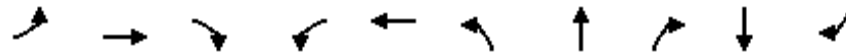
Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Queues

5: Teagarden St./Wayne Ave. & Marina Blvd.

11/17/2016



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBT	SBR
Lane Group Flow (vph)	120	624	311	141	845	132	135	59	144	167
v/c Ratio	0.56	0.33	0.40	0.61	0.43	0.47	0.47	0.16	0.72	0.52
Control Delay	49.6	23.1	5.0	42.9	17.6	39.2	39.2	0.9	61.8	12.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	49.6	23.1	5.0	42.9	17.6	39.2	39.2	0.9	61.8	12.8
Queue Length 50th (ft)	68	93	0	69	132	78	81	0	86	0
Queue Length 95th (ft)	126	154	65	#147	186	112	114	0	119	29
Internal Link Dist (ft)		893			324		461		619	
Turn Bay Length (ft)	130		400	175		120		200		90
Base Capacity (vph)	231	1910	774	242	1952	510	519	562	204	324
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.52	0.33	0.40	0.58	0.43	0.26	0.26	0.10	0.71	0.52

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Queues

1: Alvarado St. & Aladdin Ave./W.Avenue 137th St.

11/17/2016



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	262	242	26	50	145	336	5	8	511
v/c Ratio	0.69	0.33	0.11	0.18	0.45	0.45	0.01	0.04	0.59
Control Delay	41.6	5.8	35.4	13.9	35.5	18.9	0.0	36.1	24.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	41.6	5.8	35.4	13.9	35.5	18.9	0.0	36.1	24.0
Queue Length 50th (ft)	102	3	10	4	55	84	0	3	84
Queue Length 95th (ft)	#281	41	26	14	150	262	0	19	173
Internal Link Dist (ft)		1406		981		1214			691
Turn Bay Length (ft)	225		90		120			120	
Base Capacity (vph)	393	727	273	314	401	979	751	273	1487
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.67	0.33	0.10	0.16	0.36	0.34	0.01	0.03	0.34

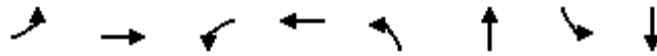
Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Queues

2: Fairway Dr./Aladdin Ave. & Teagarden St.

11/17/2016



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	126	608	2	335	75	133	39	370
v/c Ratio	0.88	0.73	0.01	0.56	0.36	0.23	0.10	0.64
Control Delay	83.6	19.7	27.0	18.0	18.9	12.8	13.0	17.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	83.6	19.7	27.0	18.0	18.9	12.8	13.0	17.8
Queue Length 50th (ft)	34	104	1	69	15	23	7	66
Queue Length 95th (ft)	#160	#422	7	163	50	63	27	161
Internal Link Dist (ft)		991		1406		374		691
Turn Bay Length (ft)	120		160		150		55	
Base Capacity (vph)	143	838	143	823	357	967	656	943
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.88	0.73	0.01	0.41	0.21	0.14	0.06	0.39

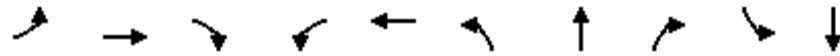
Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Queues

4: Alvarado St. & Marina Blvd

11/17/2016



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	95	873	106	156	550	173	185	276	32	329
v/c Ratio	0.57	0.58	0.15	0.62	0.32	0.45	0.45	0.49	0.13	0.60
Control Delay	71.8	7.0	0.4	51.5	18.6	44.9	37.5	7.1	44.0	34.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	71.8	7.0	0.4	51.5	18.6	44.9	37.5	7.1	44.0	34.9
Queue Length 50th (ft)	65	33	0	93	110	54	109	0	9	81
Queue Length 95th (ft)	m105	51	m1	162	191	85	161	62	24	111
Internal Link Dist (ft)		1036			874		304			620
Turn Bay Length (ft)	140		140	125		130		130	130	
Base Capacity (vph)	201	1493	707	257	1709	471	443	585	480	825
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.47	0.58	0.15	0.61	0.32	0.37	0.42	0.47	0.07	0.40

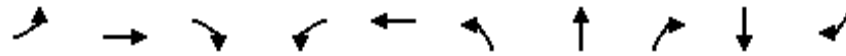
Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.

Queues

5: Teagarden St./Wayne Ave. & Marina Blvd.

11/17/2016



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBT	SBR
Lane Group Flow (vph)	257	1042	317	211	712	183	183	168	137	78
v/c Ratio	0.73	0.63	0.45	0.76	0.50	0.51	0.51	0.37	0.74	0.29
Control Delay	53.5	32.5	5.9	53.4	36.8	37.8	37.4	6.4	68.5	4.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	53.5	32.5	5.9	53.4	36.8	37.8	37.4	6.4	68.5	4.6
Queue Length 50th (ft)	146	206	0	112	170	114	113	0	86	0
Queue Length 95th (ft)	#320	#281	62	#262	210	156	155	45	#172	11
Internal Link Dist (ft)		893			324		461		619	
Turn Bay Length (ft)	130		400	175		120		200		90
Base Capacity (vph)	350	1647	708	277	1428	534	543	604	187	275
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.73	0.63	0.45	0.76	0.50	0.34	0.34	0.28	0.73	0.28

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

***Appendix C – Existing plus Project Conditions Intersections
Level of Service Worksheets***

HCM Signalized Intersection Capacity Analysis

1: Alvarado St. & Aladdin Ave./W.Avenue 137th St.

04/07/2017



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	211	17	64	5	5	15	333	540	18	26	210	190
Future Volume (vph)	211	17	64	5	5	15	333	540	18	26	210	190
Ideal Flow (vphp)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.5	4.5	4.0	4.5	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	0.95	
Frbp, ped/bikes	1.00	1.00		1.00	0.98		1.00	1.00	0.98	1.00	1.00	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frt	1.00	0.88		1.00	0.89		1.00	1.00	0.85	1.00	0.93	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1719	1434		1805	992		1752	1759	1394	1157	3091	
Flt Permitted	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1719	1434		1805	992		1752	1759	1394	1157	3091	
Peak-hour factor, PHF	0.85	0.85	0.85	0.72	0.72	0.72	0.91	0.91	0.91	0.91	0.91	0.91
Adj. Flow (vph)	248	20	75	7	7	21	366	593	20	29	231	209
RTOR Reduction (vph)	0	49	0	0	17	0	0	0	12	0	160	0
Lane Group Flow (vph)	248	46	0	7	11	0	366	593	8	29	280	0
Confl. Peds. (#/hr)						2			2			
Confl. Bikes (#/hr)									1			
Heavy Vehicles (%)	5%	46%	9%	0%	43%	75%	3%	8%	13%	56%	8%	9%
Turn Type	Prot	NA		Prot	NA		Prot	NA	Perm	Prot	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases									8			
Actuated Green, G (s)	14.9	28.0		1.4	14.5		15.5	30.8	30.8	3.4	18.7	
Effective Green, g (s)	14.9	28.0		1.4	14.5		15.5	30.8	30.8	3.4	18.7	
Actuated g/C Ratio	0.19	0.35		0.02	0.18		0.19	0.38	0.38	0.04	0.23	
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.5	4.5	4.0	4.5	
Vehicle Extension (s)	5.0	5.0		5.0	5.0		5.0	5.0	5.0	5.0	5.0	
Lane Grp Cap (vph)	319	501		31	179		339	676	536	49	721	
v/s Ratio Prot	c0.14	c0.03		0.00	0.01		c0.21	c0.34		0.03	0.09	
v/s Ratio Perm									0.01			
v/c Ratio	0.78	0.09		0.23	0.06		1.08	0.88	0.01	0.59	0.39	
Uniform Delay, d1	31.0	17.5		38.8	27.2		32.3	22.9	15.3	37.7	25.9	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	13.1	0.2		7.6	0.3		71.8	13.3	0.0	25.7	0.7	
Delay (s)	44.1	17.7		46.4	27.5		104.1	36.2	15.3	63.4	26.6	
Level of Service	D	B		D	C		F	D	B	E	C	
Approach Delay (s)		36.8			31.3			61.1			28.9	
Approach LOS		D			C			E			C	

Intersection Summary

HCM 2000 Control Delay	47.7	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.76		
Actuated Cycle Length (s)	80.1	Sum of lost time (s)	16.5
Intersection Capacity Utilization	60.5%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			

HCM Signalized Intersection Capacity Analysis

2: Fairway Dr./Aladdin Ave. & Teagarden St.

04/07/2017



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗		↖	↗		↖	↗		↖	↗	
Traffic Volume (vph)	47	251	72	8	447	47	165	95	7	68	147	148
Future Volume (vph)	47	251	72	8	447	47	165	95	7	68	147	148
Ideal Flow (vphp)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.5		4.0	4.5		4.5	4.5		4.5	4.5	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frbp, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00		1.00	0.99	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frt	1.00	0.97		1.00	0.99		1.00	0.99		1.00	0.92	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1736	1757		1736	1797		1736	1807		1734	1672	
Flt Permitted	0.95	1.00		0.95	1.00		0.41	1.00		0.69	1.00	
Satd. Flow (perm)	1736	1757		1736	1797		741	1807		1255	1672	
Peak-hour factor, PHF	0.84	0.84	0.84	0.84	0.84	0.84	0.94	0.94	0.94	0.86	0.86	0.86
Adj. Flow (vph)	56	299	86	10	532	56	176	101	7	79	171	172
RTOR Reduction (vph)	0	13	0	0	5	0	0	4	0	0	65	0
Lane Group Flow (vph)	56	372	0	10	583	0	176	104	0	79	278	0
Confl. Peds. (#/hr)									1	1		
Confl. Bikes (#/hr)			1			2						1
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Turn Type	Prot	NA		Prot	NA		Perm	NA		Perm	NA	
Protected Phases	5	2		1	6		8	8		4	4	
Permitted Phases							8			4		
Actuated Green, G (s)	2.1	24.6		0.6	23.1		16.7	16.7		16.7	16.7	
Effective Green, g (s)	2.1	24.6		0.6	23.1		16.7	16.7		16.7	16.7	
Actuated g/C Ratio	0.04	0.45		0.01	0.42		0.30	0.30		0.30	0.30	
Clearance Time (s)	4.0	4.5		4.0	4.5		4.5	4.5		4.5	4.5	
Vehicle Extension (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Lane Grp Cap (vph)	66	787		18	756		225	549		381	508	
v/s Ratio Prot	c0.03	0.21		0.01	c0.32			0.06			0.17	
v/s Ratio Perm							c0.24			0.06		
v/c Ratio	0.85	0.47		0.56	0.77		0.78	0.19		0.21	0.55	
Uniform Delay, d1	26.2	10.6		27.0	13.6		17.4	14.1		14.2	15.9	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2	62.0	0.6		38.7	5.2		17.0	0.2		0.4	1.5	
Delay (s)	88.3	11.2		65.8	18.8		34.4	14.3		14.6	17.5	
Level of Service	F	B		E	B		C	B		B	B	
Approach Delay (s)		21.0			19.6			26.8			16.9	
Approach LOS		C			B			C			B	

Intersection Summary

HCM 2000 Control Delay	20.5	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.78		
Actuated Cycle Length (s)	54.9	Sum of lost time (s)	13.0
Intersection Capacity Utilization	70.2%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			

HCM Unsignalized Intersection Capacity Analysis

3: Montague Ave. & Alvarado St.

04/07/2017



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕		↕	↕		↕	↕	
Traffic Volume (veh/h)	12	1	15	4	2	16	85	647	26	33	416	19
Future Volume (Veh/h)	12	1	15	4	2	16	85	647	26	33	416	19
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.78	0.78	0.78	0.69	0.69	0.69	0.84	0.84	0.84	0.88	0.88	0.88
Hourly flow rate (vph)	15	1	19	6	3	23	101	770	31	38	473	22
Pedestrians		3			3			1			1	
Lane Width (ft)		12.0			12.0			12.0			12.0	
Walking Speed (ft/s)		4.0			4.0			4.0			4.0	
Percent Blockage		0			0			0			0	
Right turn flare (veh)												
Median type								None			None	
Median storage (veh)												
Upstream signal (ft)								771			1271	
pX, platoon unblocked	0.74	0.74	0.92	0.74	0.74	0.70	0.92			0.70		
vC, conflicting volume	1560	1569	488	1560	1564	790	498			804		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	1351	1362	405	1350	1356	485	416			505		
tC, single (s)	7.1	6.5	6.2	7.1	6.5	6.2	4.1			4.1		
tC, 2 stage (s)												
tF (s)	3.5	4.0	3.3	3.5	4.0	3.3	2.2			2.2		
p0 queue free %	80	99	97	92	97	94	90			95		
cM capacity (veh/h)	77	93	595	80	94	406	1054			739		
Direction, Lane #	EB 1	WB 1	NB 1	NB 2	SB 1	SB 2						
Volume Total	35	32	101	801	38	495						
Volume Left	15	6	101	0	38	0						
Volume Right	19	23	0	31	0	22						
cSH	147	196	1054	1700	739	1700						
Volume to Capacity	0.24	0.16	0.10	0.47	0.05	0.29						
Queue Length 95th (ft)	22	14	8	0	4	0						
Control Delay (s)	37.1	27.0	8.8	0.0	10.1	0.0						
Lane LOS	E	D	A		B							
Approach Delay (s)	37.1	27.0	1.0		0.7							
Approach LOS	E	D										
Intersection Summary												
Average Delay			2.3									
Intersection Capacity Utilization			52.7%		ICU Level of Service				A			
Analysis Period (min)			15									

HCM Signalized Intersection Capacity Analysis

4: Alvarado St. & Marina Blvd

04/07/2017



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗	↘	↖	↗		↖	↗	↘	↖	↗	↘
Traffic Volume (vph)	77	396	106	195	622	25	199	232	236	46	188	69
Future Volume (vph)	77	396	106	195	622	25	199	232	236	46	188	69
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	5.0	5.0	4.0	5.0		4.0	5.0	5.0	4.0	4.6	
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95		0.97	1.00	1.00	0.97	0.95	
Frpb, ped/bikes	1.00	1.00	0.99	1.00	1.00		1.00	1.00	0.98	1.00	0.99	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frt	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85	1.00	0.96	
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1736	3539	1531	1770	3515		3367	1827	1551	3433	3313	
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1736	3539	1531	1770	3515		3367	1827	1551	3433	3313	
Peak-hour factor, PHF	0.90	0.90	0.90	0.95	0.95	0.95	0.83	0.83	0.83	0.85	0.85	0.85
Adj. Flow (vph)	86	440	118	205	655	26	240	280	284	54	221	81
RTOR Reduction (vph)	0	0	78	0	2	0	0	0	218	0	43	0
Lane Group Flow (vph)	86	440	40	205	679	0	240	280	66	54	259	0
Confl. Peds. (#/hr)			1			3			5			4
Confl. Bikes (#/hr)			2						2			3
Heavy Vehicles (%)	4%	2%	4%	2%	2%	2%	4%	4%	2%	2%	4%	4%
Turn Type	Prot	NA	Perm	Prot	NA		Prot	NA	Perm	Prot	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases			2						8			
Actuated Green, G (s)	7.7	32.4	32.4	15.9	40.6		12.3	22.1	22.1	6.6	16.8	
Effective Green, g (s)	7.7	32.4	32.4	15.9	40.6		12.3	22.1	22.1	6.6	16.8	
Actuated g/C Ratio	0.08	0.34	0.34	0.17	0.43		0.13	0.23	0.23	0.07	0.18	
Clearance Time (s)	4.0	5.0	5.0	4.0	5.0		4.0	5.0	5.0	4.0	4.6	
Vehicle Extension (s)	2.0	6.0	6.0	4.0	6.0		4.0	4.0	4.0	4.0	4.0	
Lane Grp Cap (vph)	140	1206	522	296	1502		435	425	360	238	585	
v/s Ratio Prot	0.05	0.12		c0.12	c0.19		c0.07	c0.15		0.02	0.08	
v/s Ratio Perm			0.03						0.04			
v/c Ratio	0.61	0.36	0.08	0.69	0.45		0.55	0.66	0.18	0.23	0.44	
Uniform Delay, d1	42.2	23.6	21.2	37.2	19.3		38.8	33.0	29.2	41.8	34.9	
Progression Factor	0.53	0.78	2.41	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	5.3	0.8	0.3	7.4	0.6		1.9	4.1	0.3	0.7	0.7	
Delay (s)	27.7	19.2	51.4	44.6	19.9		40.6	37.1	29.6	42.5	35.7	
Level of Service	C	B	D	D	B		D	D	C	D	D	
Approach Delay (s)		26.2			25.6			35.5			36.7	
Approach LOS		C			C			D			D	

Intersection Summary

HCM 2000 Control Delay	30.2	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.60		
Actuated Cycle Length (s)	95.0	Sum of lost time (s)	18.0
Intersection Capacity Utilization	64.0%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			

HCM Signalized Intersection Capacity Analysis

5: Teagarden St./Wayne Ave. & Marina Blvd.

04/07/2017



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↘	↑↑↑	↗	↘	↑↑↑		↘	↗	↗		↗	↗
Traffic Volume (vph)	108	566	283	130	753	27	213	42	56	26	79	122
Future Volume (vph)	108	566	283	130	753	27	213	42	56	26	79	122
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.0	5.0	5.0	5.0	5.0		4.6	4.6	4.6		4.6	4.6
Lane Util. Factor	1.00	0.91	1.00	1.00	0.91		0.95	0.95	1.00		1.00	1.00
Frpb, ped/bikes	1.00	1.00	0.98	1.00	1.00		1.00	1.00	0.98		1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85		1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	0.97	1.00		0.99	1.00
Satd. Flow (prot)	1736	4988	1523	1736	4957		1649	1679	1521		1804	1553
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	0.97	1.00		0.99	1.00
Satd. Flow (perm)	1736	4988	1523	1736	4957		1649	1679	1521		1804	1553
Peak-hour factor, PHF	0.90	0.90	0.90	0.92	0.92	0.92	0.95	0.95	0.95	0.73	0.73	0.73
Adj. Flow (vph)	120	629	314	141	818	29	224	44	59	36	108	167
RTOR Reduction (vph)	0	0	194	0	3	0	0	0	49	0	0	148
Lane Group Flow (vph)	120	629	120	141	844	0	132	136	10	0	144	19
Confl. Peds. (#/hr)			6			5			10			1
Confl. Bikes (#/hr)			1									
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Turn Type	Prot	NA	Perm	Prot	NA		Split	NA	Perm	Split	NA	Prot
Protected Phases	5	2		1	6		8	8		7	7	7
Permitted Phases			2						8			
Actuated Green, G (s)	11.7	36.3	36.3	12.7	37.3		16.2	16.2	16.2		10.6	10.6
Effective Green, g (s)	11.7	36.3	36.3	12.7	37.3		16.2	16.2	16.2		10.6	10.6
Actuated g/C Ratio	0.12	0.38	0.38	0.13	0.39		0.17	0.17	0.17		0.11	0.11
Clearance Time (s)	5.0	5.0	5.0	5.0	5.0		4.6	4.6	4.6		4.6	4.6
Vehicle Extension (s)	4.0	6.0	6.0	4.0	6.0		4.0	4.0	4.0		4.0	4.0
Lane Grp Cap (vph)	213	1905	581	232	1946		281	286	259		201	173
v/s Ratio Prot	0.07	0.13		c0.08	c0.17		0.08	c0.08			c0.08	0.01
v/s Ratio Perm			0.08						0.01			
v/c Ratio	0.56	0.33	0.21	0.61	0.43		0.47	0.48	0.04		0.72	0.11
Uniform Delay, d1	39.2	20.8	19.7	38.8	21.1		35.5	35.6	32.9		40.7	37.9
Progression Factor	1.00	1.00	1.00	0.81	0.73		1.00	1.00	1.00		1.00	1.00
Incremental Delay, d2	4.1	0.5	0.8	4.7	0.4		1.7	1.7	0.1		12.3	0.4
Delay (s)	43.3	21.2	20.5	36.3	15.7		37.2	37.3	33.0		53.0	38.3
Level of Service	D	C	C	D	B		D	D	C		D	D
Approach Delay (s)		23.5			18.7			36.5			45.1	
Approach LOS		C			B			D			D	

Intersection Summary		
HCM 2000 Control Delay	25.8	HCM 2000 Level of Service
HCM 2000 Volume to Capacity ratio	0.52	C
Actuated Cycle Length (s)	95.0	Sum of lost time (s)
Intersection Capacity Utilization	57.6%	19.2
Analysis Period (min)	15	ICU Level of Service
		B
c Critical Lane Group		

HCM Signalized Intersection Capacity Analysis

9: Teagarden St. & Montague Ave.

04/07/2017



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	←	→	→	→	←	→
Traffic Volume (vph)	0	0	0	0	0	0
Future Volume (vph)	0	0	0	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)						
Lane Util. Factor						
Frt						
Flt Protected						
Satd. Flow (prot)						
Flt Permitted						
Satd. Flow (perm)						
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	0	0	0	0	0
RTOR Reduction (vph)	0	0	0	0	0	0
Lane Group Flow (vph)	0	0	0	0	0	0
Turn Type	Prot					
Protected Phases	8		2			6
Permitted Phases					6	
Actuated Green, G (s)						
Effective Green, g (s)						
Actuated g/C Ratio						
Clearance Time (s)						
Lane Grp Cap (vph)						
v/s Ratio Prot						
v/s Ratio Perm						
v/c Ratio						
Uniform Delay, d1						
Progression Factor						
Incremental Delay, d2						
Delay (s)						
Level of Service						
Approach Delay (s)	0.0		0.0			0.0
Approach LOS	A		A			A
Intersection Summary						
HCM 2000 Control Delay			0.0		HCM 2000 Level of Service	A
HCM 2000 Volume to Capacity ratio			0.00			
Actuated Cycle Length (s)			40.0		Sum of lost time (s)	8.0
Intersection Capacity Utilization			0.0%		ICU Level of Service	A
Analysis Period (min)			15			
c Critical Lane Group						

Queues

1: Alvarado St. & Aladdin Ave./W.Avenue 137th St.

04/07/2017



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	248	95	7	28	366	593	20	29	440
v/c Ratio	0.72	0.16	0.04	0.17	1.01	0.81	0.03	0.21	0.53
Control Delay	44.8	8.3	36.8	17.9	83.3	33.6	0.1	38.5	15.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	44.8	8.3	36.8	17.9	83.3	33.6	0.1	38.5	15.7
Queue Length 50th (ft)	94	5	3	3	150	183	0	11	44
Queue Length 95th (ft)	#275	39	14	18	#476	#625	0	45	106
Internal Link Dist (ft)		1406		981		1214			691
Turn Bay Length (ft)	225		90		120			120	
Base Capacity (vph)	357	588	250	187	364	854	761	160	1409
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.69	0.16	0.03	0.15	1.01	0.69	0.03	0.18	0.31

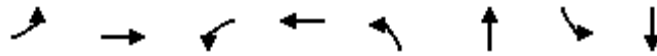
Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Queues

2: Fairway Dr./Aladdin Ave. & Teagarden St.

04/07/2017



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	56	385	10	588	176	108	79	343
v/c Ratio	0.40	0.46	0.07	0.78	0.74	0.19	0.20	0.57
Control Delay	38.3	13.2	28.9	26.5	36.8	13.4	14.6	14.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	38.3	13.2	28.9	26.5	36.8	13.4	14.6	14.9
Queue Length 50th (ft)	19	65	3	170	53	25	19	67
Queue Length 95th (ft)	#60	183	16	#370	#123	53	43	123
Internal Link Dist (ft)		991		1406		374		691
Turn Bay Length (ft)	120		160		150		55	
Base Capacity (vph)	140	890	140	806	390	954	660	925
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.40	0.43	0.07	0.73	0.45	0.11	0.12	0.37

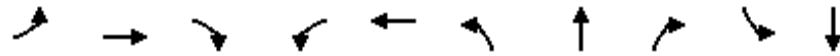
Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Queues

4: Alvarado St. & Marina Blvd

04/07/2017



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	86	440	118	205	681	240	280	284	54	302
v/c Ratio	0.54	0.36	0.19	0.69	0.43	0.55	0.66	0.49	0.19	0.50
Control Delay	33.9	20.1	13.3	51.1	21.8	43.7	41.0	6.6	41.7	31.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	33.9	20.1	13.3	51.1	21.8	43.7	41.0	6.6	41.7	31.5
Queue Length 50th (ft)	20	131	21	114	152	70	157	0	15	72
Queue Length 95th (ft)	m21	191	m102	#245	241	99	203	43	31	95
Internal Link Dist (ft)		1036			874		304			620
Turn Bay Length (ft)	140		140	125		130		130	130	
Base Capacity (vph)	201	1258	620	298	1566	469	459	602	469	855
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.43	0.35	0.19	0.69	0.43	0.51	0.61	0.47	0.12	0.35

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.

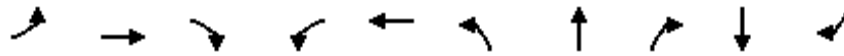
Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Queues

5: Teagarden St./Wayne Ave. & Marina Blvd.

04/07/2017



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBT	SBR
Lane Group Flow (vph)	120	629	314	141	847	132	136	59	144	167
v/c Ratio	0.56	0.33	0.40	0.61	0.43	0.47	0.48	0.16	0.72	0.52
Control Delay	49.6	23.1	5.0	42.8	17.3	39.1	39.2	0.9	62.0	12.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	49.6	23.1	5.0	42.8	17.3	39.1	39.2	0.9	62.0	12.9
Queue Length 50th (ft)	68	94	0	69	132	78	81	0	86	0
Queue Length 95th (ft)	126	156	64	#149	186	112	115	0	119	29
Internal Link Dist (ft)		893			324		461		619	
Turn Bay Length (ft)	130		400	175		120		200		90
Base Capacity (vph)	231	1909	776	242	1951	510	519	562	204	323
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.52	0.33	0.40	0.58	0.43	0.26	0.26	0.10	0.71	0.52

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Queues

9: Teagarden St. & Montague Ave.

04/07/2017

Lane Group

Lane Group Flow (vph)

v/c Ratio

Control Delay

Queue Delay

Total Delay

Queue Length 50th (ft)

Queue Length 95th (ft)

Internal Link Dist (ft)

Turn Bay Length (ft)

Base Capacity (vph)

Starvation Cap Reductn

Spillback Cap Reductn

Storage Cap Reductn

Reduced v/c Ratio

Intersection Summary

HCM Signalized Intersection Capacity Analysis

1: Alvarado St. & Aladdin Ave./W.Avenue 137th St.

04/07/2017



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗		↖	↗		↖	↗	↗	↖	↗	↗
Traffic Volume (vph)	212	10	188	16	9	28	137	315	5	9	320	134
Future Volume (vph)	212	10	188	16	9	28	137	315	5	9	320	134
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.5	4.5	4.0	4.5	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	0.95	
Frpb, ped/bikes	1.00	1.00		1.00	0.98		1.00	1.00	0.98	1.00	0.99	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frt	1.00	0.86		1.00	0.89		1.00	1.00	0.85	1.00	0.96	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1736	1561		1805	1551		1770	1827	1260	1805	3179	
Flt Permitted	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1736	1561		1805	1551		1770	1827	1260	1805	3179	
Peak-hour factor, PHF	0.81	0.81	0.81	0.58	0.58	0.58	0.92	0.92	0.92	0.89	0.89	0.89
Adj. Flow (vph)	262	12	232	28	16	48	149	342	5	10	360	151
RTOR Reduction (vph)	0	152	0	0	39	0	0	0	3	0	60	0
Lane Group Flow (vph)	262	92	0	28	25	0	149	342	2	10	451	0
Confl. Peds. (#/hr)							1			1		3
Confl. Bikes (#/hr)									3			3
Heavy Vehicles (%)	4%	30%	3%	0%	13%	5%	2%	4%	25%	0%	7%	9%
Turn Type	Prot	NA		Prot	NA		Prot	NA	Perm	Prot	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases									8			
Actuated Green, G (s)	15.5	26.4		3.2	14.1		10.0	29.0	29.0	1.3	20.3	
Effective Green, g (s)	15.5	26.4		3.2	14.1		10.0	29.0	29.0	1.3	20.3	
Actuated g/C Ratio	0.20	0.35		0.04	0.18		0.13	0.38	0.38	0.02	0.27	
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.5	4.5	4.0	4.5	
Vehicle Extension (s)	5.0	5.0		5.0	5.0		5.0	5.0	5.0	5.0	5.0	
Lane Grp Cap (vph)	352	539		75	286		231	693	478	30	844	
v/s Ratio Prot	c0.15	c0.06		0.02	0.02		c0.08	c0.19		0.01	0.14	
v/s Ratio Perm									0.00			
v/c Ratio	0.74	0.17		0.37	0.09		0.65	0.49	0.00	0.33	0.53	
Uniform Delay, d1	28.6	17.4		35.6	25.8		31.5	18.1	14.7	37.1	24.0	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	9.9	0.3		6.4	0.3		8.2	1.2	0.0	13.2	1.2	
Delay (s)	38.5	17.7		42.1	26.1		39.7	19.3	14.7	50.3	25.2	
Level of Service	D	B		D	C		D	B	B	D	C	
Approach Delay (s)		28.5			30.9			25.3			25.7	
Approach LOS		C			C			C			C	

Intersection Summary

HCM 2000 Control Delay	26.7	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.53		
Actuated Cycle Length (s)	76.4	Sum of lost time (s)	16.5
Intersection Capacity Utilization	50.3%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			

HCM Signalized Intersection Capacity Analysis

2: Fairway Dr./Aladdin Ave. & Teagarden St.

04/07/2017



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗		↖	↗		↖	↗		↖	↗	
Traffic Volume (vph)	116	356	204	2	238	61	65	103	13	35	195	130
Future Volume (vph)	116	356	204	2	238	61	65	103	13	35	195	130
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.5		4.0	4.5		4.5	4.5		4.5	4.5	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frbp, ped/bikes	1.00	0.99		1.00	0.99		1.00	1.00		1.00	0.99	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frt	1.00	0.95		1.00	0.97		1.00	0.98		1.00	0.94	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1736	1712		1736	1762		1735	1791		1730	1702	
Flt Permitted	0.95	1.00		0.95	1.00		0.36	1.00		0.67	1.00	
Satd. Flow (perm)	1736	1712		1736	1762		663	1791		1223	1702	
Peak-hour factor, PHF	0.92	0.92	0.92	0.87	0.87	0.87	0.87	0.87	0.87	0.88	0.88	0.88
Adj. Flow (vph)	126	387	222	2	274	70	75	118	15	40	222	148
RTOR Reduction (vph)	0	26	0	0	13	0	0	8	0	0	44	0
Lane Group Flow (vph)	126	583	0	2	331	0	75	125	0	40	326	0
Confl. Peds. (#/hr)			3			2	1		4	4		1
Confl. Bikes (#/hr)			1			4						
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Turn Type	Prot	NA		Prot	NA		Perm	NA		Perm	NA	
Protected Phases	5	2		1	6			8				4
Permitted Phases							8			4		
Actuated Green, G (s)	4.1	23.9		0.6	20.4		15.8	15.8		15.8	15.8	
Effective Green, g (s)	4.1	23.9		0.6	20.4		15.8	15.8		15.8	15.8	
Actuated g/C Ratio	0.08	0.45		0.01	0.38		0.30	0.30		0.30	0.30	
Clearance Time (s)	4.0	4.5		4.0	4.5		4.5	4.5		4.5	4.5	
Vehicle Extension (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Lane Grp Cap (vph)	133	767		19	674		196	530		362	504	
v/s Ratio Prot	c0.07	c0.34		0.00	0.19			0.07				c0.19
v/s Ratio Perm							0.11			0.03		
v/c Ratio	0.95	0.76		0.11	0.49		0.38	0.24		0.11	0.65	
Uniform Delay, d1	24.5	12.3		26.1	12.5		14.9	14.2		13.6	16.3	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2	61.8	4.6		3.3	0.8		1.7	0.3		0.2	3.2	
Delay (s)	86.3	16.9		29.4	13.3		16.6	14.5		13.8	19.5	
Level of Service	F	B		C	B		B	B		B	B	
Approach Delay (s)		28.8			13.4			15.2			19.0	
Approach LOS		C			B			B			B	

Intersection Summary			
HCM 2000 Control Delay	21.6	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.75		
Actuated Cycle Length (s)	53.3	Sum of lost time (s)	13.0
Intersection Capacity Utilization	72.5%	ICU Level of Service	C
Analysis Period (min)	15		
c	Critical Lane Group		

HCM Unsignalized Intersection Capacity Analysis

3: Montague Ave. & Alvarado St.

04/07/2017



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕		↗	↘		↗	↘	
Traffic Volume (veh/h)	29	0	23	10	2	21	28	523	4	8	428	23
Future Volume (Veh/h)	29	0	23	10	2	21	28	523	4	8	428	23
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.68	0.68	0.68	0.64	0.64	0.64	0.92	0.92	0.92	0.89	0.89	0.89
Hourly flow rate (vph)	43	0	34	16	3	33	30	568	4	9	481	26
Pedestrians		3			2							1
Lane Width (ft)		12.0			12.0							12.0
Walking Speed (ft/s)		4.0			4.0							4.0
Percent Blockage		0			0							0
Right turn flare (veh)												
Median type								None				None
Median storage veh												
Upstream signal (ft)								771				1271
pX, platoon unblocked	0.93	0.93	0.91	0.93	0.93	0.88	0.91			0.88		
vC, conflicting volume	1178	1149	497	1165	1160	573	510			574		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	929	897	394	914	909	449	409			450		
tC, single (s)	7.1	6.5	6.2	7.1	6.5	6.2	4.1			4.1		
tC, 2 stage (s)												
tF (s)	3.5	4.0	3.3	3.5	4.0	3.3	2.2			2.2		
p0 queue free %	79	100	94	93	99	94	97			99		
cM capacity (veh/h)	207	249	592	215	245	537	1041			978		
Direction, Lane #	EB 1	WB 1	NB 1	NB 2	SB 1	SB 2						
Volume Total	77	52	30	572	9	507						
Volume Left	43	16	30	0	9	0						
Volume Right	34	33	0	4	0	26						
cSH	290	351	1041	1700	978	1700						
Volume to Capacity	0.27	0.15	0.03	0.34	0.01	0.30						
Queue Length 95th (ft)	26	13	2	0	1	0						
Control Delay (s)	21.8	17.0	8.6	0.0	8.7	0.0						
Lane LOS	C	C	A		A							
Approach Delay (s)	21.8	17.0	0.4		0.2							
Approach LOS	C	C										
Intersection Summary												
Average Delay			2.3									
Intersection Capacity Utilization			39.8%		ICU Level of Service				A			
Analysis Period (min)			15									

HCM Signalized Intersection Capacity Analysis

4: Alvarado St. & Marina Blvd

04/07/2017



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗	↘	↖	↗		↖	↗	↘	↖	↗	↘
Traffic Volume (vph)	88	812	100	149	500	23	170	174	263	28	194	92
Future Volume (vph)	88	812	100	149	500	23	170	174	263	28	194	92
Ideal Flow (vphp)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	5.0	5.0	4.0	5.0		4.0	5.0	5.0	4.0	4.6	
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95		0.97	1.00	1.00	0.97	0.95	
Frpb, ped/bikes	1.00	1.00	0.98	1.00	1.00		1.00	1.00	0.98	1.00	0.99	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frt	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85	1.00	0.95	
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1736	3539	1527	1770	3511		3367	1827	1551	3433	3285	
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1736	3539	1527	1770	3511		3367	1827	1551	3433	3285	
Peak-hour factor, PHF	0.93	0.93	0.93	0.95	0.95	0.95	0.94	0.94	0.94	0.87	0.87	0.87
Adj. Flow (vph)	95	873	108	157	526	24	181	185	280	32	223	106
RTOR Reduction (vph)	0	0	64	0	3	0	0	0	217	0	62	0
Lane Group Flow (vph)	95	873	44	157	547	0	181	185	63	32	267	0
Confl. Peds. (#/hr)			4			5			4			1
Confl. Bikes (#/hr)						1			3			3
Heavy Vehicles (%)	4%	2%	4%	2%	2%	2%	4%	4%	2%	2%	4%	4%
Turn Type	Prot	NA	Perm	Prot	NA		Prot	NA	Perm	Prot	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases			2						8			
Actuated Green, G (s)	8.6	40.5	40.5	14.2	46.1		11.5	22.6	22.6	4.7	16.2	
Effective Green, g (s)	8.6	40.5	40.5	14.2	46.1		11.5	22.6	22.6	4.7	16.2	
Actuated g/C Ratio	0.09	0.40	0.40	0.14	0.46		0.12	0.23	0.23	0.05	0.16	
Clearance Time (s)	4.0	5.0	5.0	4.0	5.0		4.0	5.0	5.0	4.0	4.6	
Vehicle Extension (s)	2.0	6.0	6.0	4.0	6.0		4.0	4.0	4.0	4.0	4.0	
Lane Grp Cap (vph)	149	1433	618	251	1618		387	412	350	161	532	
v/s Ratio Prot	0.05	c0.25		c0.09	0.16		c0.05	c0.10		0.01	0.08	
v/s Ratio Perm			0.03						0.04			
v/c Ratio	0.64	0.61	0.07	0.63	0.34		0.47	0.45	0.18	0.20	0.50	
Uniform Delay, d1	44.2	23.5	18.2	40.4	17.2		41.4	33.3	31.2	45.8	38.2	
Progression Factor	1.44	0.23	0.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	5.2	1.6	0.2	5.4	0.4		1.2	1.1	0.3	0.8	1.0	
Delay (s)	68.8	7.0	0.2	45.8	17.6		42.6	34.4	31.6	46.7	39.2	
Level of Service	E	A	A	D	B		D	C	C	D	D	
Approach Delay (s)		11.8			23.8			35.5			39.9	
Approach LOS		B			C			D			D	

Intersection Summary

HCM 2000 Control Delay	24.0	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.57		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	18.0
Intersection Capacity Utilization	59.3%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			

HCM Signalized Intersection Capacity Analysis

5: Teagarden St./Wayne Ave. & Marina Blvd.

04/07/2017



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↑↑↑	↗	↖	↑↑↑		↖	↑	↗		↖	↗
Traffic Volume (vph)	226	918	280	198	651	25	287	51	153	32	89	69
Future Volume (vph)	226	918	280	198	651	25	287	51	153	32	89	69
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.0	5.0	5.0	5.0	5.0		4.6	4.6	4.6		4.6	4.6
Lane Util. Factor	1.00	0.91	1.00	1.00	0.91		0.95	0.95	1.00		1.00	1.00
Frpb, ped/bikes	1.00	1.00	0.97	1.00	1.00		1.00	1.00	0.98		1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85		1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	0.97	1.00		0.99	1.00
Satd. Flow (prot)	1736	4988	1503	1736	4952		1649	1677	1516		1803	1553
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	0.97	1.00		0.99	1.00
Satd. Flow (perm)	1736	4988	1503	1736	4952		1649	1677	1516		1803	1553
Peak-hour factor, PHF	0.88	0.88	0.88	0.94	0.94	0.94	0.91	0.91	0.91	0.88	0.88	0.88
Adj. Flow (vph)	257	1043	318	211	693	27	315	56	168	36	101	78
RTOR Reduction (vph)	0	0	213	0	4	0	0	0	132	0	0	70
Lane Group Flow (vph)	257	1043	105	211	716	0	183	188	36	0	137	8
Confl. Peds. (#/hr)			17			9			13			2
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Turn Type	Prot	NA	Perm	Prot	NA		Split	NA	Perm	Split	NA	Prot
Protected Phases	5	2		1	6		8	8		7	7	7
Permitted Phases			2						8			
Actuated Green, G (s)	20.2	33.0	33.0	15.9	28.7		21.7	21.7	21.7		10.2	10.2
Effective Green, g (s)	20.2	33.0	33.0	15.9	28.7		21.7	21.7	21.7		10.2	10.2
Actuated g/C Ratio	0.20	0.33	0.33	0.16	0.29		0.22	0.22	0.22		0.10	0.10
Clearance Time (s)	5.0	5.0	5.0	5.0	5.0		4.6	4.6	4.6		4.6	4.6
Vehicle Extension (s)	4.0	6.0	6.0	4.0	6.0		4.0	4.0	4.0		4.0	4.0
Lane Grp Cap (vph)	350	1646	495	276	1421		357	363	328		183	158
v/s Ratio Prot	c0.15	c0.21		0.12	0.14		0.11	c0.11			c0.08	0.01
v/s Ratio Perm			0.07						0.02			
v/c Ratio	0.73	0.63	0.21	0.76	0.50		0.51	0.52	0.11		0.75	0.05
Uniform Delay, d1	37.4	28.4	24.1	40.3	29.7		34.5	34.5	31.4		43.7	40.5
Progression Factor	1.00	1.00	1.00	0.84	1.16		1.00	1.00	1.00		1.00	1.00
Incremental Delay, d2	8.3	1.9	1.0	12.2	0.8		1.7	1.7	0.2		16.3	0.2
Delay (s)	45.7	30.2	25.1	46.0	35.3		36.1	36.2	31.6		59.9	40.7
Level of Service	D	C	C	D	D		D	D	C		E	D
Approach Delay (s)		31.7			37.7			34.8			53.0	
Approach LOS		C			D			C			D	

Intersection Summary

HCM 2000 Control Delay	35.3	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.66		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	19.2
Intersection Capacity Utilization	63.7%	ICU Level of Service	B
Analysis Period (min)	15		

c Critical Lane Group

HCM Signalized Intersection Capacity Analysis
 9: Teagarden St. & Montague Ave.

04/07/2017



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	↶		↷			↷
Traffic Volume (vph)	0	0	0	0	0	0
Future Volume (vph)	0	0	0	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)						
Lane Util. Factor						
Frt						
Flt Protected						
Satd. Flow (prot)						
Flt Permitted						
Satd. Flow (perm)						
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	0	0	0	0	0
RTOR Reduction (vph)	0	0	0	0	0	0
Lane Group Flow (vph)	0	0	0	0	0	0
Turn Type	Prot					
Protected Phases	8		2			6
Permitted Phases					6	
Actuated Green, G (s)						
Effective Green, g (s)						
Actuated g/C Ratio						
Clearance Time (s)						
Lane Grp Cap (vph)						
v/s Ratio Prot						
v/s Ratio Perm						
v/c Ratio						
Uniform Delay, d1						
Progression Factor						
Incremental Delay, d2						
Delay (s)						
Level of Service						
Approach Delay (s)	0.0		0.0			0.0
Approach LOS	A		A			A

Intersection Summary			
HCM 2000 Control Delay	0.0	HCM 2000 Level of Service	A
HCM 2000 Volume to Capacity ratio	0.00		
Actuated Cycle Length (s)	40.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	0.0%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			

Queues

1: Alvarado St. & Aladdin Ave./W.Avenue 137th St.

04/07/2017



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	262	244	28	64	149	342	5	10	511
v/c Ratio	0.69	0.34	0.12	0.23	0.46	0.46	0.01	0.05	0.59
Control Delay	41.9	5.9	35.6	14.5	35.8	19.2	0.0	36.0	24.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	41.9	5.9	35.6	14.5	35.8	19.2	0.0	36.0	24.1
Queue Length 50th (ft)	103	3	11	6	57	87	0	4	85
Queue Length 95th (ft)	#281	42	27	17	154	270	0	22	173
Internal Link Dist (ft)		1406		981		1214			691
Turn Bay Length (ft)	225		90		120			120	
Base Capacity (vph)	392	727	271	322	399	977	750	271	1482
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.67	0.34	0.10	0.20	0.37	0.35	0.01	0.04	0.34

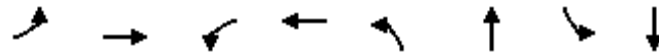
Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Queues

2: Fairway Dr./Aladdin Ave. & Teagarden St.

04/07/2017



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	126	609	2	344	75	133	40	370
v/c Ratio	0.89	0.72	0.01	0.57	0.36	0.23	0.10	0.64
Control Delay	84.3	19.7	27.0	18.2	19.1	12.9	13.1	17.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	84.3	19.7	27.0	18.2	19.1	12.9	13.1	17.8
Queue Length 50th (ft)	34	105	1	71	15	23	7	67
Queue Length 95th (ft)	#160	#423	7	168	50	63	27	161
Internal Link Dist (ft)		991		1406		374		691
Turn Bay Length (ft)	120		160		150		55	
Base Capacity (vph)	142	840	142	819	355	964	654	940
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.89	0.72	0.01	0.42	0.21	0.14	0.06	0.39

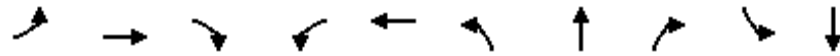
Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Queues

4: Alvarado St. & Marina Blvd

04/07/2017



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	95	873	108	157	550	181	185	280	32	329
v/c Ratio	0.57	0.59	0.15	0.62	0.32	0.47	0.45	0.49	0.13	0.60
Control Delay	71.8	7.0	0.4	51.5	18.7	45.1	37.3	7.1	44.0	34.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	71.8	7.0	0.4	51.5	18.7	45.1	37.3	7.1	44.0	34.9
Queue Length 50th (ft)	65	33	0	94	111	56	109	0	9	81
Queue Length 95th (ft)	m105	51	m1	163	191	88	161	62	24	111
Internal Link Dist (ft)		1036			874		304			620
Turn Bay Length (ft)	140		140	125		130		130	130	
Base Capacity (vph)	201	1486	704	258	1703	471	443	588	480	825
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.47	0.59	0.15	0.61	0.32	0.38	0.42	0.48	0.07	0.40

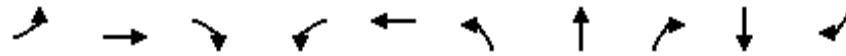
Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.

Queues

5: Teagarden St./Wayne Ave. & Marina Blvd.

04/07/2017



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBT	SBR
Lane Group Flow (vph)	257	1043	318	211	720	183	188	168	137	78
v/c Ratio	0.73	0.63	0.45	0.76	0.51	0.51	0.52	0.37	0.74	0.29
Control Delay	53.5	32.6	5.9	53.4	36.9	37.7	37.8	6.4	68.5	4.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	53.5	32.6	5.9	53.4	36.9	37.7	37.8	6.4	68.5	4.6
Queue Length 50th (ft)	146	206	0	114	172	113	116	0	86	0
Queue Length 95th (ft)	#320	#281	62	#257	212	156	160	45	#172	11
Internal Link Dist (ft)		893			324		461		619	
Turn Bay Length (ft)	130		400	175		120		200		90
Base Capacity (vph)	350	1643	708	277	1423	534	543	604	187	275
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.73	0.63	0.45	0.76	0.51	0.34	0.35	0.28	0.73	0.28

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Queues

9: Teagarden St. & Montague Ave.

04/07/2017

Lane Group

Lane Group Flow (vph)

v/c Ratio

Control Delay

Queue Delay

Total Delay

Queue Length 50th (ft)

Queue Length 95th (ft)

Internal Link Dist (ft)

Turn Bay Length (ft)

Base Capacity (vph)

Starvation Cap Reductn

Spillback Cap Reductn

Storage Cap Reductn

Reduced v/c Ratio

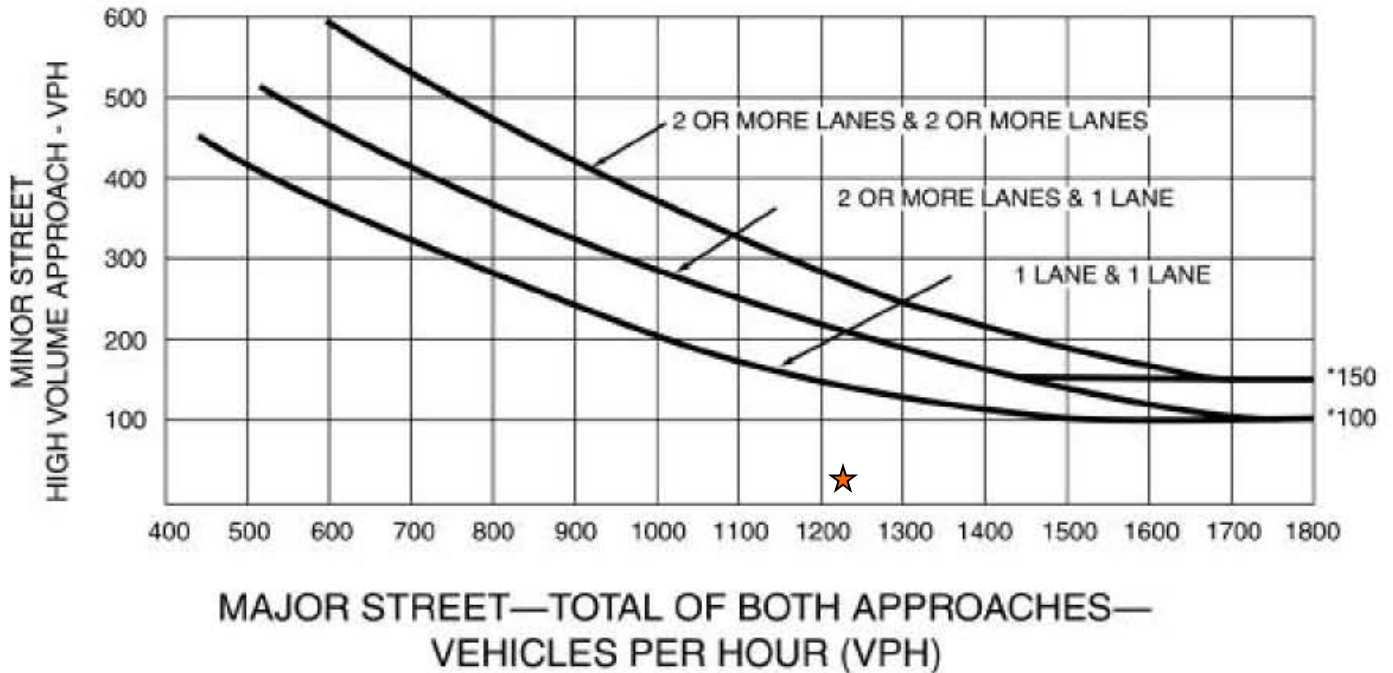
Intersection Summary

Peak Hour Warrant (Urban Areas)

Intersection #3: Alvarado Street and Montague Avenue
Scenario: Existing plus Project Conditions

Figure 4C-3. Warrant 3, Peak Hour

Minor Street Volume = 28 VPH



*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.

Major Street Volume = 1226 VPH

★ AM peak hour

A signal is not warranted

***Appendix D – Cumulative (Year 2035) Conditions Intersections
Level of Service Worksheets***

HCM Signalized Intersection Capacity Analysis

1: Alvarado St. & Aladdin Ave./W.Avenue 137th St.

11/17/2016



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	250	11	80	1	7	12	563	819	8	16	226	223
Future Volume (vph)	250	11	80	1	7	12	563	819	8	16	226	223
Ideal Flow (vphp)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.5	4.5	4.0	4.5	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	0.95	
Frbp, ped/bikes	1.00	1.00		1.00	0.98		1.00	1.00	0.97	1.00	1.00	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frt	1.00	0.87		1.00	0.91		1.00	1.00	0.85	1.00	0.93	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1719	1454		1805	1042		1752	1759	1392	1157	3080	
Flt Permitted	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1719	1454		1805	1042		1752	1759	1392	1157	3080	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	272	12	87	1	8	13	612	890	9	17	246	242
RTOR Reduction (vph)	0	62	0	0	12	0	0	0	4	0	128	0
Lane Group Flow (vph)	272	37	0	1	9	0	612	890	5	17	360	0
Confl. Peds. (#/hr)							2		2			
Confl. Bikes (#/hr)									1			
Heavy Vehicles (%)	5%	46%	9%	0%	43%	75%	3%	8%	13%	56%	8%	9%
Turn Type	Prot	NA		Prot	NA		Prot	NA	Perm	Prot	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases									8			
Actuated Green, G (s)	23.5	36.8		1.4	14.7		49.0	70.0	70.0	2.9	23.9	
Effective Green, g (s)	23.5	36.8		1.4	14.7		49.0	70.0	70.0	2.9	23.9	
Actuated g/C Ratio	0.18	0.29		0.01	0.12		0.38	0.55	0.55	0.02	0.19	
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.5	4.5	4.0	4.5	
Vehicle Extension (s)	5.0	5.0		5.0	5.0		5.0	5.0	5.0	5.0	5.0	
Lane Grp Cap (vph)	316	419		19	120		672	964	763	26	576	
v/s Ratio Prot	c0.16	c0.03		0.00	0.01		c0.35	c0.51		0.01	0.12	
v/s Ratio Perm									0.00			
v/c Ratio	0.86	0.09		0.05	0.08		0.91	0.92	0.01	0.65	0.63	
Uniform Delay, d1	50.5	33.2		62.4	50.4		37.2	26.3	13.0	61.9	47.7	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	22.2	0.2		2.4	0.6		17.4	14.5	0.0	58.8	3.0	
Delay (s)	72.6	33.3		64.9	51.0		54.6	40.9	13.1	120.7	50.7	
Level of Service	E	C		E	D		D	D	B	F	D	
Approach Delay (s)		62.1			51.6			46.3			53.1	
Approach LOS		E			D			D			D	

Intersection Summary

HCM 2000 Control Delay	50.2	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.82		
Actuated Cycle Length (s)	127.6	Sum of lost time (s)	16.5
Intersection Capacity Utilization	77.4%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			

HCM Signalized Intersection Capacity Analysis

2: Fairway Dr./Aladdin Ave. & Teagarden St.

11/17/2016



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	43	284	65	13	805	40	149	111	11	75	152	216
Future Volume (vph)	43	284	65	13	805	40	149	111	11	75	152	216
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.5		4.0	4.5		4.5	4.5		4.5	4.5	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frbp, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00		1.00	0.99	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frt	1.00	0.97		1.00	0.99		1.00	0.99		1.00	0.91	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1736	1769		1736	1812		1736	1799		1733	1645	
Flt Permitted	0.95	1.00		0.95	1.00		0.27	1.00		0.65	1.00	
Satd. Flow (perm)	1736	1769		1736	1812		500	1799		1187	1645	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	47	309	71	14	875	43	162	121	12	82	165	235
RTOR Reduction (vph)	0	8	0	0	2	0	0	3	0	0	51	0
Lane Group Flow (vph)	47	372	0	14	916	0	162	130	0	82	349	0
Confl. Peds. (#/hr)									1	1		
Confl. Bikes (#/hr)			1			2						1
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Turn Type	Prot	NA		Prot	NA		Perm	NA		Perm	NA	
Protected Phases	5	2		1	6			8			4	
Permitted Phases							8			4		
Actuated Green, G (s)	3.1	54.2		1.6	52.7		31.6	31.6		31.6	31.6	
Effective Green, g (s)	3.1	54.2		1.6	52.7		31.6	31.6		31.6	31.6	
Actuated g/C Ratio	0.03	0.54		0.02	0.52		0.31	0.31		0.31	0.31	
Clearance Time (s)	4.0	4.5		4.0	4.5		4.5	4.5		4.5	4.5	
Vehicle Extension (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Lane Grp Cap (vph)	53	954		27	951		157	566		373	517	
v/s Ratio Prot	c0.03	0.21		0.01	c0.51			0.07			0.21	
v/s Ratio Perm							c0.32			0.07		
v/c Ratio	0.89	0.39		0.52	0.96		1.03	0.23		0.22	0.67	
Uniform Delay, d1	48.5	13.5		49.0	22.9		34.4	25.4		25.3	29.9	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2	83.7	0.4		20.6	20.8		80.5	0.3		0.4	3.8	
Delay (s)	132.2	13.8		69.6	43.7		114.9	25.7		25.7	33.7	
Level of Service	F	B		E	D		F	C		C	C	
Approach Delay (s)		26.9			44.1			74.7			32.3	
Approach LOS		C			D			E			C	

Intersection Summary

HCM 2000 Control Delay	42.2	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.98		
Actuated Cycle Length (s)	100.4	Sum of lost time (s)	13.0
Intersection Capacity Utilization	85.5%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			

HCM Unsignalized Intersection Capacity Analysis

3: Montague Ave. & Alvarado St.

11/17/2016



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕		↕	↕		↕	↕	
Traffic Volume (veh/h)	12	1	15	4	2	16	85	1081	26	33	446	19
Future Volume (Veh/h)	12	1	15	4	2	16	85	1081	26	33	446	19
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	13	1	16	4	2	17	92	1175	28	36	485	21
Pedestrians		3			3			1			1	
Lane Width (ft)		12.0			12.0			12.0			12.0	
Walking Speed (ft/s)		4.0			4.0			4.0			4.0	
Percent Blockage		0			0			0			0	
Right turn flare (veh)												
Median type								None			None	
Median storage (veh)												
Upstream signal (ft)								771			1271	
pX, platoon unblocked	0.55	0.55	0.95	0.55	0.55	0.52	0.95			0.52		
vC, conflicting volume	1948	1960	500	1950	1957	1193	509			1206		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	2095	2117	441	2099	2111	907	451			933		
tC, single (s)	7.1	6.5	6.2	7.1	6.5	6.2	4.1			4.1		
tC, 2 stage (s)												
tF (s)	3.5	4.0	3.3	3.5	4.0	3.3	2.2			2.2		
p0 queue free %	14	96	97	76	91	90	91			91		
cM capacity (veh/h)	15	23	580	17	23	172	1046			379		
Direction, Lane #	EB 1	WB 1	NB 1	NB 2	SB 1	SB 2						
Volume Total	30	23	92	1203	36	506						
Volume Left	13	4	92	0	36	0						
Volume Right	16	17	0	28	0	21						
cSH	32	54	1046	1700	379	1700						
Volume to Capacity	0.93	0.43	0.09	0.71	0.09	0.30						
Queue Length 95th (ft)	81	39	7	0	8	0						
Control Delay (s)	319.5	113.9	8.8	0.0	15.5	0.0						
Lane LOS	F	F	A		C							
Approach Delay (s)	319.5	113.9	0.6		1.0							
Approach LOS	F	F										
Intersection Summary												
Average Delay			7.2									
Intersection Capacity Utilization			75.5%		ICU Level of Service					D		
Analysis Period (min)			15									

HCM Signalized Intersection Capacity Analysis

4: Alvarado St. & Marina Blvd

11/17/2016



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗	↘	↖	↗		↖	↗	↘	↖	↗	↘
Traffic Volume (vph)	64	604	151	106	779	14	287	256	247	23	189	57
Future Volume (vph)	64	604	151	106	779	14	287	256	247	23	189	57
Ideal Flow (vphp)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	5.0	5.0	4.0	5.0		4.0	5.0	5.0	4.0	4.6	
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95		0.97	1.00	1.00	0.97	0.95	
Frbp, ped/bikes	1.00	1.00	0.99	1.00	1.00		1.00	1.00	0.98	1.00	1.00	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frt	1.00	1.00	0.85	1.00	1.00		1.00	1.00	0.85	1.00	0.97	
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1736	3539	1531	1770	3528		3367	1827	1554	3433	3335	
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1736	3539	1531	1770	3528		3367	1827	1554	3433	3335	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	70	657	164	115	847	15	312	278	268	25	205	62
RTOR Reduction (vph)	0	0	111	0	1	0	0	0	187	0	38	0
Lane Group Flow (vph)	70	657	53	115	861	0	312	278	81	25	229	0
Confl. Peds. (#/hr)			1			3			5			4
Confl. Bikes (#/hr)			2						2			3
Heavy Vehicles (%)	4%	2%	4%	2%	2%	2%	4%	4%	2%	2%	4%	4%
Turn Type	Prot	NA	Perm	Prot	NA		Prot	NA	Perm	Prot	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases			2						8			
Actuated Green, G (s)	5.8	26.0	26.0	10.1	30.3		10.4	24.3	24.3	1.6	15.9	
Effective Green, g (s)	5.8	26.0	26.0	10.1	30.3		10.4	24.3	24.3	1.6	15.9	
Actuated g/C Ratio	0.07	0.32	0.32	0.13	0.38		0.13	0.30	0.30	0.02	0.20	
Clearance Time (s)	4.0	5.0	5.0	4.0	5.0		4.0	5.0	5.0	4.0	4.6	
Vehicle Extension (s)	2.0	6.0	6.0	4.0	6.0		4.0	4.0	4.0	4.0	4.0	
Lane Grp Cap (vph)	125	1150	497	223	1336		437	554	472	68	662	
v/s Ratio Prot	0.04	0.19		c0.06	c0.24		c0.09	c0.15		0.01	0.07	
v/s Ratio Perm			0.03						0.05			
v/c Ratio	0.56	0.57	0.11	0.52	0.64		0.71	0.50	0.17	0.37	0.35	
Uniform Delay, d1	35.9	22.4	18.9	32.7	20.4		33.4	22.9	20.5	38.7	27.6	
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	3.4	2.1	0.4	2.7	1.8		5.8	1.0	0.2	4.5	0.4	
Delay (s)	39.3	24.4	19.3	35.3	22.2		39.2	23.9	20.7	43.2	28.0	
Level of Service	D	C	B	D	C		D	C	C	D	C	
Approach Delay (s)		24.7			23.7			28.5			29.3	
Approach LOS		C			C			C			C	

Intersection Summary

HCM 2000 Control Delay	25.9	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.64		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	18.0
Intersection Capacity Utilization	60.1%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			

HCM Signalized Intersection Capacity Analysis
 5: Teagarden St./Wayne Ave. & Marina Blvd.

11/17/2016



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↑↑↑	↗	↖	↑↑↑		↖	↖	↗		↖	↗
Traffic Volume (vph)	124	769	410	127	1037	34	200	32	72	21	83	155
Future Volume (vph)	124	769	410	127	1037	34	200	32	72	21	83	155
Ideal Flow (vphp)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.0	5.0	5.0	5.0	5.0		4.6	4.6	4.6		4.6	4.6
Lane Util. Factor	1.00	0.91	1.00	1.00	0.91		0.95	0.95	1.00		1.00	1.00
Frpb, ped/bikes	1.00	1.00	0.98	1.00	1.00		1.00	1.00	0.98		1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00		1.00	1.00	0.85		1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	0.97	1.00		0.99	1.00
Satd. Flow (prot)	1736	4988	1524	1736	4959		1649	1675	1522		1809	1553
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	0.97	1.00		0.99	1.00
Satd. Flow (perm)	1736	4988	1524	1736	4959		1649	1675	1522		1809	1553
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	135	836	446	138	1127	37	217	35	78	23	90	168
RTOR Reduction (vph)	0	0	289	0	4	0	0	0	64	0	0	160
Lane Group Flow (vph)	135	836	157	138	1160	0	126	126	14	0	113	8
Confl. Peds. (#/hr)			6			5			10			1
Confl. Bikes (#/hr)			1									
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Turn Type	Prot	NA	Perm	Prot	NA		Split	NA	Perm	Split	NA	Prot
Protected Phases	5	2		1	6		8	8		7	7	7
Permitted Phases			2						8			
Actuated Green, G (s)	12.5	30.0	30.0	16.0	33.5		15.8	15.8	15.8		4.0	4.0
Effective Green, g (s)	12.5	30.0	30.0	16.0	33.5		15.8	15.8	15.8		4.0	4.0
Actuated g/C Ratio	0.15	0.35	0.35	0.19	0.39		0.19	0.19	0.19		0.05	0.05
Clearance Time (s)	5.0	5.0	5.0	5.0	5.0		4.6	4.6	4.6		4.6	4.6
Vehicle Extension (s)	4.0	6.0	6.0	4.0	6.0		4.0	4.0	4.0		4.0	4.0
Lane Grp Cap (vph)	255	1760	537	326	1954		306	311	282		85	73
v/s Ratio Prot	c0.08	0.17		0.08	c0.23		c0.08	0.08			c0.06	0.01
v/s Ratio Perm			0.10						0.01			
v/c Ratio	0.53	0.47	0.29	0.42	0.59		0.41	0.41	0.05		1.33	0.11
Uniform Delay, d1	33.5	21.4	19.8	30.4	20.4		30.5	30.5	28.4		40.5	38.8
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00
Incremental Delay, d2	2.6	0.9	1.4	1.2	0.9		1.2	1.2	0.1		208.9	0.9
Delay (s)	36.1	22.3	21.2	31.6	21.3		31.7	31.6	28.5		249.4	39.7
Level of Service	D	C	C	C	C		C	C	C		F	D
Approach Delay (s)		23.3			22.4			30.9			124.0	
Approach LOS		C			C			C			F	

Intersection Summary		
HCM 2000 Control Delay	32.2	HCM 2000 Level of Service
HCM 2000 Volume to Capacity ratio	0.58	C
Actuated Cycle Length (s)	85.0	Sum of lost time (s)
Intersection Capacity Utilization	56.9%	19.2
Analysis Period (min)	15	ICU Level of Service
		B
c Critical Lane Group		

HCM Signalized Intersection Capacity Analysis
 1: Alvarado St. & Aladdin Ave./W.Avenue 137th St.

11/17/2016



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗		↖	↗		↖	↑	↗	↖	↗	
Traffic Volume (vph)	244	10	492	9	8	19	140	313	8	6	526	164
Future Volume (vph)	244	10	492	9	8	19	140	313	8	6	526	164
Ideal Flow (vphp)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.5	4.5	4.0	4.5	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	0.95	
Frpb, ped/bikes	1.00	1.00		1.00	0.98		1.00	1.00	0.98	1.00	0.99	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frt	1.00	0.85		1.00	0.90		1.00	1.00	0.85	1.00	0.96	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1736	1565		1805	1560		1770	1827	1260	1805	3218	
Flt Permitted	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1736	1565		1805	1560		1770	1827	1260	1805	3218	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	265	11	535	10	9	21	152	340	9	7	572	178
RTOR Reduction (vph)	0	180	0	0	17	0	0	0	5	0	31	0
Lane Group Flow (vph)	265	366	0	10	13	0	152	340	4	7	719	0
Confl. Peds. (#/hr)							1			1		3
Confl. Bikes (#/hr)										3		3
Heavy Vehicles (%)	4%	30%	3%	0%	13%	5%	2%	4%	25%	0%	7%	9%
Turn Type	Prot	NA		Prot	NA		Prot	NA	Perm	Prot	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases									8			
Actuated Green, G (s)	15.2	28.9		0.6	14.3		8.1	32.6	32.6	0.6	25.1	
Effective Green, g (s)	15.2	28.9		0.6	14.3		8.1	32.6	32.6	0.6	25.1	
Actuated g/C Ratio	0.19	0.36		0.01	0.18		0.10	0.41	0.41	0.01	0.32	
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.5	4.5	4.0	4.5	
Vehicle Extension (s)	5.0	5.0		5.0	5.0		5.0	5.0	5.0	5.0	5.0	
Lane Grp Cap (vph)	333	571		13	281		181	752	518	13	1019	
v/s Ratio Prot	c0.15	c0.23		0.01	0.01		c0.09	0.19		0.00	c0.22	
v/s Ratio Perm									0.00			
v/c Ratio	0.80	0.64		0.77	0.05		0.84	0.45	0.01	0.54	0.71	
Uniform Delay, d1	30.5	20.8		39.2	26.8		34.9	16.8	13.7	39.2	23.8	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	14.1	3.3		143.4	0.1		30.0	0.9	0.0	61.1	2.8	
Delay (s)	44.6	24.2		182.7	27.0		64.9	17.7	13.8	100.3	26.6	
Level of Service	D	C		F	C		E	B	B	F	C	
Approach Delay (s)		30.9			65.9			32.0			27.3	
Approach LOS		C			E			C			C	

Intersection Summary

HCM 2000 Control Delay	30.5	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.76		
Actuated Cycle Length (s)	79.2	Sum of lost time (s)	16.5
Intersection Capacity Utilization	69.0%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			

HCM Signalized Intersection Capacity Analysis

2: Fairway Dr./Aladdin Ave. & Teagarden St.

11/17/2016



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	117	862	208	3	399	64	69	101	19	67	204	155
Future Volume (vph)	117	862	208	3	399	64	69	101	19	67	204	155
Ideal Flow (vphp)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.5		4.0	4.5		4.5	4.5		4.5	4.5	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frbp, ped/bikes	1.00	0.99		1.00	1.00		1.00	1.00		1.00	0.99	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00		0.99	1.00	
Frt	1.00	0.97		1.00	0.98		1.00	0.98		1.00	0.94	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1736	1764		1736	1782		1734	1774		1721	1693	
Flt Permitted	0.95	1.00		0.95	1.00		0.17	1.00		0.61	1.00	
Satd. Flow (perm)	1736	1764		1736	1782		312	1774		1097	1693	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	127	937	226	3	434	70	75	110	21	73	222	168
RTOR Reduction (vph)	0	6	0	0	4	0	0	5	0	0	19	0
Lane Group Flow (vph)	127	1157	0	3	500	0	75	126	0	73	371	0
Confl. Peds. (#/hr)			3			2	1		4	4		1
Confl. Bikes (#/hr)			1			4						
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Turn Type	Prot	NA		Prot	NA		Perm	NA		Perm	NA	
Protected Phases	5	2		1	6			8				4
Permitted Phases							8			4		
Actuated Green, G (s)	15.1	88.1		0.8	73.8		34.9	34.9		34.9	34.9	
Effective Green, g (s)	15.1	88.1		0.8	73.8		34.9	34.9		34.9	34.9	
Actuated g/C Ratio	0.11	0.64		0.01	0.54		0.26	0.26		0.26	0.26	
Clearance Time (s)	4.0	4.5		4.0	4.5		4.5	4.5		4.5	4.5	
Vehicle Extension (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Lane Grp Cap (vph)	191	1136		10	961		79	452		279	431	
v/s Ratio Prot	c0.07	c0.66		0.00	0.28			0.07				0.22
v/s Ratio Perm							c0.24			0.07		
v/c Ratio	0.66	1.02		0.30	0.52		0.95	0.28		0.26	0.86	
Uniform Delay, d1	58.4	24.4		67.7	20.2		50.1	40.9		40.7	48.6	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2	9.2	31.4		21.7	0.7		83.7	0.5		0.7	16.1	
Delay (s)	67.7	55.8		89.4	20.8		133.8	41.3		41.4	64.7	
Level of Service	E	E		F	C		F	D		D	E	
Approach Delay (s)		56.9			21.2			75.0			61.1	
Approach LOS		E			C			E			E	

Intersection Summary			
HCM 2000 Control Delay	51.9	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	1.00		
Actuated Cycle Length (s)	136.8	Sum of lost time (s)	13.0
Intersection Capacity Utilization	101.2%	ICU Level of Service	G
Analysis Period (min)	15		
c Critical Lane Group			

HCM Unsignalized Intersection Capacity Analysis

3: Montague Ave. & Alvarado St.

11/17/2016



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕		↗	↘		↗	↘	
Traffic Volume (veh/h)	35	0	28	12	2	25	34	569	5	10	630	28
Future Volume (Veh/h)	35	0	28	12	2	25	34	569	5	10	630	28
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	1.00	0.92	0.92	0.92
Hourly flow rate (vph)	38	0	30	13	2	27	37	618	5	11	685	30
Pedestrians		3			2							1
Lane Width (ft)		12.0			12.0						12.0	
Walking Speed (ft/s)		4.0			4.0						4.0	
Percent Blockage		0			0						0	
Right turn flare (veh)												
Median type								None			None	
Median storage veh												
Upstream signal (ft)								771			1271	
pX, platoon unblocked	0.91	0.91	0.94	0.91	0.91	0.88	0.94			0.88		
vC, conflicting volume	1446	1424	703	1434	1436	624	718			625		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	1290	1266	651	1276	1279	502	667			504		
tC, single (s)	7.1	6.5	6.2	7.1	6.5	6.2	4.1			4.1		
tC, 2 stage (s)												
tF (s)	3.5	4.0	3.3	3.5	4.0	3.3	2.2			2.2		
p0 queue free %	67	100	93	89	99	95	96			99		
cM capacity (veh/h)	114	145	439	116	142	499	864			930		
Direction, Lane #	EB 1	WB 1	NB 1	NB 2	SB 1	SB 2						
Volume Total	68	42	37	623	11	715						
Volume Left	38	13	37	0	11	0						
Volume Right	30	27	0	5	0	30						
cSH	169	233	864	1700	930	1700						
Volume to Capacity	0.40	0.18	0.04	0.37	0.01	0.42						
Queue Length 95th (ft)	44	16	3	0	1	0						
Control Delay (s)	39.9	23.8	9.4	0.0	8.9	0.0						
Lane LOS	E	C	A		A							
Approach Delay (s)	39.9	23.8	0.5		0.1							
Approach LOS	E	C										
Intersection Summary												
Average Delay			2.8									
Intersection Capacity Utilization			48.0%		ICU Level of Service				A			
Analysis Period (min)			15									

HCM Signalized Intersection Capacity Analysis

4: Alvarado St. & Marina Blvd

11/17/2016



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↑↑	↗	↖	↑↑		↖↗	↑	↗	↖↗	↑↑	
Traffic Volume (vph)	80	840	159	195	618	31	154	157	211	31	186	74
Future Volume (vph)	80	840	159	195	618	31	154	157	211	31	186	74
Ideal Flow (vphp)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	5.0	5.0	4.0	5.0		4.0	5.0	5.0	4.0	4.6	
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95		0.97	1.00	1.00	0.97	0.95	
Frpb, ped/bikes	1.00	1.00	0.98	1.00	1.00		1.00	1.00	0.98	1.00	1.00	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frt	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85	1.00	0.96	
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1736	3539	1529	1770	3509		3367	1827	1553	3433	3308	
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1736	3539	1529	1770	3509		3367	1827	1553	3433	3308	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	87	913	173	212	672	34	167	171	229	34	202	80
RTOR Reduction (vph)	0	0	105	0	4	0	0	0	177	0	59	0
Lane Group Flow (vph)	87	913	68	212	702	0	167	171	52	34	223	0
Confl. Peds. (#/hr)			4			5			4			1
Confl. Bikes (#/hr)						1			3			3
Heavy Vehicles (%)	4%	2%	4%	2%	2%	2%	4%	4%	2%	2%	4%	4%
Turn Type	Prot	NA	Perm	Prot	NA		Prot	NA	Perm	Prot	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases			2						8			
Actuated Green, G (s)	6.8	26.6	26.6	15.0	34.8		5.1	18.0	18.0	2.4	15.7	
Effective Green, g (s)	6.8	26.6	26.6	15.0	34.8		5.1	18.0	18.0	2.4	15.7	
Actuated g/C Ratio	0.08	0.33	0.33	0.19	0.43		0.06	0.22	0.22	0.03	0.20	
Clearance Time (s)	4.0	5.0	5.0	4.0	5.0		4.0	5.0	5.0	4.0	4.6	
Vehicle Extension (s)	2.0	6.0	6.0	4.0	6.0		4.0	4.0	4.0	4.0	4.0	
Lane Grp Cap (vph)	147	1176	508	331	1526		214	411	349	102	649	
v/s Ratio Prot	0.05	c0.26		c0.12	0.20		c0.05	c0.09		0.01	0.07	
v/s Ratio Perm			0.04						0.03			
v/c Ratio	0.59	0.78	0.13	0.64	0.46		0.78	0.42	0.15	0.33	0.34	
Uniform Delay, d1	35.3	24.0	18.6	30.0	16.0		36.9	26.5	24.9	38.0	27.7	
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	4.2	5.1	0.5	4.7	0.6		17.6	0.9	0.3	2.6	0.4	
Delay (s)	39.5	29.1	19.2	34.7	16.6		54.5	27.4	25.1	40.6	28.1	
Level of Service	D	C	B	C	B		D	C	C	D	C	
Approach Delay (s)		28.4			20.8			34.5			29.5	
Approach LOS		C			C			C			C	

Intersection Summary

HCM 2000 Control Delay	27.3	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.66		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	18.0
Intersection Capacity Utilization	61.9%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			

HCM Signalized Intersection Capacity Analysis
 5: Teagarden St./Wayne Ave. & Marina Blvd.

11/17/2016



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↑↑↑	↗	↖	↑↑↑		↖	↖	↗		↖	↗
Traffic Volume (vph)	193	1006	258	151	748	30	365	23	103	27	49	72
Future Volume (vph)	193	1006	258	151	748	30	365	23	103	27	49	72
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.0	5.0	5.0	5.0	5.0		4.6	4.6	4.6		4.6	4.6
Lane Util. Factor	1.00	0.91	1.00	1.00	0.91		0.95	0.95	1.00		1.00	1.00
Frpb, ped/bikes	1.00	1.00	0.97	1.00	1.00		1.00	1.00	0.98		1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85		1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	0.96	1.00		0.98	1.00
Satd. Flow (prot)	1736	4988	1508	1736	4951		1649	1662	1518		1795	1553
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	0.96	1.00		0.98	1.00
Satd. Flow (perm)	1736	4988	1508	1736	4951		1649	1662	1518		1795	1553
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	210	1093	280	164	813	33	397	25	112	29	53	78
RTOR Reduction (vph)	0	0	197	0	5	0	0	0	87	0	0	74
Lane Group Flow (vph)	210	1093	83	164	841	0	210	212	25	0	82	4
Confl. Peds. (#/hr)			17			9			13			2
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Turn Type	Prot	NA	Perm	Prot	NA		Split	NA	Perm	Split	NA	Prot
Protected Phases	5	2		1	6		8	8		7	7	7
Permitted Phases			2						8			
Actuated Green, G (s)	19.5	25.3	25.3	17.3	23.1		19.2	19.2	19.2		4.0	4.0
Effective Green, g (s)	19.5	25.3	25.3	17.3	23.1		19.2	19.2	19.2		4.0	4.0
Actuated g/C Ratio	0.23	0.30	0.30	0.20	0.27		0.23	0.23	0.23		0.05	0.05
Clearance Time (s)	5.0	5.0	5.0	5.0	5.0		4.6	4.6	4.6		4.6	4.6
Vehicle Extension (s)	4.0	6.0	6.0	4.0	6.0		4.0	4.0	4.0		4.0	4.0
Lane Grp Cap (vph)	398	1484	448	353	1345		372	375	342		84	73
v/s Ratio Prot	c0.12	c0.22		0.09	0.17		0.13	c0.13			c0.05	0.00
v/s Ratio Perm			0.06						0.02			
v/c Ratio	0.53	0.74	0.19	0.46	0.63		0.56	0.57	0.07		0.98	0.05
Uniform Delay, d1	28.7	26.9	22.2	29.8	27.2		29.2	29.2	25.9		40.5	38.7
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00
Incremental Delay, d2	1.6	3.3	0.9	1.3	1.6		2.4	2.4	0.1		89.8	0.4
Delay (s)	30.4	30.2	23.1	31.1	28.7		31.6	31.6	26.0		130.2	39.1
Level of Service	C	C	C	C	C		C	C	C		F	D
Approach Delay (s)		28.9			29.1			30.4			85.8	
Approach LOS		C			C			C			F	

Intersection Summary		
HCM 2000 Control Delay	32.0	HCM 2000 Level of Service
HCM 2000 Volume to Capacity ratio	0.66	C
Actuated Cycle Length (s)	85.0	Sum of lost time (s)
Intersection Capacity Utilization	62.0%	19.2
Analysis Period (min)	15	ICU Level of Service
		B

c Critical Lane Group

***Appendix E – Cumulative (2035) plus Project Conditions
Intersections
Level of Service Worksheets***

HCM Signalized Intersection Capacity Analysis

1: Alvarado St. & Aladdin Ave./W.Avenue 137th St.

04/07/2017



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗		↖	↗		↖	↑	↗	↖	↗	
Traffic Volume (vph)	250	15	80	1	8	13	564	821	8	24	226	223
Future Volume (vph)	250	15	80	1	8	13	564	821	8	24	226	223
Ideal Flow (vphp)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.5	4.5	4.0	4.5	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	0.95	
Frbp, ped/bikes	1.00	1.00		1.00	0.98		1.00	1.00	0.97	1.00	1.00	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frt	1.00	0.87		1.00	0.91		1.00	1.00	0.85	1.00	0.93	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1719	1446		1805	1047		1752	1759	1391	1157	3080	
Flt Permitted	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1719	1446		1805	1047		1752	1759	1391	1157	3080	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	272	16	87	1	9	14	613	892	9	26	246	242
RTOR Reduction (vph)	0	62	0	0	12	0	0	0	4	0	127	0
Lane Group Flow (vph)	272	41	0	1	11	0	613	892	5	26	361	0
Confl. Peds. (#/hr)						2			2			
Confl. Bikes (#/hr)									1			
Heavy Vehicles (%)	5%	46%	9%	0%	43%	75%	3%	8%	13%	56%	8%	9%
Turn Type	Prot	NA		Prot	NA		Prot	NA	Perm	Prot	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases									8			
Actuated Green, G (s)	23.5	36.9		1.4	14.8		49.1	68.8	68.8	4.5	24.2	
Effective Green, g (s)	23.5	36.9		1.4	14.8		49.1	68.8	68.8	4.5	24.2	
Actuated g/C Ratio	0.18	0.29		0.01	0.12		0.38	0.54	0.54	0.04	0.19	
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.5	4.5	4.0	4.5	
Vehicle Extension (s)	5.0	5.0		5.0	5.0		5.0	5.0	5.0	5.0	5.0	
Lane Grp Cap (vph)	315	416		19	120		671	944	747	40	581	
v/s Ratio Prot	c0.16	c0.03		0.00	0.01		c0.35	c0.51		0.02	0.12	
v/s Ratio Perm									0.00			
v/c Ratio	0.86	0.10		0.05	0.09		0.91	0.94	0.01	0.65	0.62	
Uniform Delay, d1	50.7	33.4		62.7	50.6		37.5	27.9	13.8	61.0	47.7	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	22.5	0.2		2.4	0.7		17.7	17.9	0.0	41.1	2.9	
Delay (s)	73.3	33.6		65.1	51.3		55.2	45.7	13.8	102.1	50.6	
Level of Service	E	C		E	D		E	D	B	F	D	
Approach Delay (s)		62.4			51.9			49.4			53.2	
Approach LOS		E			D			D			D	

Intersection Summary

HCM 2000 Control Delay	52.2	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.83		
Actuated Cycle Length (s)	128.1	Sum of lost time (s)	16.5
Intersection Capacity Utilization	77.5%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			

HCM Signalized Intersection Capacity Analysis

2: Fairway Dr./Aladdin Ave. & Teagarden St.

04/07/2017



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗		↖	↗		↖	↗		↖	↗	
Traffic Volume (vph)	43	285	65	13	806	41	149	111	11	78	152	216
Future Volume (vph)	43	285	65	13	806	41	149	111	11	78	152	216
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.5		4.0	4.5		4.5	4.5		4.5	4.5	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frbp, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00		1.00	0.99	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frt	1.00	0.97		1.00	0.99		1.00	0.99		1.00	0.91	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1736	1769		1736	1812		1736	1799		1733	1645	
Flt Permitted	0.95	1.00		0.95	1.00		0.27	1.00		0.65	1.00	
Satd. Flow (perm)	1736	1769		1736	1812		496	1799		1186	1645	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	47	310	71	14	876	45	162	121	12	85	165	235
RTOR Reduction (vph)	0	8	0	0	2	0	0	3	0	0	52	0
Lane Group Flow (vph)	47	373	0	14	919	0	162	130	0	85	348	0
Confl. Peds. (#/hr)									1	1		
Confl. Bikes (#/hr)			1			2						1
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Turn Type	Prot	NA		Prot	NA		Perm	NA		Perm	NA	
Protected Phases	5	2		1	6			8				4
Permitted Phases							8			4		
Actuated Green, G (s)	3.1	54.5		1.6	53.0		31.5	31.5		31.5	31.5	
Effective Green, g (s)	3.1	54.5		1.6	53.0		31.5	31.5		31.5	31.5	
Actuated g/C Ratio	0.03	0.54		0.02	0.53		0.31	0.31		0.31	0.31	
Clearance Time (s)	4.0	4.5		4.0	4.5		4.5	4.5		4.5	4.5	
Vehicle Extension (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Lane Grp Cap (vph)	53	958		27	954		155	563		371	515	
v/s Ratio Prot	c0.03	0.21		0.01	c0.51			0.07			0.21	
v/s Ratio Perm							c0.33			0.07		
v/c Ratio	0.89	0.39		0.52	0.96		1.05	0.23		0.23	0.68	
Uniform Delay, d1	48.6	13.4		49.1	22.9		34.5	25.6		25.6	30.1	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2	83.7	0.4		20.6	20.8		84.8	0.3		0.4	3.8	
Delay (s)	132.3	13.7		69.7	43.6		119.3	25.9		26.0	33.9	
Level of Service	F	B		E	D		F	C		C	C	
Approach Delay (s)		26.8			44.0			77.2			32.6	
Approach LOS		C			D			E			C	

Intersection Summary

HCM 2000 Control Delay	42.5	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.99		
Actuated Cycle Length (s)	100.6	Sum of lost time (s)	13.0
Intersection Capacity Utilization	85.6%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			

HCM Unsignalized Intersection Capacity Analysis

3: Montague Ave. & Alvarado St.

04/07/2017



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕		↕	↕		↕	↕	
Traffic Volume (veh/h)	12	1	15	4	2	16	85	1084	26	33	454	19
Future Volume (Veh/h)	12	1	15	4	2	16	85	1084	26	33	454	19
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	13	1	16	4	2	17	92	1178	28	36	493	21
Pedestrians		3			3			1			1	
Lane Width (ft)		12.0			12.0			12.0			12.0	
Walking Speed (ft/s)		4.0			4.0			4.0			4.0	
Percent Blockage		0			0			0			0	
Right turn flare (veh)												
Median type								None			None	
Median storage (veh)												
Upstream signal (ft)								771			1271	
pX, platoon unblocked	0.53	0.53	0.94	0.53	0.53	0.50	0.94			0.50		
vC, conflicting volume	1960	1972	508	1962	1968	1196	517			1209		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	2123	2145	448	2127	2139	897	458			922		
tC, single (s)	7.1	6.5	6.2	7.1	6.5	6.2	4.1			4.1		
tC, 2 stage (s)												
tF (s)	3.5	4.0	3.3	3.5	4.0	3.3	2.2			2.2		
p0 queue free %	7	95	97	74	91	90	91			90		
cM capacity (veh/h)	14	21	574	16	21	170	1038			372		
Direction, Lane #	EB 1	WB 1	NB 1	NB 2	SB 1	SB 2						
Volume Total	30	23	92	1206	36	514						
Volume Left	13	4	92	0	36	0						
Volume Right	16	17	0	28	0	21						
cSH	30	51	1038	1700	372	1700						
Volume to Capacity	1.01	0.45	0.09	0.71	0.10	0.30						
Queue Length 95th (ft)	84	42	7	0	8	0						
Control Delay (s)	361.5	124.2	8.8	0.0	15.7	0.0						
Lane LOS	F	F	A		C							
Approach Delay (s)	361.5	124.2	0.6		1.0							
Approach LOS	F	F										
Intersection Summary												
Average Delay			7.9									
Intersection Capacity Utilization			75.7%		ICU Level of Service					D		
Analysis Period (min)			15									

HCM Signalized Intersection Capacity Analysis

4: Alvarado St. & Marina Blvd

04/07/2017



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗	↘	↖	↗		↖	↗	↘	↖	↗	↘
Traffic Volume (vph)	64	604	155	109	779	14	289	256	248	23	190	57
Future Volume (vph)	64	604	155	109	779	14	289	256	248	23	190	57
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	5.0	5.0	4.0	5.0		4.0	5.0	5.0	4.0	4.6	
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95		0.97	1.00	1.00	0.97	0.95	
Frbp, ped/bikes	1.00	1.00	0.99	1.00	1.00		1.00	1.00	0.98	1.00	1.00	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frt	1.00	1.00	0.85	1.00	1.00		1.00	1.00	0.85	1.00	0.97	
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1736	3539	1531	1770	3528		3367	1827	1554	3433	3336	
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1736	3539	1531	1770	3528		3367	1827	1554	3433	3336	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	70	657	168	118	847	15	314	278	270	25	207	62
RTOR Reduction (vph)	0	0	114	0	1	0	0	0	188	0	38	0
Lane Group Flow (vph)	70	657	54	118	861	0	314	278	82	25	231	0
Confl. Peds. (#/hr)			1			3			5			4
Confl. Bikes (#/hr)			2						2			3
Heavy Vehicles (%)	4%	2%	4%	2%	2%	2%	4%	4%	2%	2%	4%	4%
Turn Type	Prot	NA	Perm	Prot	NA		Prot	NA	Perm	Prot	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases			2						8			
Actuated Green, G (s)	5.8	25.8	25.8	10.3	30.3		10.5	24.3	24.3	1.6	15.8	
Effective Green, g (s)	5.8	25.8	25.8	10.3	30.3		10.5	24.3	24.3	1.6	15.8	
Actuated g/C Ratio	0.07	0.32	0.32	0.13	0.38		0.13	0.30	0.30	0.02	0.20	
Clearance Time (s)	4.0	5.0	5.0	4.0	5.0		4.0	5.0	5.0	4.0	4.6	
Vehicle Extension (s)	2.0	6.0	6.0	4.0	6.0		4.0	4.0	4.0	4.0	4.0	
Lane Grp Cap (vph)	125	1141	493	227	1336		441	554	472	68	658	
v/s Ratio Prot	0.04	0.19		c0.07	c0.24		c0.09	c0.15		0.01	0.07	
v/s Ratio Perm			0.04						0.05			
v/c Ratio	0.56	0.58	0.11	0.52	0.64		0.71	0.50	0.17	0.37	0.35	
Uniform Delay, d1	35.9	22.5	19.0	32.5	20.4		33.3	22.9	20.5	38.7	27.7	
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	3.4	2.1	0.5	2.7	1.8		5.7	1.0	0.2	4.5	0.4	
Delay (s)	39.3	24.7	19.5	35.2	22.2		39.0	23.9	20.7	43.2	28.1	
Level of Service	D	C	B	D	C		D	C	C	D	C	
Approach Delay (s)		24.8			23.7			28.4			29.4	
Approach LOS		C			C			C			C	

Intersection Summary

HCM 2000 Control Delay	25.9	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.65		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	18.0
Intersection Capacity Utilization	60.3%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			

HCM Signalized Intersection Capacity Analysis
 5: Teagarden St./Wayne Ave. & Marina Blvd.

04/07/2017



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↑↑↑	↗	↖	↑↑↑		↖	↗	↗		↗	↗
Traffic Volume (vph)	124	773	413	127	1039	34	201	32	72	21	83	155
Future Volume (vph)	124	773	413	127	1039	34	201	32	72	21	83	155
Ideal Flow (vphp)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.0	5.0	5.0	5.0	5.0		4.6	4.6	4.6		4.6	4.6
Lane Util. Factor	1.00	0.91	1.00	1.00	0.91		0.95	0.95	1.00		1.00	1.00
Frpb, ped/bikes	1.00	1.00	0.98	1.00	1.00		1.00	1.00	0.98		1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00		1.00	1.00	0.85		1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	0.97	1.00		0.99	1.00
Satd. Flow (prot)	1736	4988	1524	1736	4959		1649	1675	1522		1809	1553
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	0.97	1.00		0.99	1.00
Satd. Flow (perm)	1736	4988	1524	1736	4959		1649	1675	1522		1809	1553
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	135	840	449	138	1129	37	218	35	78	23	90	168
RTOR Reduction (vph)	0	0	291	0	3	0	0	0	63	0	0	160
Lane Group Flow (vph)	135	840	158	138	1163	0	126	127	15	0	113	8
Confl. Peds. (#/hr)			6			5			10			1
Confl. Bikes (#/hr)			1									
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Turn Type	Prot	NA	Perm	Prot	NA		Split	NA	Perm	Split	NA	Prot
Protected Phases	5	2		1	6		8	8		7	7	7
Permitted Phases			2						8			
Actuated Green, G (s)	12.5	29.9	29.9	16.0	33.4		15.9	15.9	15.9		4.0	4.0
Effective Green, g (s)	12.5	29.9	29.9	16.0	33.4		15.9	15.9	15.9		4.0	4.0
Actuated g/C Ratio	0.15	0.35	0.35	0.19	0.39		0.19	0.19	0.19		0.05	0.05
Clearance Time (s)	5.0	5.0	5.0	5.0	5.0		4.6	4.6	4.6		4.6	4.6
Vehicle Extension (s)	4.0	6.0	6.0	4.0	6.0		4.0	4.0	4.0		4.0	4.0
Lane Grp Cap (vph)	255	1754	536	326	1948		308	313	284		85	73
v/s Ratio Prot	c0.08	0.17		0.08	c0.23		c0.08	0.08			c0.06	0.01
v/s Ratio Perm			0.10						0.01			
v/c Ratio	0.53	0.48	0.29	0.42	0.60		0.41	0.41	0.05		1.33	0.11
Uniform Delay, d1	33.5	21.5	19.9	30.4	20.5		30.4	30.4	28.4		40.5	38.8
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00
Incremental Delay, d2	2.6	0.9	1.4	1.2	0.9		1.2	1.2	0.1		208.9	0.9
Delay (s)	36.1	22.4	21.3	31.6	21.4		31.6	31.6	28.5		249.4	39.7
Level of Service	D	C	C	C	C		C	C	C		F	D
Approach Delay (s)		23.4			22.5			30.9			124.0	
Approach LOS		C			C			C			F	

Intersection Summary		
HCM 2000 Control Delay	32.2	HCM 2000 Level of Service
HCM 2000 Volume to Capacity ratio	0.58	C
Actuated Cycle Length (s)	85.0	Sum of lost time (s)
Intersection Capacity Utilization	57.0%	19.2
Analysis Period (min)	15	ICU Level of Service
		B
c Critical Lane Group		

HCM Signalized Intersection Capacity Analysis
 9: Teagarden St. & Montague Ave.

04/07/2017



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	↶		↷			↷
Traffic Volume (vph)	0	0	0	0	0	0
Future Volume (vph)	0	0	0	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)						
Lane Util. Factor						
Frt						
Flt Protected						
Satd. Flow (prot)						
Flt Permitted						
Satd. Flow (perm)						
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	0	0	0	0	0
RTOR Reduction (vph)	0	0	0	0	0	0
Lane Group Flow (vph)	0	0	0	0	0	0
Turn Type	Prot					
Protected Phases	8		2			6
Permitted Phases					6	
Actuated Green, G (s)						
Effective Green, g (s)						
Actuated g/C Ratio						
Clearance Time (s)						
Lane Grp Cap (vph)						
v/s Ratio Prot						
v/s Ratio Perm						
v/c Ratio						
Uniform Delay, d1						
Progression Factor						
Incremental Delay, d2						
Delay (s)						
Level of Service						
Approach Delay (s)	0.0		0.0			0.0
Approach LOS	A		A			A
Intersection Summary						
HCM 2000 Control Delay			0.0		HCM 2000 Level of Service	A
HCM 2000 Volume to Capacity ratio			0.00			
Actuated Cycle Length (s)			40.0		Sum of lost time (s)	8.0
Intersection Capacity Utilization			0.0%		ICU Level of Service	A
Analysis Period (min)			15			
c Critical Lane Group						

Queues

1: Alvarado St. & Aladdin Ave./W.Avenue 137th St.

04/07/2017



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	272	103	1	23	613	892	9	26	488
v/c Ratio	0.83	0.21	0.01	0.21	0.88	0.91	0.01	0.35	0.71
Control Delay	70.7	10.8	60.0	34.3	51.0	40.8	0.0	72.9	38.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	70.7	10.8	60.0	34.3	51.0	40.8	0.0	72.9	38.3
Queue Length 50th (ft)	212	9	1	7	455	641	0	20	128
Queue Length 95th (ft)	#427	56	7	34	#832	#1164	0	57	218
Internal Link Dist (ft)		1406		981		1214			691
Turn Bay Length (ft)	225		90		120			120	
Base Capacity (vph)	337	535	118	220	703	982	821	75	791
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.81	0.19	0.01	0.10	0.87	0.91	0.01	0.35	0.62

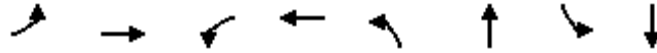
Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Queues

2: Fairway Dr./Aladdin Ave. & Teagarden St.

04/07/2017



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	47	381	14	921	162	133	85	400
v/c Ratio	0.67	0.39	0.20	0.97	1.02	0.23	0.22	0.69
Control Delay	89.7	13.8	53.2	47.3	113.2	25.5	27.2	31.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	89.7	13.8	53.2	47.3	113.2	25.5	27.2	31.1
Queue Length 50th (ft)	30	110	9	551	-112	60	40	182
Queue Length 95th (ft)	#92	207	30	#846	#241	107	79	293
Internal Link Dist (ft)		991		1406		374		691
Turn Bay Length (ft)	120		160		150		55	
Base Capacity (vph)	70	993	70	954	159	580	380	579
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.67	0.38	0.20	0.97	1.02	0.23	0.22	0.69

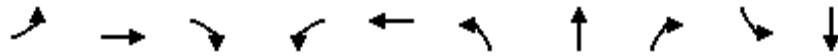
Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Queues

4: Alvarado St. & Marina Blvd

04/07/2017



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	70	657	168	118	862	314	278	270	25	269
v/c Ratio	0.48	0.53	0.25	0.52	0.58	0.71	0.50	0.41	0.11	0.45
Control Delay	46.8	23.0	3.4	44.7	21.6	44.7	26.7	5.0	37.2	25.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	46.8	23.0	3.4	44.7	21.6	44.7	26.7	5.0	37.2	25.9
Queue Length 50th (ft)	34	137	0	54	172	78	110	0	6	54
Queue Length 95th (ft)	#86	193	31	#156	265	#146	181	50	18	77
Internal Link Dist (ft)		1036			874		304			620
Turn Bay Length (ft)	140		140	125		130		130	130	
Base Capacity (vph)	152	1248	663	227	1476	440	590	685	228	910
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.46	0.53	0.25	0.52	0.58	0.71	0.47	0.39	0.11	0.30

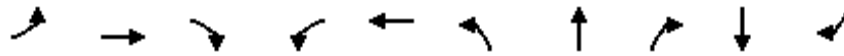
Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Queues

5: Teagarden St./Wayne Ave. & Marina Blvd.

04/07/2017



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBT	SBR
Lane Group Flow (vph)	135	840	449	138	1166	126	127	78	113	168
v/c Ratio	0.53	0.48	0.54	0.42	0.60	0.41	0.41	0.19	1.33	0.72
Control Delay	44.6	22.9	5.1	41.2	23.7	32.1	31.9	1.2	242.2	25.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	44.6	22.9	5.1	41.2	23.7	32.1	31.9	1.2	242.2	25.8
Queue Length 50th (ft)	65	120	0	65	172	66	66	0	~79	0
Queue Length 95th (ft)	#182	176	67	#222	#293	87	88	2	#182	#86
Internal Link Dist (ft)		893			324		461		619	
Turn Bay Length (ft)	130		400	175		120		200		90
Base Capacity (vph)	255	1753	826	327	1951	620	630	665	85	233
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.53	0.48	0.54	0.42	0.60	0.20	0.20	0.12	1.33	0.72

Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Queues

9: Teagarden St. & Montague Ave.

04/07/2017

Lane Group

Lane Group Flow (vph)

v/c Ratio

Control Delay

Queue Delay

Total Delay

Queue Length 50th (ft)

Queue Length 95th (ft)

Internal Link Dist (ft)

Turn Bay Length (ft)

Base Capacity (vph)

Starvation Cap Reductn

Spillback Cap Reductn

Storage Cap Reductn

Reduced v/c Ratio

Intersection Summary

HCM Signalized Intersection Capacity Analysis
 1: Alvarado St. & Aladdin Ave./W.Avenue 137th St.

04/07/2017



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗		↖	↗		↖	↑	↗	↖	↗	
Traffic Volume (vph)	244	12	492	10	11	24	144	319	8	8	526	164
Future Volume (vph)	244	12	492	10	11	24	144	319	8	8	526	164
Ideal Flow (vphp)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.5	4.5	4.0	4.5	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	0.95	
Frbp, ped/bikes	1.00	1.00		1.00	0.99		1.00	1.00	0.98	1.00	0.99	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frt	1.00	0.85		1.00	0.90		1.00	1.00	0.85	1.00	0.96	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1736	1565		1805	1562		1770	1827	1260	1805	3218	
Flt Permitted	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1736	1565		1805	1562		1770	1827	1260	1805	3218	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	265	13	535	11	12	26	157	347	9	9	572	178
RTOR Reduction (vph)	0	178	0	0	21	0	0	0	5	0	31	0
Lane Group Flow (vph)	265	370	0	11	17	0	157	347	4	9	719	0
Confl. Peds. (#/hr)							1		1			3
Confl. Bikes (#/hr)									3			3
Heavy Vehicles (%)	4%	30%	3%	0%	13%	5%	2%	4%	25%	0%	7%	9%
Turn Type	Prot	NA		Prot	NA		Prot	NA	Perm	Prot	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases									8			
Actuated Green, G (s)	15.2	29.0		0.6	14.4		8.1	32.7	32.7	0.6	25.2	
Effective Green, g (s)	15.2	29.0		0.6	14.4		8.1	32.7	32.7	0.6	25.2	
Actuated g/C Ratio	0.19	0.37		0.01	0.18		0.10	0.41	0.41	0.01	0.32	
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.5	4.5	4.0	4.5	
Vehicle Extension (s)	5.0	5.0		5.0	5.0		5.0	5.0	5.0	5.0	5.0	
Lane Grp Cap (vph)	332	571		13	283		180	752	518	13	1021	
v/s Ratio Prot	c0.15	c0.24		0.01	0.01		c0.09	0.19		0.00	c0.22	
v/s Ratio Perm									0.00			
v/c Ratio	0.80	0.65		0.85	0.06		0.87	0.46	0.01	0.69	0.70	
Uniform Delay, d1	30.6	20.9		39.4	26.9		35.1	17.0	13.8	39.3	23.8	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	14.3	3.4		177.2	0.2		36.2	0.9	0.0	114.1	2.8	
Delay (s)	44.9	24.4		216.5	27.1		71.3	17.9	13.8	153.4	26.6	
Level of Service	D	C		F	C		E	B	B	F	C	
Approach Delay (s)		31.1			69.6			34.2			28.1	
Approach LOS		C			E			C			C	

Intersection Summary

HCM 2000 Control Delay	31.7	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.76		
Actuated Cycle Length (s)	79.4	Sum of lost time (s)	16.5
Intersection Capacity Utilization	69.3%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			

HCM Signalized Intersection Capacity Analysis

2: Fairway Dr./Aladdin Ave. & Teagarden St.

04/07/2017



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	117	863	208	3	401	69	69	101	19	68	204	155
Future Volume (vph)	117	863	208	3	401	69	69	101	19	68	204	155
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.5		4.0	4.5		4.5	4.5		4.5	4.5	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frbp, ped/bikes	1.00	0.99		1.00	1.00		1.00	1.00		1.00	0.99	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00		0.99	1.00	
Frt	1.00	0.97		1.00	0.98		1.00	0.98		1.00	0.94	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1736	1764		1736	1779		1734	1774		1721	1693	
Flt Permitted	0.95	1.00		0.95	1.00		0.17	1.00		0.61	1.00	
Satd. Flow (perm)	1736	1764		1736	1779		312	1774		1097	1693	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	127	938	226	3	436	75	75	110	21	74	222	168
RTOR Reduction (vph)	0	6	0	0	4	0	0	5	0	0	19	0
Lane Group Flow (vph)	127	1158	0	3	507	0	75	126	0	74	371	0
Confl. Peds. (#/hr)			3			2	1		4	4		1
Confl. Bikes (#/hr)			1			4						
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Turn Type	Prot	NA		Prot	NA		Perm	NA		Perm	NA	
Protected Phases	5	2		1	6			8				4
Permitted Phases							8			4		
Actuated Green, G (s)	15.1	88.1		0.8	73.8		34.9	34.9		34.9	34.9	
Effective Green, g (s)	15.1	88.1		0.8	73.8		34.9	34.9		34.9	34.9	
Actuated g/C Ratio	0.11	0.64		0.01	0.54		0.26	0.26		0.26	0.26	
Clearance Time (s)	4.0	4.5		4.0	4.5		4.5	4.5		4.5	4.5	
Vehicle Extension (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Lane Grp Cap (vph)	191	1136		10	959		79	452		279	431	
v/s Ratio Prot	c0.07	c0.66		0.00	0.28			0.07				0.22
v/s Ratio Perm							c0.24			0.07		
v/c Ratio	0.66	1.02		0.30	0.53		0.95	0.28		0.27	0.86	
Uniform Delay, d1	58.4	24.4		67.7	20.3		50.1	40.9		40.7	48.6	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2	9.2	31.7		21.7	0.7		83.7	0.5		0.7	16.1	
Delay (s)	67.7	56.0		89.4	21.0		133.8	41.3		41.4	64.7	
Level of Service	E	E		F	C		F	D		D	E	
Approach Delay (s)		57.2			21.4			75.0			61.0	
Approach LOS		E			C			E			E	

Intersection Summary

HCM 2000 Control Delay	51.9	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	1.00		
Actuated Cycle Length (s)	136.8	Sum of lost time (s)	13.0
Intersection Capacity Utilization	101.3%	ICU Level of Service	G
Analysis Period (min)	15		
c Critical Lane Group			

HCM Unsignalized Intersection Capacity Analysis

3: Montague Ave. & Alvarado St.

04/07/2017



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕		↗	↘		↗	↘	
Traffic Volume (veh/h)	35	0	28	12	2	25	34	580	5	10	632	28
Future Volume (Veh/h)	35	0	28	12	2	25	34	580	5	10	632	28
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	1.00	0.92	0.92	0.92
Hourly flow rate (vph)	38	0	30	13	2	27	37	630	5	11	687	30
Pedestrians		3			2							1
Lane Width (ft)		12.0			12.0						12.0	
Walking Speed (ft/s)		4.0			4.0						4.0	
Percent Blockage		0			0						0	
Right turn flare (veh)												
Median type								None			None	
Median storage veh												
Upstream signal (ft)								771			1271	
pX, platoon unblocked	0.90	0.90	0.94	0.90	0.90	0.87	0.94			0.87		
vC, conflicting volume	1460	1438	705	1448	1450	636	720			637		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	1304	1280	653	1290	1294	511	669			513		
tC, single (s)	7.1	6.5	6.2	7.1	6.5	6.2	4.1			4.1		
tC, 2 stage (s)												
tF (s)	3.5	4.0	3.3	3.5	4.0	3.3	2.2			2.2		
p0 queue free %	66	100	93	88	99	94	96			99		
cM capacity (veh/h)	111	141	437	113	139	491	862			919		
Direction, Lane #	EB 1	WB 1	NB 1	NB 2	SB 1	SB 2						
Volume Total	68	42	37	635	11	717						
Volume Left	38	13	37	0	11	0						
Volume Right	30	27	0	5	0	30						
cSH	165	227	862	1700	919	1700						
Volume to Capacity	0.41	0.18	0.04	0.37	0.01	0.42						
Queue Length 95th (ft)	46	17	3	0	1	0						
Control Delay (s)	41.3	24.4	9.4	0.0	9.0	0.0						
Lane LOS	E	C	A		A							
Approach Delay (s)	41.3	24.4	0.5		0.1							
Approach LOS	E	C										
Intersection Summary												
Average Delay			2.8									
Intersection Capacity Utilization			48.1%		ICU Level of Service					A		
Analysis Period (min)			15									

HCM Signalized Intersection Capacity Analysis

4: Alvarado St. & Marina Blvd

04/07/2017



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗	↘	↖	↗		↖	↗	↘	↖	↗	↘
Traffic Volume (vph)	80	840	160	196	618	31	161	157	215	31	186	74
Future Volume (vph)	80	840	160	196	618	31	161	157	215	31	186	74
Ideal Flow (vphp)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	5.0	5.0	4.0	5.0		4.0	5.0	5.0	4.0	4.6	
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95		0.97	1.00	1.00	0.97	0.95	
Frpb, ped/bikes	1.00	1.00	0.98	1.00	1.00		1.00	1.00	0.98	1.00	1.00	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frt	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85	1.00	0.96	
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1736	3539	1529	1770	3509		3367	1827	1553	3433	3308	
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1736	3539	1529	1770	3509		3367	1827	1553	3433	3308	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	87	913	174	213	672	34	175	171	234	34	202	80
RTOR Reduction (vph)	0	0	106	0	4	0	0	0	181	0	59	0
Lane Group Flow (vph)	87	913	68	213	702	0	175	171	53	34	223	0
Confl. Peds. (#/hr)			4			5			4			1
Confl. Bikes (#/hr)						1			3			3
Heavy Vehicles (%)	4%	2%	4%	2%	2%	2%	4%	4%	2%	2%	4%	4%
Turn Type	Prot	NA	Perm	Prot	NA		Prot	NA	Perm	Prot	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases			2						8			
Actuated Green, G (s)	6.8	26.5	26.5	15.1	34.8		5.1	18.0	18.0	2.4	15.7	
Effective Green, g (s)	6.8	26.5	26.5	15.1	34.8		5.1	18.0	18.0	2.4	15.7	
Actuated g/C Ratio	0.08	0.33	0.33	0.19	0.43		0.06	0.22	0.22	0.03	0.20	
Clearance Time (s)	4.0	5.0	5.0	4.0	5.0		4.0	5.0	5.0	4.0	4.6	
Vehicle Extension (s)	2.0	6.0	6.0	4.0	6.0		4.0	4.0	4.0	4.0	4.0	
Lane Grp Cap (vph)	147	1172	506	334	1526		214	411	349	102	649	
v/s Ratio Prot	0.05	c0.26		c0.12	0.20		c0.05	c0.09		0.01	0.07	
v/s Ratio Perm			0.04						0.03			
v/c Ratio	0.59	0.78	0.13	0.64	0.46		0.82	0.42	0.15	0.33	0.34	
Uniform Delay, d1	35.3	24.1	18.7	29.9	16.0		37.0	26.5	24.9	38.0	27.7	
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	4.2	5.1	0.5	4.5	0.6		21.9	0.9	0.3	2.6	0.4	
Delay (s)	39.5	29.3	19.3	34.4	16.6		58.9	27.4	25.1	40.6	28.1	
Level of Service	D	C	B	C	B		E	C	C	D	C	
Approach Delay (s)		28.5			20.7			36.0			29.5	
Approach LOS		C			C			D			C	

Intersection Summary

HCM 2000 Control Delay	27.7	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.66		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	18.0
Intersection Capacity Utilization	61.9%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			

HCM Signalized Intersection Capacity Analysis

5: Teagarden St./Wayne Ave. & Marina Blvd.

04/07/2017



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↘	↑↑↑	↗	↘	↑↑↑		↘	↗	↗		↗	↗
Traffic Volume (vph)	193	1007	259	151	754	31	370	23	103	27	49	72
Future Volume (vph)	193	1007	259	151	754	31	370	23	103	27	49	72
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.0	5.0	5.0	5.0	5.0		4.6	4.6	4.6		4.6	4.6
Lane Util. Factor	1.00	0.91	1.00	1.00	0.91		0.95	0.95	1.00		1.00	1.00
Frbp, ped/bikes	1.00	1.00	0.97	1.00	1.00		1.00	1.00	0.98		1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85		1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	0.96	1.00		0.98	1.00
Satd. Flow (prot)	1736	4988	1508	1736	4950		1649	1662	1518		1795	1553
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	0.96	1.00		0.98	1.00
Satd. Flow (perm)	1736	4988	1508	1736	4950		1649	1662	1518		1795	1553
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	210	1095	282	164	820	34	402	25	112	29	53	78
RTOR Reduction (vph)	0	0	198	0	5	0	0	0	87	0	0	74
Lane Group Flow (vph)	210	1095	84	164	849	0	213	214	25	0	82	4
Confl. Peds. (#/hr)			17			9			13			2
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Turn Type	Prot	NA	Perm	Prot	NA		Split	NA	Perm	Split	NA	Prot
Protected Phases	5	2		1	6		8	8		7	7	7
Permitted Phases			2						8			
Actuated Green, G (s)	19.5	25.4	25.4	17.2	23.1		19.2	19.2	19.2		4.0	4.0
Effective Green, g (s)	19.5	25.4	25.4	17.2	23.1		19.2	19.2	19.2		4.0	4.0
Actuated g/C Ratio	0.23	0.30	0.30	0.20	0.27		0.23	0.23	0.23		0.05	0.05
Clearance Time (s)	5.0	5.0	5.0	5.0	5.0		4.6	4.6	4.6		4.6	4.6
Vehicle Extension (s)	4.0	6.0	6.0	4.0	6.0		4.0	4.0	4.0		4.0	4.0
Lane Grp Cap (vph)	398	1490	450	351	1345		372	375	342		84	73
v/s Ratio Prot	c0.12	c0.22		0.09	0.17		c0.13	0.13			c0.05	0.00
v/s Ratio Perm			0.06						0.02			
v/c Ratio	0.53	0.73	0.19	0.47	0.63		0.57	0.57	0.07		0.98	0.05
Uniform Delay, d1	28.7	26.8	22.1	29.9	27.2		29.3	29.2	25.9		40.5	38.7
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00
Incremental Delay, d2	1.6	3.3	0.9	1.3	1.6		2.5	2.5	0.1		89.8	0.4
Delay (s)	30.4	30.0	23.1	31.2	28.8		31.8	31.7	26.0		130.2	39.1
Level of Service	C	C	C	C	C		C	C	C		F	D
Approach Delay (s)		28.8			29.2			30.6			85.8	
Approach LOS		C			C			C			F	

Intersection Summary		
HCM 2000 Control Delay	32.0	HCM 2000 Level of Service C
HCM 2000 Volume to Capacity ratio	0.67	
Actuated Cycle Length (s)	85.0	Sum of lost time (s) 19.2
Intersection Capacity Utilization	62.1%	ICU Level of Service B
Analysis Period (min)	15	

c Critical Lane Group

HCM Signalized Intersection Capacity Analysis

9: Teagarden St. & Montague Ave.

04/07/2017



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	0	0	0	0	0	0
Future Volume (vph)	0	0	0	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)						
Lane Util. Factor						
Frt						
Flt Protected						
Satd. Flow (prot)						
Flt Permitted						
Satd. Flow (perm)						
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	0	0	0	0	0
RTOR Reduction (vph)	0	0	0	0	0	0
Lane Group Flow (vph)	0	0	0	0	0	0
Turn Type	Prot					
Protected Phases	8		2			6
Permitted Phases					6	
Actuated Green, G (s)						
Effective Green, g (s)						
Actuated g/C Ratio						
Clearance Time (s)						
Lane Grp Cap (vph)						
v/s Ratio Prot						
v/s Ratio Perm						
v/c Ratio						
Uniform Delay, d1						
Progression Factor						
Incremental Delay, d2						
Delay (s)						
Level of Service						
Approach Delay (s)	0.0		0.0			0.0
Approach LOS	A		A			A
Intersection Summary						
HCM 2000 Control Delay			0.0		HCM 2000 Level of Service	A
HCM 2000 Volume to Capacity ratio			0.00			
Actuated Cycle Length (s)			40.0		Sum of lost time (s)	8.0
Intersection Capacity Utilization			0.0%		ICU Level of Service	A
Analysis Period (min)			15			
c Critical Lane Group						

Queues

1: Alvarado St. & Aladdin Ave./W.Avenue 137th St.

04/07/2017



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	265	548	11	38	157	347	9	9	750
v/c Ratio	0.73	0.69	0.11	0.15	0.80	0.42	0.01	0.09	0.76
Control Delay	43.3	14.2	39.7	15.0	64.5	18.1	0.0	39.2	28.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	43.3	14.2	39.7	15.0	64.5	18.1	0.0	39.2	28.5
Queue Length 50th (ft)	109	91	5	5	68	88	0	4	138
Queue Length 95th (ft)	#294	235	23	28	#214	258	0	20	#295
Internal Link Dist (ft)		1406		981		1214			691
Turn Bay Length (ft)	225		90		120			120	
Base Capacity (vph)	362	951	100	591	197	818	651	100	1102
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.73	0.58	0.11	0.06	0.80	0.42	0.01	0.09	0.68

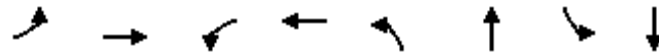
Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Queues

2: Fairway Dr./Aladdin Ave. & Teagarden St.

04/07/2017



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	127	1164	3	511	75	131	74	390
v/c Ratio	0.65	1.00	0.06	0.54	0.93	0.28	0.26	0.85
Control Delay	72.2	48.2	66.7	23.5	130.9	39.6	42.8	61.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	72.2	48.2	66.7	23.5	130.9	39.6	42.8	61.5
Queue Length 50th (ft)	105	886	3	282	63	84	50	298
Queue Length 95th (ft)	181	#1408	14	400	#176	152	102	#511
Internal Link Dist (ft)		991		1406		374		691
Turn Bay Length (ft)	120		160		150		55	
Base Capacity (vph)	233	1169	51	991	81	469	287	461
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.55	1.00	0.06	0.52	0.93	0.28	0.26	0.85

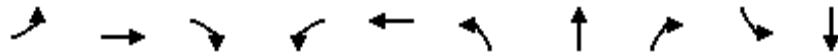
Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Queues

4: Alvarado St. & Marina Blvd

04/07/2017



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	87	913	174	213	706	175	171	234	34	282
v/c Ratio	0.52	0.73	0.27	0.64	0.43	0.82	0.42	0.44	0.17	0.44
Control Delay	45.0	27.6	5.7	42.2	17.0	70.6	30.2	6.5	38.7	22.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	45.0	27.6	5.7	42.2	17.0	70.6	30.2	6.5	38.7	22.4
Queue Length 50th (ft)	42	214	5	94	121	~49	79	0	8	48
Queue Length 95th (ft)	86	287	47	#239	205	#111	121	51	22	73
Internal Link Dist (ft)		1036			874		304			620
Turn Bay Length (ft)	140		140	125		130		130	130	
Base Capacity (vph)	198	1243	640	334	1635	213	502	597	195	979
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.44	0.73	0.27	0.64	0.43	0.82	0.34	0.39	0.17	0.29

Intersection Summary

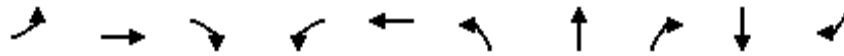
~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Queues

5: Teagarden St./Wayne Ave. & Marina Blvd.

04/07/2017



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBT	SBR
Lane Group Flow (vph)	210	1095	282	164	854	213	214	112	82	78
v/c Ratio	0.53	0.74	0.44	0.47	0.63	0.57	0.57	0.24	0.98	0.36
Control Delay	39.6	30.5	5.4	40.8	29.6	33.9	33.7	2.8	137.0	5.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	39.6	30.5	5.4	40.8	29.6	33.9	33.7	2.8	137.0	5.0
Queue Length 50th (ft)	97	191	0	76	146	109	109	0	45	0
Queue Length 95th (ft)	#290	243	55	#248	189	143	144	18	#134	4
Internal Link Dist (ft)		893			324		461		619	
Turn Bay Length (ft)	130		400	175		120		200		90
Base Capacity (vph)	397	1485	646	352	1348	620	626	664	84	215
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.53	0.74	0.44	0.47	0.63	0.34	0.34	0.17	0.98	0.36

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Queues

9: Teagarden St. & Montague Ave.

04/07/2017

Lane Group

Lane Group Flow (vph)

v/c Ratio

Control Delay

Queue Delay

Total Delay

Queue Length 50th (ft)

Queue Length 95th (ft)

Internal Link Dist (ft)

Turn Bay Length (ft)

Base Capacity (vph)

Starvation Cap Reductn

Spillback Cap Reductn

Storage Cap Reductn

Reduced v/c Ratio

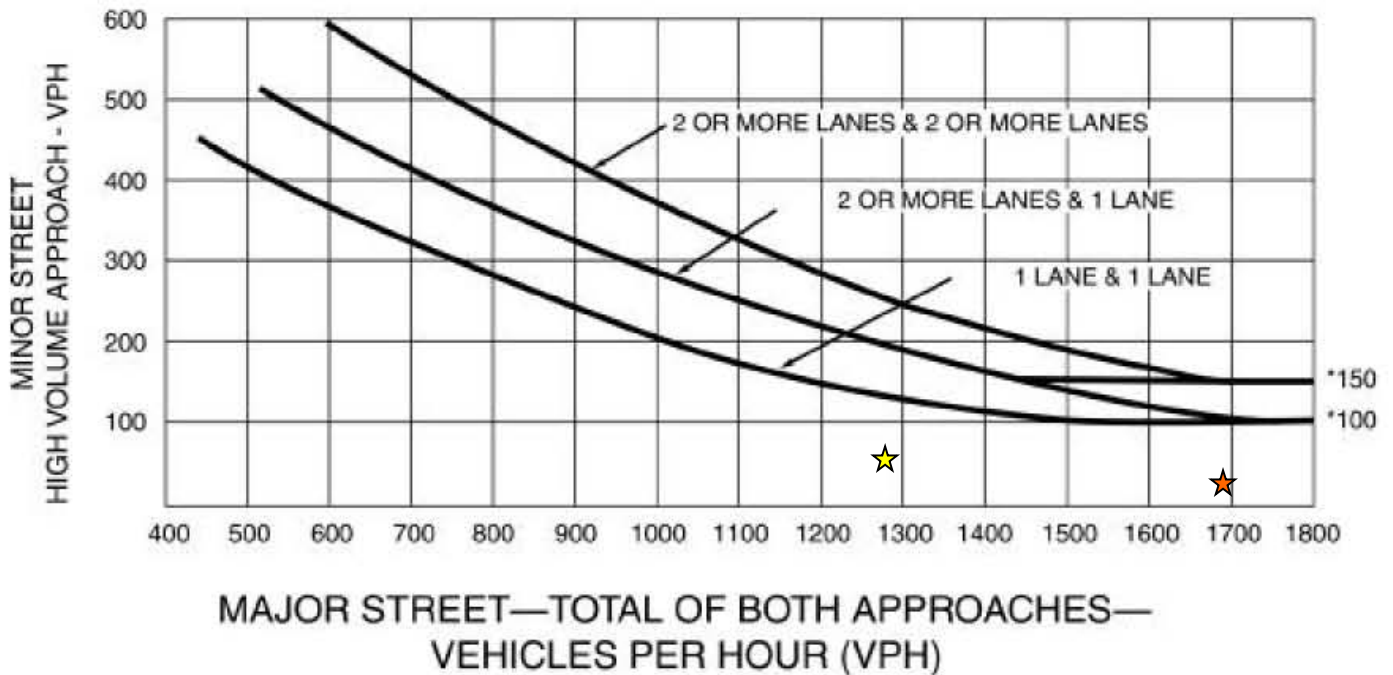
Intersection Summary

Peak Hour Warrant (Urban Areas)

Intersection #3: Alvarado Street and Montague Avenue
Scenario: Cumulative plus Project Conditions

Figure 4C-3. Warrant 3, Peak Hour

Minor Street Volume = 28(63) VPH



*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.

Major Street Volume = 1701(1289) VPH

- ★ AM peak hour
- ★ PM peak hour

A signal is not warranted for both A.M. & P.M. Peak Hour

No.	Intersections	Control	Peak Hour	Existing Conditions		Existing plus Project Conditions		Difference in Delay
				Average Delay	LOS	Average Delay	LOS	
1	Alvarado Street and Aladdin Avenue/W.Avenue 137 th Street	Signalized	AM	47.1	D	51.9	D	4.80
			PM	26.4	C	27.9	C	1.50
2	Teagarden Street and Fairway Drive/Aladdin Avenue	Signalized	AM	20.3	C	20.4	C	0.10
			PM	21.7	C	21.8	C	0.10
3	Alvarado Street and Montague Avenue	Two-Way Stop	AM	36.1	E	39.4	E	3.30
			PM	21.4	C	23.0	C	1.60
4	Alvarado Street and Marina Boulevard	Signalized	AM	30.0	C	30.6	C	0.60
			PM	23.9	C	30.0	C	6.10
5	Teagarden Street and Marina Boulevard	Signalized	AM	25.9	C	25.8	C	-0.10
			PM	35.2	D	35.0	C	-0.20

No.	Intersections	Control	Peak Hour	Cumulative 2035 Conditions		Cumulative 2035 plus Project Conditions		Difference in Delay
				Average Delay	LOS	Average Delay	LOS	
1	Alvarado Street and Aladdin Avenue/W.Avenue 137 th Street	Signalized	AM	50.2	D	55.0	D	4.8
			PM	30.5	C	33.7	C	3.2
2	Teagarden Street and Fairway Drive/Aladdin Avenue	Signalized	AM	42.2	D	42.4	D	0.2
			PM	51.9	D	51.8	D	-0.1
3	Alvarado Street and Montague Avenue	Two-Way Stop	AM	319.5	F	409.6	F	90.1
			PM	39.9	E	45.1	E	5.2
4	Alvarado Street and Marina Boulevard	Signalized	AM	25.9	C	26.1	C	0.2
			PM	27.3	C	28.7	C	1.4
5	Teagarden Street and Marina Boulevard	Signalized	AM	32.2	C	32.2	C	0.0
			PM	32.0	C	32.2	C	0.2

Existing AM

No	Study Segments	Direction	# Lanes	No Project Volume AM Peak Hour	Project Volumes AM Peak Hour	With Project Volume	V/C Ratio No Project	V/C Ratio plus Project	Change in V/C Ratio	No Project LOS	Plus Project LOS	Change from LOS E or better to LOS F	LOS F and Change in V/C > 0.02
1	Aladdin Avenue between Teagarden Street and Alvarado Street	Eastbound	1	310	18	328	0.39	0.42	0.02	D	D	No	No
		Westbound	1	457	2	459	0.58	0.58	0.00	D	D	No	No
2	Alvarado Street between Aladdin Avenue and Montague Avenue	Northbound	1	665	3	668	0.84	0.85	0.00	D	D	No	No
		Southbound	1	385	30	415	0.49	0.53	0.04	D	D	No	No

Existing PM

No	Study Segments	Direction	# Lanes	No Project Volume PM Peak Hour	Project Volumes PM Peak Hour	With Project Volume	V/C Ratio No Project	V/C Ratio plus Project	Change in V/C Ratio	No Project LOS	Plus Project LOS	Change from LOS E or better to LOS F	LOS F and Change in V/C > 0.02
1	Aladdin Avenue between Teagarden Street and Alvarado Street	Eastbound	1	382	2	384	0.48	0.49	0.00	D	D	No	No
		Westbound	1	293	23	316	0.37	0.40	0.03	D	D	No	No
2	Alvarado Street between Aladdin Avenue and Montague Avenue	Northbound	1	563	39	602	0.71	0.76	0.05	D	D	No	No
		Southbound	1	418	4	422	0.53	0.53	0.01	D	D	No	No

Cumulative AM

No	Study Segments	Direction	# Lanes	No Project Volume AM Peak Hour	Project Volumes AM Peak Hour	With Project Volume	V/C Ratio No Project	V/C Ratio plus Project	Change in V/C Ratio	No Project LOS	Plus Project LOS	Change from LOS E or better to LOS F	LOS F and Change in V/C > 0.02
1	Aladdin Avenue between Teagarden Street and Alvarado Street	Eastbound	1	341	18	359	0.43	0.45	0.02	D	D	No	No
		Westbound	1	793	2	795	1.00	1.01	0.00	F	F	No	No
2	Alvarado Street between Aladdin Avenue and Montague Avenue	Northbound	1	1,192	3	1,195	1.51	1.51	0.00	F	F	No	No
		Southbound	1	465	30	495	0.59	0.63	0.04	D	D	No	No

Cumulative PM

No	Study Segments	Direction	# Lanes	No Project Volume PM Peak Hour	Project Volumes PM Peak Hour	With Project Volume	V/C Ratio No Project	V/C Ratio plus Project	Change in V/C Ratio	No Project LOS	Plus Project LOS	Change from LOS E or better to LOS F	LOS F and Change in V/C > 0.02
1	Aladdin Avenue between Teagarden Street and Alvarado Street	Eastbound	1	746	2	748	0.94	0.95	0.00	E	E	No	No
		Westbound	1	312	23	335	0.39	0.42	0.03	D	D	No	No
2	Alvarado Street between Aladdin Avenue and Montague Avenue	Northbound	1	608	39	647	0.77	0.82	0.05	D	D	No	No
		Southbound	1	670	4	674	0.85	0.85	0.01	D	D	No	No

Summary of Trip Generation for Industrial Development on 2756 Alavarado Street in the City of San Leandro, CA

Land Use	Building Area (s.f)	Building Area (k.s.f)	Daily			AM Peak			PM Peak							
			Rate	Trips	In %	Out %	In	Out	Total	Rate	In %	Out %	In	Out	Total	
Proposed																
Advance Manufacturing ¹	160,000	160	5.75	920	0.53	89	11	75	10	85	0.62	15	85	15	84	99
Existing Driveway Counts ²								25	5	30				9	19	28
Net Total Trips	160,000	160.0						50	5	55				6	65	71

Notes:

Source: ITE Trip Generation Manual, 9th Edition, 2012

k.s.f = Thousand Square Feet

¹Advance Manufacturing vehicle trip rates are used based upon number of thousand square feet gross floor area. Trip rate for Advance Manufacturing land use is derived from the driveway counts conducted at a Sanmina at 42735 Christy Street, Fremont, CA, Flextronics at 250 S. Milpitas Blvd, Milpitas, CA and Quanta at 41652 Boscell Drive, Fremont, CA.

² Existing Driveway Counts on site were conducted on 11/03/2016

Appendix E

Mitigation Monitoring and Reporting Program

Mitigation Monitoring and Reporting Program

The Initial Study-Mitigated Negative Declaration for the Alvarado Commerce Center Project identifies the mitigation measures that will be implemented to reduce the impacts associated with the Alvarado Commerce Center Project. The California Environmental Quality Act (CEQA) requires a public agency to adopt a monitoring and reporting program for assessing and ensuring compliance with any required mitigation measures applied to proposed development. As stated in section 21081.6(a)(1) of the Public Resources Code:

...the public agency shall adopt a reporting or monitoring program for the changes made to the project or conditions of project approval, adopted in order to mitigate or avoid significant effects on the environment.

Section 21081.6 also provides general guidelines for implementing mitigation monitoring programs and indicates that specific reporting and/or monitoring requirements, to be enforced during project implementation, shall be defined as part of adopting a mitigated negative declaration.

The mitigation monitoring table lists those mitigation measures that may be included as conditions of approval for the project. To ensure that the mitigation measures are properly implemented, a monitoring program has been devised which identifies the timing and responsibility for monitoring each measure. The project applicant will have the responsibility for implementing the measures, and the various City of San Leandro departments will have the primary responsibility for monitoring and reporting the implementation of the mitigation measures.

Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Responsible Agency	Compliance Verification		
				Initial	Date	Comments
BIOLOGICAL RESOURCES						
BIO-1: Nesting Bird Surveys and Avoidance						
Construction of the project and any other site disturbing activities that would involve vegetation or tree removal, shall be prohibited during the general avian nesting season (February 1 to August 31), if feasible. If nesting season avoidance is not feasible, the applicant shall retain a qualified biologist, as approved by the City of San Leandro, to conduct a preconstruction nesting bird survey to determine the presence/absence, location, and activity status of any active nests on or adjacent to the project site. The extent of the survey buffer area surrounding the site shall be established by the qualified biologist to ensure that direct and indirect effects to nesting birds are avoided. To avoid the destruction of active nests and to protect the reproductive success of birds protected by the MBTA and California Fish and Game Code, nesting bird surveys shall be performed not more than 14 days prior to scheduled vegetation clearance and structure demolition. In the event that active nests are discovered, a suitable buffer (typically a minimum buffer of 50 feet for passerines and a minimum buffer of 250 feet for raptors) shall be established around such active nests and no construction shall be allowed in the buffer areas until a qualified biologist has determined that the nest is no longer active (i.e., the nestlings have fledged and are no longer reliant on the nest). No ground-disturbing activities shall occur in this buffer until the qualified biologist has confirmed that breeding/nesting is completed and the young have fledged the nest. Nesting bird surveys are not required for construction activities occurring between August 31 and February 1.	Verify that if initial ground disturbing activities occurs between February 1 and August 31, a qualified biologist has prepared a pre-construction survey two weeks prior to start of construction. If active nests are discovered, verify that buffers have been established and work is avoided in in the buffer as appropriate.	Once before construction to review pre-construction survey; as needed during construction to verify buffers established and work is avoiding buffer zones.	City of San Leandro Community Development Department			
CULTURAL RESOURCES						
CR-1: Archaeological Resources						
In the event that archaeological resources are discovered during construction, operations shall stop within 50 feet of the find and a qualified archaeologist shall be consulted to determine whether the resource requires further study. The project applicant shall include a standard inadvertent discovery clause in every construction contract to inform contractors of this requirement. The archaeologist shall make recommendations concerning appropriate measures that will be implemented to protect the resources, which may include, but be not limited to, excavation and evaluation of the	Verify that in the event that archaeological artifacts are encountered during project construction, all work in the vicinity of the find has been halted until such time as the find is evaluated.	As needed during construction activities; work must stop immediately if resources are discovered, and consultation	City of San Leandro Community Development Department			

Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Responsible Agency	Compliance Verification		
				Initial	Date	Comments
finds in accordance with Section 15064.5 of the CEQA Guidelines. Cultural resources could consist of, but are not limited to, stone, bone, wood, or shell artifacts or features, including hearths. Any previously undiscovered resources found during construction in the project area should be recorded on appropriate Department of Parks and Recreation (DPR) 523 forms and evaluated for significance in terms of CEQA criteria.		initiated as soon as practical.				
CR-2: Paleontological Resources						
In the event a fossil is discovered during construction of the project, excavations within 50 feet of the find shall be temporarily halted or delayed until the discovery is examined by a qualified paleontologist in accordance with Society of Vertebrate Paleontology standards. The project applicant shall include a standard inadvertent discovery clause in every construction contract to inform contractors of this requirement. If the find is determined to be significant and if avoidance is not feasible, the paleontologist shall design and carry out a data recovery plan consistent with the Society of Vertebrate Paleontology standards.	Verify that in the event that paleontological artifacts are encountered during project construction, all work in the vicinity of the find has been halted until such time as the find is evaluated.	As needed during construction activities; work must stop immediately if resources are discovered, and examination initiated as soon as practical.	City of San Leandro Community Development Department			
CR-3: Human Remains						
In the event of the accidental discovery or recognition of any human remains, CEQA Guidelines §15064.5, Health and Safety Code §7050.5, and Public Resources Code §5097.94 and §5097.98 shall be followed. If during the course of project development human remains are accidentally discovered or recognized, the following steps shall be taken: <ul style="list-style-type: none"> a. There shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent human remains until the County Coroner is contacted to determine if the remains are Native American and if an investigation of the cause of death is required. If the coroner determines the remains to be Native American, the coroner shall contact the Native American Heritage Commission (NAHC) within 24 hours, and the NAHC shall identify the person or persons it believes to be the "most likely descendant" (MLD) of the deceased Native American. The MLD may make recommendations to the landowner or the person responsible for the excavation work within 48 hours, for means of treating or disposing of, with appropriate dignity, the human remains and any associated grave 	Verify that if human remains are found, work is halted until the County Coroner has approved the beginning of work. Verify that if the remains are of Native American descent, the NAHC has been notified.	As needed during construction activities; work must stop immediately if resources are discovered, and consultation initiated as soon as practical.	City of San Leandro Community Development Department			

Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Responsible Agency	Compliance Verification		
				Initial	Date	Comments
<p>goods as provided in PRC Section 5097.98.</p> <p>b. Where the following conditions occur, the landowner or his authorized representative shall rebury the Native American human remains and associated grave goods with appropriate dignity either in accordance with the recommendations of the most likely descendant or on the project site in a location not subject to further subsurface disturbance:</p> <ul style="list-style-type: none"> • The NAHC is unable to identify a most likely descendent or the most likely descendent failed to make a recommendation within 48 hours after being notified by the commission. • The descendant identified fails to make a recommendation. • The landowner or his authorized representative rejects the recommendation of the descendant, and mediation by the NAHC fails to provide measures acceptable to the landowner. 						

GEOLOGY AND SOILS

GEO-1: Geotechnical Considerations

The project applicant shall implement all measures and recommendations set forth in the Geotechnical Study prepared by Cornerstone Earth Group in November 2016. These include but are not limited to:

- Foundations designed to tolerate total and differential settlement
- Remedial grading must include over-excavation and re-compaction of undocumented fill inside the building footprint
- Slabs-on-grade should have sufficient reinforcement and be supported on a layer of non-expansive fill
- Footings should extend below the zone of seasonal moisture fluctuation
- Limit moisture in surficial soils by using positive drainage away from buildings as well as limiting landscaping watering
- Special requirements for corrosion control must be made to protect metal pipes

A project geotechnical engineer must be present during construction activities to provide geotechnical observation and testing during earthwork and foundation construction to determine compliance with project plans and mitigation.

Verify that building plans incorporate all design and construction criteria specified in the geotechnical report.

Verify that a project geotechnical engineer is present during construction activities.

Prior to approval of grading permit.

As needed during construction activities

City of San Leandro
 Community Development Department and Engineering and Transportation Department

Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Responsible Agency	Compliance Verification		
				Initial	Date	Comments
Greenhouse Gas Emissions						
GHG-1: GHG Reduction Plan						
<p>The project applicant shall reduce operational GHG emissions through implementation of one or both of the following:</p> <p>a. Prior to building permit issuance, develop a project GHG Reduction Plan that reduces annual GHG emissions from the project to below 1,100 MT CO₂e per year over the operational life of the project. The plan shall list reduction measures that will be implemented by the project and quantify total operational emissions associated with the project. City staff shall verify the measures are included in site plans and that, with implementation, emissions would be below 1,100 MT CO₂e per year. The plan will be implemented onsite by the project applicant and may include, but not be limited to, the following components:</p> <ol style="list-style-type: none"> 1. Charging stations for alternative fuel vehicles 2. Energy and water efficient equipment, appliances, heating, and cooling 3. Energy efficient lighting 4. Water conservation and recycling 6. Renewable energy production 7. Trip reduction (e.g., employee ridesharing, vanpool/shuttle) 8. Carbon sequestration 9. Recycling and composting of solid waste <p>and/or</p> <p>b. If annual GHG emissions cannot be fully reduced to below 1,100 MT CO₂e per year through compliance with a project GHG Reduction Plan, the applicant shall purchase carbon offsets to reduce GHG emissions below threshold levels.</p>	<p>Verify that a GHG Reduction Plan has been prepared and implemented or that the applicant has purchased carbon offsets.</p>	<p>Prior to approval of building permit.</p>	<p>City of San Leandro Community Development Department</p>			

Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Responsible Agency	Compliance Verification		
				Initial	Date	Comments
Hazards and Hazardous Materials						
HAZ-1: Monitoring Wells Protection and Access						
The project applicant shall ensure the two monitoring wells that will remain on the project site must remain intact and undamaged during construction activities of the project. The two monitoring wells must also remain accessible to the DTSC for future testing.	Verify that the two monitoring wells remain intact and undamaged and remain accessible to the DTSC.	As needed during construction activities	City of San Leandro Community Development Department and Environmental Services Section			
TRIBAL CULTURAL RESOURCES						
TCR-1: Unanticipated Discovery of Tribal Cultural Resources						
In the event that cultural resources of Native American origin are identified during construction, the City shall consult with a qualified archaeologist and begin or continue Native American consultation procedures. If the City determines that the resource is a tribal cultural resource and thus significant under CEQA, a mitigation plan shall be prepared and implemented in accordance with state guidelines and in consultation with Native American groups. If the resource cannot be avoided, additional measures to avoid or reduce impacts to the resource and to address tribal concerns may be required.	Verify that in the event that cultural artifacts of Native American origin are encountered during project construction, all work in the vicinity of the find has been halted until such time as the find is evaluated.	As needed during construction activities; work must stop immediately if resources are discovered, and consultation initiated as soon as practical.	City of San Leandro Community Development Department			