JUNE
2022

1766 El Camino Real Project

CEQA Class 32 Infill Exemption

City of Burlingame

ICF

CEQA Class 32 Infill Exemption
1766 El Camino Real Project

Prepared for:

City of Burlingame
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Acronyms and Abbreviations

µg/m3	microgram per cubic meter
2040 General Plan	Envision Burlingame General Plan
ADA	Americans with Disabilities Act
ADT	average daily traffic
AERMOD	Air Quality Dispersion Modeling
B.O.H	back of house
BAAQMD	Bay Area Air Quality Management District
BART	Bay Area Rapid Transit
BMP	best management practice
BPD	Burlingame Police Department
C/CAG	City/County Association of Governments
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
Caltrans	California Department of Transportation
CAP	criteria air pollutant
CARB	California Air Resources Board
CCFD	Central County Fire Department
CEQA	California Environmental Quality Act
City	City of Burlingame
CMP	Congestion Management Program
CNEL	community noise equivalent level
CO	carbon monoxide
CRHR	California Register of Historical Resources
dB	decibel
dBA	A-weighted decibels
DPM	diesel particulate matter
DSS Model	Decision Support System Model
EIR	environmental impact report
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
ESL	environmental screening level
EVSA	Electric Vehicle Supply Equivalent

EV	electric vehicle
General Plan Draft EIR	City of Burlingame 2040 General Plan Draft EIR
GIS	geographic information system
gpd	gallons per day
gsf	gross-square-foot
HI	Hazard Index
HRA	health risk assessment
HVAC	heating, ventilation, and air-conditioning
IS/MND	Initial Study/Mitigated Negative Declaration
ISG	Individual Supply Guarantee
Ldn	day-night level
Leq	equivalent sound level
LID	Low-impact development
LOS	level of service
LUST	leaking underground storage tank
MEI	maximally exposed individual
MGD	Million gallons per day
Municipal Code	City of Burlingame Municipal Code
NBMU	North Burlingame Mixed Use
NPDES	National Pollutant Discharge Elimination System
NWIC	Northwest Information Center
PM	particulate matter
PM10	PM emissions diameters equal to or less than 10 microns
PM2.5	PM emissions diameters equal to or less than 2.5 microns
PPV	peak particle velocity
Project	1766 El Camino Real Project
PSI	Professional Services, Inc.
R&D	Research & Development
RECs	recognized environmental conditions
SamTrans	San Mateo County Transit District
SFBAAB	San Francisco Bay Area Air Basin
SFO	San Francisco International Airport
SFPUC	San Francisco Public Utilities Commission
SWPPP	Stormwater Pollution Prevention Plan
TAC	toxic air contaminant
TDM	transportation demand management
TIA	Transportation Impact Analysis
TMA	Transportation Management Association
UST	underground storage tank
UWMP	Urban Water Management Plan
VMT	vehicle miles traveled
VOC	volatile organic compound
WWTP	wastewater treatment plant

Section 1
Project Description

1. **Project Title:**

1766 El Camino Real Project

2. **Lead Agency/Sponsor's Name and Address:**

City of Burlingame
Planning Division
501 Primrose Road
Burlingame, CA 94010

3. **Contact Person and Phone Number:**

Catherine Keylon, Senior Planner
Planning Division
501 Primrose Road
Burlingame, CA 94010
(650) 558-7252

4. **Project Location:**

1766 El Camino Real
Burlingame, CA 94010
Assessor's parcel number 025-161-110 (see Figure 1)

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

Carmel Partners
Attn: Greg Pasquali
1000 Sansome Street
San Francisco, CA 94111

6. **General Plan Designation:**

North Burlingame Mixed Use (NBMU)

7. **Zoning:**

North Burlingame Mixed Use (NBMU)

8. **Requested Approvals:**

   a. Design review for construction of an eight-story, 311 multiunit residential development, with a three-level, below-grade parking structure (City of Burlingame Municipal Code [Municipal Code] Section 25.40.020).[1]

[1] The city's new zoning ordinance was adopted by City Council on December 6, 2021, and became effective on January 5, 2022; however, the Proposed Project's application was reviewed and deemed complete consistent with the previous zoning ordinance prior to January 5, 2022.

b. Approval of community benefit bonuses for Tier 3 projects.[2]

c. Tree removal permit.

d. California State density bonus to allow an increase in development density up to 35 percent (California Government Code Section 65915).

e. City of Burlingame density bonus to allow an increase in development density that facilitates the provision of affordable housing (Municipal Code Section 25.63).

f. City of Burlingame density bonus to allow a development density that facilitates the provision of affordable housing (Municipal Code Section 25.63).

Introduction

The 1766 El Camino Real Project (Project) involves one parcel (assessor's parcel number 025-161-110) that covers approximately 1.70 acres in the northern portion of the City of Burlingame (city) (Figure 1). The parcel currently includes surface parking, landscaping, and an approximately 32,625-gross-square-foot (gsf), two-story mixed-use building that is currently vacant. The building was constructed in 1959, with a portion of the western part of the building constructed in 1970. Upon Project implementation, a new eight-story, multiunit residential building would be developed. The Project would include approximately 291,055 gsf of residential space (311 residential units), 50,936 square feet of circulation areas, 14,217 square feet of leasing and amenity areas, and 16,800 square feet of back of house (B.O.H);[3] 25,726 square feet of open space, including common, public, and private open space areas; 319 vehicle parking spaces; and 172 bicycle parking spaces.

An Initial Study/Mitigated Negative Declaration (IS/MND) was previously prepared for a different project at the same location. That IS/MND analyzed the potential impacts from a seven-story mixed-use building with retail space (7,588 square feet), office space (148,057 sf), residential units (60 units), a public plaza, and 385 parking spaces that would be provided in two below-grade levels. To the extent possible, this analysis relies on and/or updates the analysis that was previously prepared for the IS/MND where relevant to the currently Proposed Project.

Existing Setting

The Project site is a single parcel within North Burlingame located at 1766 El Camino Real. The Burlingame Police Department is east and adjacent to the Project site. A convalescent home is north of the Project site, across Trousdale Drive. Mills-Peninsula Hospital is west of the Project site, across El Camino Real. An office building is south of and adjacent to the Project site.[4] Within the vicinity of the Project site are commercial/office uses (Burlingame Plaza is 0.1 mile from the Project site), institutional uses (Mills High School is 0.4 mile from the Project site), and residential uses (single-unit homes are approximately 0.15 mile from the Project site).

[2] The Planning Commission may approve Tier 3 projects if it determines that a project includes at least three community benefits (Municipal Code Section 25.39.030).

[3] B.O.H. includes service spaces, such as staff work rooms, building operations storage, utility closets, etc.

[4] For the purpose of describing the Project site, El Camino Real is assumed to run in a north–south direction and Trousdale Drive in an east–west direction.

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Figure 1
Project Location
1766 El Camino Real Project

In addition, the Project site is approximately 0.45 mile from the Millbrae multimodal transit station, which provides Caltrain, Bay Area Rapid Transit (BART), San Mateo County Transit District (SamTrans), and additional transit and shuttle services.[5] Furthermore, there are two SamTrans bus stops on both sides (i.e., northbound and southbound) of the Trousdale Drive and El Camino Real intersection, adjacent to the Project site. Figure 1 depicts the location of the Project site

Land Use and Zoning

On January 7, 2019, the city adopted its Envision Burlingame Draft General Plan (2040 General Plan), which updated the previous general plan, including the vision, goals, policies, and land use designations, to provide direction as to the city's growth through 2040. The Project site is within the North Burlingame Mixed Use (NBMU) land use designation. According to the 2040 General Plan, the NBMU land use designation creates a high-intensity development node within walking distance of the Millbrae multimodal transit station. Some of the permitted uses for the NBMU land use designation include retail, office, and high-density residential uses.[6]

The Municipal Code was updated to include the new NBMU zoning designation, which implements the 2040 General Plan NBMU designation (Municipal Code Section 25.40). The Project site is within the NBMU zoning designation. The NBMU zone is a transit-oriented development district that accommodates housing at progressively higher densities, based on the level of community benefit provided, with the goal of ensuring that new development adds value for all residents in the city.

Development projects fall into one of three categories, or tiers, ranging from Base Standard Intensity (Tier 1) to Maximum Intensity (Tier 3). The Project is proposed as a Tier 3 project. Tier 3 projects within this zone may reach a maximum of nine stories or 100 feet. Such projects must fulfill specific open space and development standard thresholds, as well as community benefit objectives for development under Tier 3. Within this area, developments must be set back a minimum of 10 feet from the curb along the front (El Camino Real), 10 feet on the sides, and 20 feet at the rear. In addition, developments are subject to streetscape frontage standards, which require at least 60 percent of the structure (along Trousdale Drive) to be located at the streetscape frontage line.

Project Description

The Project would include construction of an eight-story, multiunit residential building and associated amenities on a 1.7-acre site. Specifically, the Project would include the following components.

- 311 apartment units, 22 of which would be designated as affordable housing for very low-income households.[7]
- 14,217 gsf of amenity space.

[5] Caltrain. 2022. *Millbrae Transit Center*. Available: http://www.caltrain.com/stations/millbraetransitcenter.html. Accessed: February 2, 2022.

[6] City of Burlingame. 2019. *Envision Burlingame General Plan*. City Council Hearing Draft. Available: https://www.burlingame.org/departments/planning/general_plan_update.php. Accessed: February 2, 2022.

[7] The BMR housing units would be considered affordable to very low income households, which are those who earn 50 percent of San Mateo County's Area Median Income.

- 319 parking spaces, including 8 Americans with Disabilities Act (ADA)-accessible spaces. In addition, of the 319 parking spaces, 32 parking spaces, would be Level 2 EV ready[8] and 287 parking spaces, would be Level 1 EV ready.[9]
- 156 long-term bicycle spaces in secured bicycle storage rooms, as well as 16 outdoor bicycle parking spaces that would be provided at convenient and well-lit locations around the building, for a total of 172 bicycle parking spaces.
- Open-space areas, including private open space, common open space, and a publicly accessible open space, as well as public street frontage improvements.

Figures 2 through 7 show the proposed site plan, elevations, and renderings.

Site Plan

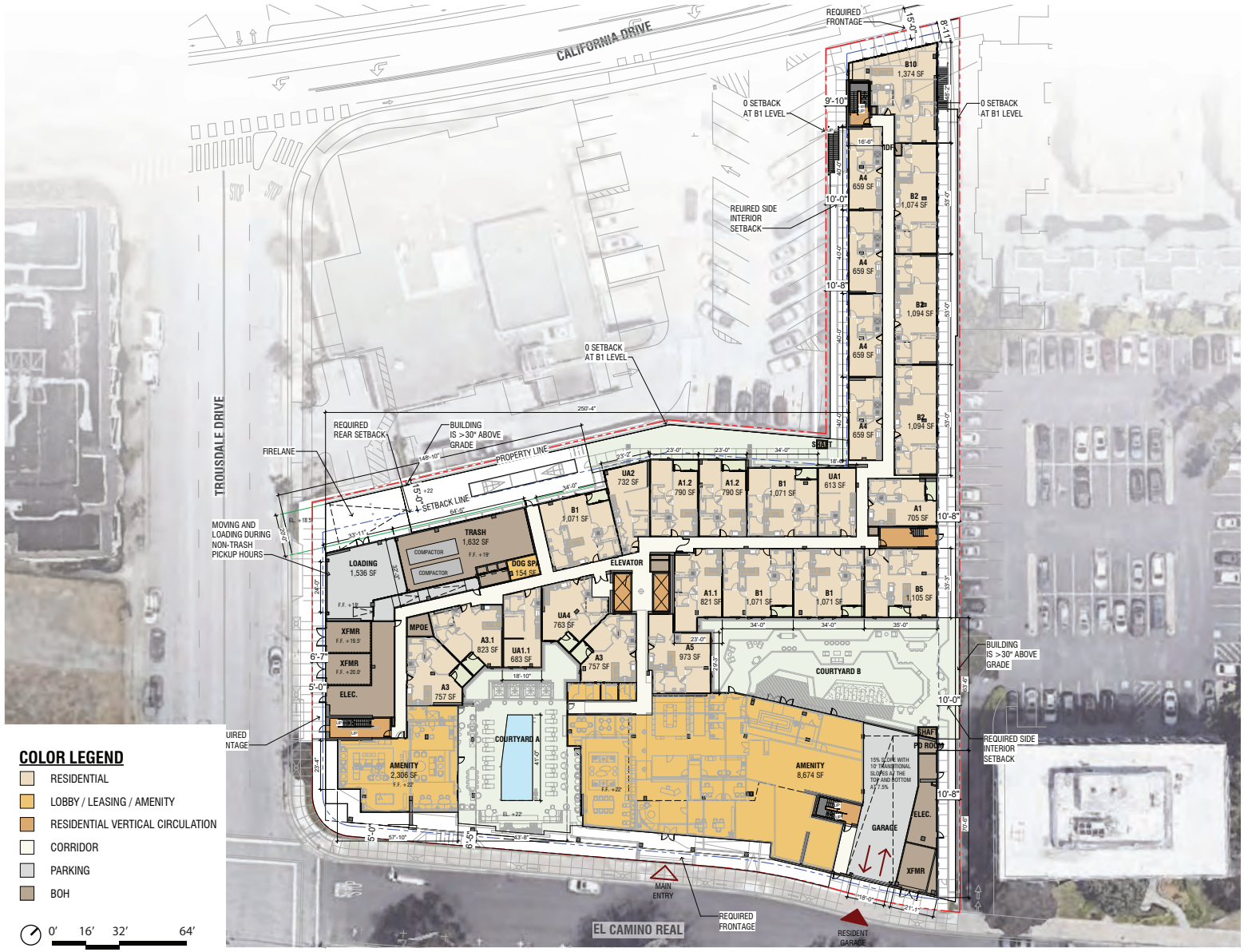
All existing features associated with the Project site would be removed, and an eight-story, multiunit residential building would be constructed. The building would reach a height of 88 feet, 8 inches and include 311 apartment units, 22 of which would be designated as affordable housing units for very low-income households. The housing unit mix would be a combination of studio, one-bedroom, two-bedroom, and three-bedroom units. The units would range from 611 to 1,512 gsf, with an average size of 936 gsf across all units. The building area would total approximately 504,767 gsf (291,055 gsf of residential uses, approximately 50,936 square feet of circulation areas, approximately 16,800 square feet of B.O.H., and approximately 14,217 square feet of leasing/amenity areas). The first, second, and eighth floors would include approximately 11,416 gsf, 1,212, and 1,589 gsf of amenity space, respectively. The three-level below-grade parking garage would total approximately 131,759 gsf.

The building would include approximately 25,726 square feet of open space, including private open space (in the form of decks for the units); common open space, which would be available to residents of the building and consist of two courtyards and a stormwater garden on the first floor, and two decks on the eighth floor; and public open space, which would consist of landscape buffers and an activated streetscape along El Camino Real and Trousdale Drive.

In addition, the Proposed Project would incorporate vehicular and pedestrian access and circulation improvements. Specifically, the Project would functionally reduce the north/south pedestrian crossing length of the El Camino Real and Trousdale Drive intersection, and slow traffic on this segment by adding high-visibility crosswalk striping, bulb-outs at the northeast and southeast corners in conjunction with green plastic traffic posts, and a 6-foot-wide striped median with raised plastic delineators. Furthermore, the Project would implement white delineators, along California Drive to prohibit left turns into and out of the driveway at the Project site along California Drive.

[8] Per the City of Burlingame Ordinance No. 1981, a Level 2 EV ready parking space is a space served by a complete electric circuit with 208/240 volt, 40-ampere capacity including electrical panel capacity, overprotection device, a minimum 1-inch-diameter raceway that may include multiple circuits as allowed by the California Electrical Code, wiring, and either a) a receptacle labelled “Electric Vehicle Outlet” with at least a 0.5-inch font adjacent to the parking space, or b) electric vehicle supply equipment (EVSE) with a minimum output of 40 amperes.

[9] Per the City of Burlingame Ordinance No. 1981, a Level 1 EV ready parking space is a space served by a complete electric circuit with a minimum of 110/120 volt, 20-ampere capacity including electrical panel capacity, overprotection device, a minimum 1-inch diameter raceway that may include multiple circuits as allowed by the California Electrical Code, wiring, and either a) a receptable labelled “Electric Vehicle Outlet” with at least a 0.5-inch font adjacent to the parking space, or b) EVSE.



Source: TCA Architects, 2022.

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Figure 2
Site Plan—Level 1 (Ground Level)
1766 El Camino Real Project

Source: TCA Architects, 2022.

Graphics ... 103179 (5-11-2022) JC

Figure 3
Site Plan—Levels 4-7
1766 El Camino Real Project

Source: TCA Architects, 2022.

Graphics ... 103179 (5-11-2022) JC

Figure 4
Site Plan—Level 8
1766 El Camino Real Project

1. EL CAMINO REAL ELEVATION

2. TROUSDALE DRIVE ELEVATION

Source: TCA Architects, 2022.

0′ 16′ 32′ 64′

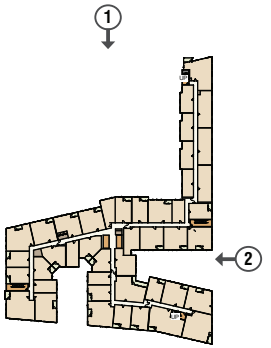
Graphics ... 103179 (5-11-2022) JC

Figure 5

Building Sections and Elevations from El Camino Real and Trousdale Drive

1766 El Camino Real Project

1. CALIFORNIA DRIVE ELEVATION



2. SOUTH ELEVATION

Source: TCA Architects, 2021

0' 16' 32' 64'

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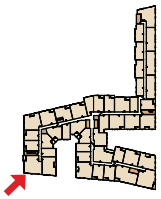
Figure 6
Building Sections and Elevations from California Drive
1766 El Camino Real Project



Source: TCA Architects, 2022.

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Figure 7
Building Rendering from El Camino Real
1766 El Camino Real Project

Based on the proposed number of residential units, the Project applicant would be required to provide a minimum of 388 parking spaces for the residential units.[10] However, with a 20 percent reduction, after implementing a transportation demand management (TDM) plan (see below), the required number of parking spaces would be 311.[11] The Project would include 319 parking spaces for residents, which would fulfill the city's parking requirements. The Project would also include 156 bicycle parking spaces in secured bicycle rooms in the parking garage, as well as 16 on-site bicycle parking spaces, for a total of 172 bicycle parking spaces.

Utilities for the Project, including electricity and water, would connect to existing utility infrastructure. The Project would not use natural gas. The Project site would treat the stormwater on site in accordance with low-impact development treatment measures and mechanical treatment, per the National Pollutant Discharge Elimination System program; treated stormwater would drain through existing storm drain systems and ultimately reach the main storm drain on Trousdale Drive.

Due to the location of the Project next to the Burlingame Police Department, the Project applicant is currently coordinating with the city to determine what infrastructure may be needed, if any, to ensure that the Project does not interfere with Burlingame Police Station communications systems and equipment. For example, a new or relocated antenna may be needed to ensure that the proposed building does not disrupt Police Department communications. If needed, the new or relocated antenna could be installed on the proposed building or on the police station building. The Project includes space within the proposed building roof to include communications equipment. A condition of approval for the Project will require (upon a determination by the City that an antenna or other accessory communications equipment is needed) that the Project allow the City to relocate and/or construct such equipment on the Project site and would further require that such equipment comply with applicable zoning regulations. Temporary communications equipment or other systems installed within the police station could also be needed to ensure there are no interruptions in Burlingame Police communications during the approximately 18-month construction phase as the proposed building is framed and constructed. If the city determines that temporary communications equipment or other communications systems are needed, it would be included as a condition of approval and would ensure that the equipment complies with applicable zoning regulations.

Minor accessory structures and equipment, particularly antennae, are exempt from CEQA under Class 1, Class 3, and Class 11 categorical exemptions. (See *Aptos Residents Assoc. v. County of Santa Cruz* (2018) 20 Cal.App.5th 1039). The new or relocated antennae communications equipment that may be installed during and after Project construction, including any equipment needed temporarily for construction, would be considered such minor accessory structures and/or equipment. As such, the installation of temporary and/or permanent communications equipment located at either the Project building or the police station are exempt from CEQA.

Transportation Demand Management

TDM measures would be implemented as a part of the Project to reduce the number of single-occupant vehicle trips generated by the Project. A TDM plan has been prepared for the Project that

[10] Per Municipal Code Section 25.40.030, 1 parking space is required for each one-bedroom unit and studio, 1.5 parking spaces are required for two-bedroom units, and 2 parking spaces are required for three-bedroom units; there are no requirements for guest parking. The Project would include 37 studios, 137 one-bedroom, 120 two-bedroom, and 17 three-bedroom units. The following calculation was made to determine that 388 parking spaces would be required: 388 parking spaces = (1 × 37) + (1 ×137) + (1.5 × 120) + (17 × 2).

[11] Implementation of the TDM Plan would reduce the parking requirement by 20 percent, as follows:

311 spaces = 388 - (388 × 20 percent)

includes design features, programs, and services that promote sustainable modes of transportation. The TDM plan is include as Appendix A of this document. Proposed TDM measures, as described in greater detail in Appendix A, include the following.

- Resources that encourage alternative modes of transportation, such as schedules and route maps.
- Bicycle resources, including secure bicycle storage, free bike buddy matching, and bicycle maps.
- Pedestrian facilities, including sidewalk frontage improvements, and ADA–compliant ramps along Trousdale Drive and El Camino Real, as well as recreational facilities.
- An on-site Transportation Coordinator.
- Information and promotions, including an online kiosk or resident application, information packets for new residents, and certified participation in Commute.org or a Transportation Management Association (TMA).
- Facilitation of carpool and vanpool programs, including on-site ride-matching assistance and carpool/vanpool incentives.
- High-bandwidth internet connection to facilitate telecommuting.
- On-site amenities, including a residential fitness center, two courtyards, and charging stations for EVs.
- TDM administration, monitoring, and reporting.
- Building Design and Lighting

Building Design and Lighting

Given the height of the building (eight stories), the Project would be visible from adjacent streets in the vicinity. The ground floor (level 1), level 2, and level 8 of the building would support a mix of amenity and residential uses, while levels 1 through 7 would support residential uses. The below-grade parking structure would be accessible from California Drive and would be screened from street view. The building exterior would be composed of stucco, cement panels, metal railing, and glass railing. Exterior designs would reflect, as well as enhance, the urban mixed-use character of the surrounding neighborhood. Exterior lighting would be limited to landscape, safety, and circulation lighting. All exterior lighting for the Project would comply with Municipal Code Section 18.16.030.

Landscaping and Open Space

A total of 24trees were documented on the Project site including eucalyptus (*Eucalyptus globulus*), gingko (*Ginkgo biloba*), evergreen pear (*Pyrus kawakamii*), cherry, maple, Monterey pine (*Pinus radiata*), and palm trees. According to the Aesculus Arboricultural Consulting Tree Report dated December 16, 2021 (Appendix B), there are 11 protected trees on and adjacent to the Project site including seven Monterey pines, two silver dollar gums (*Eucalyptus polyanthemos*), one coast live oak (*Quercus agrifolia*), and one queen palm (*Syagrus romanzoffiana*). Of those trees, three Monterey pines were identified as being in poor condition, while the remaining nine trees were identified as being in moderate to good condition. All of the existing 24 on-site trees, including the 11 protected trees, would be removed upon Project implementation.

To compensate for the removal of protected trees, Municipal Code Section 11.06.090 requires trees to be planted at a ratio of 3:1 when using 15-gallon trees, 2:1 when using 24-inch trees, and 1:1 when using 36-inch trees. The Project would include planting 40 trees throughout the site and nearby streetscapes in areas that would be accessed by residents and the public. In addition, the Project would improve sidewalks on the El Camino Real and Trousdale Drive frontages through widening and landscaping.

The Project would include approximately 25,726 square feet of total open space, where the zoning code requires 31,100 square feet of common open space; the Project applicant is requesting a waiver to this development standard under the State Density Bonus. Approximately 337 square feet of publicly accessible open space would be provided in the form of an activated streetscape along El Camino Real and Trousdale Drive, a shuffleboard court, as well landscaped buffers around the perimeter of the proposed building. The activated streetscape would include bicycle parking, social spaces, decorative walls, benches, landscaping, and integrated seat walls. For residents of the Project, approximately 12,230 square feet of private open space would be provided in the form of decks for the residential units, and approximately 11,309 square feet of common open space would be provided in the form of two courtyards and two roof decks. In addition, an approximately 1,850 square feet stormwater garden would be available to residents on the ground floor. There would be approximately 82.72 square feet of open space per unit (combined private/common) where 100 square feet per unit is required by code.

Remediation

A Phase I Environmental Site Assessment (ESA) and a Limited Phase II ESA were conducted for the Project site. The subsurface environmental investigations[12] for both the Phase I ESA[13] and the Limited Phase II ESA[14] are included as Appendix C to this document.

The Phase I ESA for the 1766 El Camino Real parcel did not identify any significant concerns associated with the Project site, and did not identify the Project site as having any releases of hazardous materials or violations. However, nearby off-site properties with some potential to affect the Project site were identified. The adjoining property at 1111 Trousdale Drive (Burlingame Police Department) was identified on numerous environmental databases associated with this property's former operation of two underground storage tanks (USTs): one 12,000-gallon gasoline UST and one 4,000-gallon diesel UST. According to the databases, there was an unauthorized release of gasoline from the 12,000-galllon UST that affected the subsurface. Remedial action took place, groundwater monitoring wells were installed, and approximately 600 cubic yards of soil were excavated.

The Limited Phase II ESA was conducted to evaluate potential contaminants at the property that may affect the parcel. The investigation included soil and groundwater sampling. The Limited Phase II ESA found that no volatile organic compounds (VOCs) were detected in any of the soil samples collected, but that elevated concentrations of petroleum hydrocarbons from diesel,

[12] Geosyntec Consultants. 2022. *Limited Soil Vapor Investigation and Health Risk Assessment: 1766 El Camino Real, Burlingame, California*. February 14.

[13] Professional Service Industries, Inc. 2021. *Phase I Environmental Site Assessment Report, Commercial Building, 1766 El Camino Real, Burlingame, California, 94010*. July 1.

[14] Professional Service Industries, Inc. 2021. *Subsurface Investigation Report. Office Building, 1766 El Camino Real, Burlingame, California*. July 22.

tetrachloroethene, and methyl butyl ether were found in the groundwater. These elevated concentrations exceeded environmental screening levels (ESLs). Given the results of the Limited Phase II ESA investigation, a soil vapor investigation was recommended to confirm that the vapor concentrations are below regulatory limits.

Consequently, a limited soil vapor investigation and health risk assessment was conducted for the Project site and included soil vapor probe installation, sample collection, and analysis. The limited soil and groundwater investigation concluded that considering the proposed development plans and the existing environmental condition of the Project site, the health risk from vapor intrusion into indoor air (residential users) and trench air (construction workers) is below the *de minimis* risk level for chemicals detected in soil vapor and groundwater. Because the health risk is below the *de minimis* risk level, mitigation measures are not warranted to address VOCs in soil vapor or groundwater.

Construction Schedule and Phasing

The proposed construction methods are considered conceptual and subject to review and approval by the city. For the purposes of this environmental document, the analysis considers the following construction plan.

Project construction is expected to commence in June 2023, and continue through November 2025. Project construction would occur during the hours permitted by Municipal Code Section 18.07.110. The current construction hours are as follows.

- Weekdays: 8:00 a.m.–7:00 p.m.
- Saturdays: 9:00 a.m.–6:00 p.m.
- Sundays and holidays: No construction allowed

The Project would be constructed in six phases starting in June 2023, and ending in November 2025. In total, it is anticipated that Project construction would have a duration of approximately 30 months, as follows.

- Demolition: 45 work days
- Site preparation: 111 work days
- Grading: 111 work days
- Building construction: 513 work days
- Paving: 67 work days
- Architectural coating: 135 work days

Construction Equipment and Staging

Equipment used during Project construction would include excavators, dump trucks, backhoes, a bobcat, a drill rig, a tie back rig, bulldozers, pumps, compactors, a mobile crane, a manlift, a grader, and a paving machine. Potential construction laydown and staging areas would be located on the Project site. There would be no pile driving during Project construction. Excavation would reach a maximum depth of 33 feet, with an average excavation depth of 26 feet.

The Project applicant has committed to ensuring that all off-road diesel-powered equipment used during construction will be equipped with U.S. Environmental Protection Agency (EPA) Tier 4 Final engines. In addition, the Project applicant has committed to developing and adhering to a Construction Noise Control Plan. This plan would include measures such as:

- Using smaller equipment with lower horsepower or reducing the hourly utilization rate of equipment used on the site to reduce noise levels at 50 feet to the allowable level.
- Locating construction equipment as far as feasible from noise-sensitive uses.
- Requiring that all construction equipment powered by gasoline or diesel engines have sound control devices that are at least as effective as those originally provided by the manufacturer and that all equipment be operated and maintained to minimize noise generation.
- Prohibiting gasoline or diesel engines from having unmuffled exhaust systems.
- Not idling inactive construction equipment for prolonged periods (i.e., more than 5 minutes).
- Using "quiet" gasoline-powered compressors or electrically powered compressors and electric rather than gasoline- or diesel-powered forklifts for small lifting.

Section 2
CEQA Exemption

Article 19 of the California Environmental Quality Act (CEQA) Guidelines, Sections 15300 to 15333, identifies classes of projects that do not have a significant effect on the environment and, therefore, are exempt from review under CEQA.

Class 32 (Infill Development)

Among the classes of projects that are exempt from CEQA review are those that are specifically identified as urban infill development. CEQA Guidelines Section 15332 states that the term *infill development* (or the Class 32 exemption) is applicable to projects that meet the following conditions:

(a) The project is consistent with the applicable general plan designation and all applicable general plan policies as well as applicable zoning designations and regulations.

(b) The proposed development occurs within the city limits, on a project site that is no more than 5 acres and surrounded by urban uses.

(c) The project site has no value as habitat for endangered, rare, or threatened species.

(d) Approval of the project would not result in any significant effects related to traffic, noise, air quality, or water quality.

(e) The site can be adequately served by all required utilities and public services.

The analysis presented in the following section provides substantial evidence that the Project qualifies for an exemption under CEQA Guidelines Section 15332 as a Class 32 urban infill development and would not have a significant effect on the environment.

Exemptions

Even if a project is ordinarily exempt under the potential categorical exemptions, CEQA Guidelines Section 15300.2 provides specific instances where exceptions to otherwise applicable exemptions apply. Exceptions to a categorical exemption apply in the following circumstances, effectively nullifying a CEQA categorical exemption:

(a) Location. Classes 3, 4, 5, 6, and 11 are qualified by consideration of where the project is to be located. A project that is ordinarily insignificant in its impact on the environment may, in a particularly sensitive environment, be significant. Therefore, these classes are considered to apply in all instances, except when the project may affect an environmental resource of hazardous or critical concern where designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies.

(b) Cumulative Impact. All exemptions for these classes are inapplicable when the cumulative impact of successive projects of the same type and in the same place over time is significant.

(c) Significant Effect. A categorical exemption shall not be used for an activity when there is a reasonable possibility that the activity will have a significant effect on the environment due to unusual circumstances.

(d) Scenic Highways. A categorical exemption shall not be used for a project that may result in damage to scenic resources, including, but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway that has been officially designated as a state scenic highway. This does not apply to improvements that are required as mitigation by an adopted negative declaration or certified environmental impact report (EIR).

(e) Hazardous Waste Sites. A categorical exemption shall not be used for a project located on a site that is included on any list compiled pursuant to Section 65962.5 of the Government Code.

(f) Historical Resources. A categorical exemption shall not be used for a project that may cause a substantial adverse change in the significance of a historical resource.

The analysis that follows presents substantial evidence to demonstrate that no exceptions apply to the Project or its site, the Project would not have a significant effect on the environment and, therefore, the Class 32 exemption remains applicable.

Section 3
CEQA Exemption Checklist

Introduction

The following analysis provides substantial evidence to support the conclusion that the Project qualifies for an exemption under CEQA Guidelines Section 15332 as a Class 32 urban infill development and, therefore, would not have a significant effect on the environment.

Criterion Section 15332(a): General Plan and Zoning Consistency

	Yes	No
The project is consistent with the applicable general plan designation and all applicable general plan policies as well as with applicable zoning designation and regulations.	☒	☐

According to the Envision Burlingame General Plan (2040 General Plan), the Project site is within an area that has an NBMU land use designation, which creates a high-intensity development node within walking distance of the Millbrae multimodal transit station. Some of the permitted uses for the NBMU land use designation include retail, office, and high-density residential uses.[15] Because the Project is a multi-unit residential development with residential and amenity space within walking distance of public transportation options, it would be consistent with the designated land use and zoning. Furthermore, as stated in Section 1, *Project Description,* development projects fall into one of three categories, or tiers, ranging from Base Standard Intensity (Tier 1) to Maximum Intensity (Tier 3). The Project is proposed as a Tier 3 (Maximum Intensity) project. Tier 3 projects within this zone may reach a maximum of nine stories or 100 feet. However, the Project qualifies for a housing density bonus, consistent with California's Density Bonus Law[16] and the city's Density Bonus Ordinance (Municipal Code Section 25.33.010), because it would include 22 below-market-rate housing units (for very low-income households), placing it above the required 5 percent.

The Project qualifies for a housing density bonus of 30 percent (72 additional housing units) above and beyond the 140 residential units per acre permitted in NBMU Tier 3 developments.[17] With the housing density bonus, a total of 311 units are allowed at the Project site. The Project is proposing

[15] City of Burlingame. 2019. *Envision Burlingame General Plan*. City Council Hearing Draft. Available: https://www.burlingame.org/departments/planning/general_plan_update.php. Accessed: March 25, 2022.

[16] State of California. 2020. *California Government Code Title 7, Division 1, Chapter 4.3: Density Bonuses and Other Incentives* [65915–65918]. Available: http://leginfo.legislature.ca.gov/faces/codes_displaySection.xhtml?sectionNum=65915.&lawCode=GOV. Accessed: June 8, 2020.

[17] According to California's Density Bonus Law housing developments with 9 percent very low income housing units, can use a 30 percent density bonus. The following calculations were used to determine the total number of units permitted with the density bonus:

- Permitted Units for Tier 3 Projects without Density Bonus: 1.704 acres x 140 units/acre = 239 units
- Density Bonus Units Permitted: 30%
- Number of Units Permitted with Density Bonus: 239 units x 30% = 72 units
- Total Number of Units Permitted: 239 units + 72 units = 311 units

the development of 311 units; therefore, the Project is consistent with the NBMU standard for maximum density, after consideration of the density bonus that is allowed.

Municipal Code Section 25.33.010(A) identifies the following: "All applicable provisions of the density bonus law are hereby incorporated by reference and shall be the default law unless otherwise provided by this Chapter." California's Density Bonus Law (Section 65915(d)) identifies that an applicant for a density bonus may submit to a city a proposal for specific incentives or concessions that the applicant requests. The NBMU zoning designation includes development standards for building setbacks, lot coverage (80 percent), building height (100 feet for properties on the east side of El Camino Real), open space (minimum of 100 sf per housing unit), and landscaping (minimum 10 percent landscape coverage). The Project would comply with the height and landscaping requirements; however, the building setbacks (along the side yard and corner of El Camino Real and Trousdale Drive), lot coverage (88 percent), and open space (25,726 sf where 31,000 sf is required) are above or below what is allowed in the development standards under the NBMU zoning designation. However, if a project uses a density bonus, California's Density Bonus Law and zoning code allows for a waiver or modification. The Project applicant would obtain a waiver/modification to the development standards, consistent with California's Density Bonus Law.

In addition, based on the proposed number of residential units, the Project applicant would be required to provide a minimum of 388 parking spaces for the residential units.[18] However, with a 20 percent reduction, after implementing the TDM plan, the required number of parking spaces would be 311.[19] The Project would include 319 parking spaces for residents, which would fulfill the city's parking requirements.

Given the above, the Project meets the criteria of CEQA Guidelines Section 15332(a) and is consistent with the 2040 General Plan and applicable zoning regulations for the site.

Criterion Section 15332(b): Project Location, Size, and Context

	Yes	No
The proposed development occurs within city limits on the project site of no more than 5 acres substantially surrounded by urban uses.	☒	☐

The Project site is within the incorporated limits of the City of Burlingame. The site comprises one parcel (1766 El Camino Real) approximately 1.70 acres in size, in the northern portion of the city. The parcel includes surface parking, landscaping, and an approximately 32,625-gsf, two-story mixed-use building that is currently vacant. The Burlingame Police Department is east and adjacent to the Project site, a convalescent home is to the north across Trousdale Drive, Mills-Peninsula Hospital is to the west across El Camino Real, and an office building is to the south of and adjacent to the Project site (Figure 1). CEQA defines a qualified urban use as "…any residential, commercial, public institutional, transit or transportation passenger facility, or retail use, or any combination of

[18] Per Municipal Code Section 25.40.030, 1 parking space is required for each one-bedroom unit and studio, 1.5 parking spaces are required for two-bedroom units, and 2 parking spaces are required for three-bedroom units; there are no requirements for guest parking. The Project would include 37 studios, 137 one-bedroom, 120 two-bedroom, and 17 three-bedroom units. The following calculation was made to determine that 388 parking spaces would be required: 388 parking spaces = (1 × 37) + (1 ×137) + (1.5 × 120) + (17 × 2).

[19] Implementation of the TDM Plan would reduce the parking requirement by 20 percent, as follows:
311 spaces = 388 - (388 × 20 percent)

those uses."[20] Given these facts, the Project adheres to the criteria of CEQA Guidelines Section 15332(b) as a site of no more than 5 acres that is substantially surrounded by urban uses.

Criterion Section 15332(c): Endangered, Rare, or Threatened Species

	Yes	No
The project site has no value as habitat for endangered, rare, or threatened species.	☒	☐

The Project site has one mixed-use building but is otherwise completely covered with paved surface parking, except for limited landscaped vegetation. The Project site is in the North Burlingame neighborhood, which has been fully developed to support retail, office, and high-density residential uses. This area is not known to support substantial natural vegetation community resources or substantial high-quality habitat resources for any special-status species.[21] Because the Project site is completely developed, it does not contain natural land cover or communities, protected wetlands, and waters,[22] riparian habitat, or other sensitive natural communities.[23] The on-site ornamental vegetation is not considered a sensitive natural community. No water features or waterways are on or within the vicinity of the Project site. The nearest public parks, Village Park and Ray Park, are approximately 0.4 mile south and 0.5 mile west of the Project site, respectively. The nearest water bodies, a concrete channel (El Portal Canal) and Mills Creek, are approximately 0.25 mile north and 0.5 mile south of the Project site, respectively. Therefore, it is unlikely that any special-status species are likely to occur on the Project site because no suitable habitat is present.

A total of 24 trees would be removed from the Project site, 11 of which are identified as protected heritage-sized trees (Appendix B). Of those trees, three Monterey pines were identified as being in poor condition, while the remaining nine trees were identified as in moderate to good condition. These trees do not support suitable roosting habitat for special-status bats but do, however, provide foraging areas and nesting areas for migratory birds. In addition, the Project would plant 40 trees throughout the site and nearby streetscapes to compensate for the removal of the 24 trees in accordance with Burlingame Municipal Code Section 11.06.090. The following policies from the 2040 General Plan, as well as city requirements regarding the removal of protected trees,[24] would be applicable to the Project during the construction period. Compliance with these 2040 General Plan policies during construction would ensure that the Project would result in ***less-than-significant*** impacts on trees and wildlife species that use the trees, including migratory birds.

Policy HP-5.2: Migratory Birds. Identify and protect habitats that contribute to the healthy propagation of migratory birds, including trees and natural corridors that serve as stopovers and nesting places. Avoid construction activities that involve tree removal between March and June,

[20] Governor's Office of Planning and Research. 2019. *California Environmental Quality Act Statutes and Guidelines*. Section 21072. p. 8. Accessed: March 25, 2022.

[21] City of Burlingame. 2018. *Draft Environmental Impact Report for the Envision Burlingame 2040 General Plan*. Available: https://www.burlingame.org/departments/planning/general_plan_update.php. Accessed: April 1, 2022.

[22] U.S. Fish and Wildlife Service. 2022. *National Wetland Inventory Wetland Mapper*. Available: https://www.fws.gov/wetlands/. Accessed: April 1, 2022.

[23] California Department of Fish and Wildlife. 2019. *California Sensitive Natural Communities*. November 8. Available: https://www.wildlife.ca.gov/Data/VegCAMP/Natural-Communities. Accessed: March 31, 2020.

[24] City of Burlingame Department of Parks and Recreation. 2021. Private Protected Tree FAQ. Available: https://www.burlingame.org/burlingameparksandrecs/trees/private_protected_tree_faq.php. Accessed: March 31, 2022.

unless a bird survey has been conducted to determine that the tree is unused during the breeding season by avian species protected under California Fish and Game Codes 3503, 3503.5, and 3511.

Policy HP-5.5: Protection and Expansion of Tree Resources. Continue to preserve and protect valuable native trees and introduce species that contribute to the urban forest but allow for the gradual replacement of trees for ongoing natural renewal. Consider replacement with native species. Use zoning and building requirements to ensure that existing trees are integrated into new developments.

Policy HP-5.6: Tree Preservation Ordinance. Continue to adhere to the Burlingame Tree Preservation Ordinance (Burlingame Municipal Code Title 11); ensure the preservation of protected trees, as designated by the ordinance; and continue to be acknowledged by the Arbor Day Foundation as a Tree City USA.

Policy HP-5.7: Urban Forest Management Plan. Continue to update and use the Burlingame Urban Forest Management Plan, which integrates environmental, economic, political, historical, and social values for the community for guidance on BMPs related to tree planting, removal, and maintenance, including onsite protection of extant trees and street trees during projects.

Policy HP-5.14: Compliance with Environmental Laws. Ensure that all projects affecting resources of regional concern satisfy regional, state, and federal laws.

Given the above, the Project adheres to the criteria of CEQA Guidelines Section 15332(c) as a site that has no suitable habitat for endangered, rare, or threatened species and would mitigate the potential impacts on migratory birds and the removal of trees.

Criterion Section 15332(d): Transportation

	Yes	No
Approval of the project would not result in any significant effects related to transportation.	☒	☐

Setting

A Transportation Impact Analysis (TIA) was prepared for the Project by Hexagon Transportation Consultants in June 2020, for a different project at the same location. That TIA analyzed the potential impacts from a seven-story mixed-use building with retail space, office space, residential uses, a public plaza, and 385 parking spaces. To the extent possible, this analysis relies on the previously prepared TIA (included in this document as Appendix D), and supplements it with the updated March 2022 traffic analysis (also included in Appendix D). The TIA describes existing and future conditions for transportation with and without the Project. In addition, the TIA includes information on regional and local roadway networks, pedestrian and transit conditions, and transportation facilities associated with the Project. For a more detailed analysis, including all tables and figures, please refer to Appendix D.

Senate Bill 743, which was codified in Public Resources Code section 21099, resulted in changes to the CEQA Guidelines. Public Resources Code Section 21099 identifies vehicle miles traveled (VMT) as the appropriate metric to measure transportation impacts. Public Resources Code Section 21099 also identifies that level of service (LOS) or similar measures of vehicular capacity or traffic congestion would no longer be considered a significant impact on the environment. Therefore, this analysis focuses on the potential impacts on VMT.

Trip Generation

For analysis of the Project, the TIA assumed trip generation rates for the proposed 311 new residential units at 1766 El Camino Real.[25] The Project would generate 1,412 new daily vehicle trips with 115 additional trips (26 inbound and 89 outbound) occurring during the AM Peak Hour and 121 trips (74 inbound and 47 outbound) occurring during the PM Peak Hour. This is a conservative estimate because it does not include a reduction in the number of trips taken due to the Project's proximity to the Millbrae multimodal transit station, approximately 0.45 mile away, or due to the Project's TDM program. In addition, the trip generation estimates show that the Project would generate fewer trips than the previously analyzed project in the same location. Therefore, it can be assumed that the TIA conducted for the previous project would cover the potential impacts associated with this Proposed Project. As such, this document uses the analysis identified in the TIA for the previous project.

Vehicle Miles Traveled

The Project site would be located off El Camino Real, which is considered a high-quality transit corridor. In addition, the Project site would be located 0.45 mile from the Millbrae multimodal transit station, which is considered a major transit stop. CEQA Guidelines Section 15064.3, subdivision (b)(1), notes that "generally, projects within one-half mile of either an existing major transit stop or a stop along an existing high-quality transit corridor should be presumed to cause a less-than-significant transportation impact." Because the Project would be located on a high-quality transit corridor and within 0.5 mile of an existing major transit stop, the Project would not conflict with CEQA Guidelines Section 15064.3, subdivision (b). Therefore, the Project would not result in a substantial effect on VMT and would have a ***less-than-significant*** impact on VMT.

Roadway Segments

As the Congestion Management Agency for San Mateo County, the City/County Association of Governments (C/CAG) is responsible for maintaining the performance and standards of the Congestion Management Program (CMP) roadway network. Per CMP technical guidelines, all new developments estimated to add a least 100 net peak hour trips to the CMP roadway network are required to implement TDM measures in accordance with the C/CAG CMP checklist that would reduce the Project's impacts. As identified in Section 1, *Project Description*, the Project applicant would implement TDM measures that would reduce net peak hour trip generation. The TIA, which is included as Appendix D to this document, identifies the Project TDM measures that satisfy C/CAG requirements and result in 169 peak hour trip credits.[26] Therefore, the Project would result in ***less-than-significant*** impacts on roadway segments.

[25] Standard trip generation rates typically come from an Institute of Transportation Engineers publication titled *Trip Generation Manual* (11th edition [2021]). Project trip generation was estimated by applying the appropriate trip generation rates obtained from the *Trip Generation Manual* to the size and uses of the development. The average trip generation rates for "Multi-Family Housing Mid-Rise" (Land Use 221) were applied to the Project. Trips from the previously proposed mixed-use development were taken from the completed TIA.

[26] See TDM discussion on pages 49 through 51 of the TIA.

Access and Circulation

The Project would include a two-and-a-half-level underground parking garage with 319 parking spaces. The parking garage would be accessible from two driveways: one on El Camino Real and one on California Drive. Some minor queueing could occur along California Drive; however, the maximum queue is not expected to affect on-site circulation (Appendix D). City staff determined it would be appropriate to allow only right turns in and out, along the California Drive garage access driveway to minimize queueing, which is particularly important given the proximity to the Burlingame Police Department and potential impacts on emergency vehicles. In coordination with the city, the Project applicant agreed to use white delineators, along California Drive to prohibit left turns into and out of the driveway at the Project site along California Drive.

Access points for parking facilities are required to be free and clear of obstructions to provide adequate sight distance in accordance with the California Department of Transportation (Caltrans) stopping sight distance standards, thereby ensuring that drivers see pedestrians on the sidewalk, as well as bicycles and other vehicles. The California Drive driveway would be located 260 feet south of Trousdale Drive. However, because no roadway curve or on-street parking is present on California Drive between Trousdale Drive and the driveway that would obstruct the vision of exiting drivers, vehicles exiting the driveway would be able to see approaching traffic beyond Trousdale Drive with an adequate sigh distance (i.e., greater than 300 feet) for the southbound through traffic. Vehicles turning from Trousdale Drive to southbound California Drive are expected to travel with lower speed while making turns. Therefore, the sight distance for traffic turning from Trousdale Drive (i.e., 260 feet) is adequate. In addition, at the El Camino Real frontage road driveway, no roadway curve or on-street parking is present to the left side of the driveway that would obstruct the vision of exiting drivers. Therefore, vehicles exiting the driveway would be able to see approaching traffic on the frontage road with an adequate sight distance (i.e., greater than 200 feet). Further, any landscaping, signage, or above-ground transformers would be required to be installed to ensure an unobstructed view for drivers when exiting the site. Because the Project driveways would meet Caltrans standards for stopping sight distance, the Project's impacts related to access and circulation at the Project site would be ***less than significant***.

Bicycle and Pedestrian Facilities

Bicycle lanes and routes within the Project vicinity include north–south bicycle connections along El Camino Real, north of Millbrae Avenue, and California Drive with connectivity to Millbrae multimodal transit station, and east–west bicycle connections along Trousdale Drive and Broadway with connectivity to the San Francisco Bay Trail. In addition, there are some planned bicycle facilities in the Project area, including a Class III bike route along Millbrae Avenue between Old Bayshore Highway and California Drive. The Project would include 156 bicycle parking spaces in an access-controlled bicycle room, as well as 16 on-site bicycle parking spaces, for a total of 172 bicycle parking spaces. The Project would not remove any bicycle facilities, nor would it conflict with any adopted plans or policies for new bicycle facilities, thus resulting in ***less-than-significant*** impacts.

Pedestrian facilities in the vicinity consist of sidewalks, crosswalks, and signals at intersections. The Project is expected to increase the number of pedestrians using the sidewalks and crosswalks in the area. There are existing crosswalks in the Project vicinity at the intersections of Trousdale Drive, California Drive, El Camino Real Murchison Drive, and Millbrae Avenue. The east leg of the El Camino Real frontage road at the intersection of Trousdale Drive has a north/south pedestrian crosswalk that is approximately 87 feet long. This crosswalk is not signal controlled. Vehicular

traffic frequently travels at high speeds on Trousdale Drive, which combined with multiple turn movements from El Camino Real, and its frontage road creates a challenging pedestrian crossing. However, the Project would incorporate pedestrian-realm expansions and improvements, including reconstructing the sidewalks along the Project frontages of El Camino Real, Trousdale Drive, and California Drive, as well as the opposite side of Trousdale Drive frontage and the northbound segment of El Camino Real, just north of the El Camino Real/Trousdale Drive intersection. Specifically, the Project proposes to functionally reduce the north/south pedestrian crossing length of the El Camino Real and Trousdale Drive intersection, and slow traffic on this segment by adding high-visibility crosswalk striping, introducing bulb-outs at the northeast and southeast corners in conjunction with green plastic traffic posts, and introducing a 6-foot-wide striped median with raised plastic delineators. These improvements would increase visibility of the crossing and narrow the vehicular lanes of the roadway, causing motorists to slow down and be more conscious of pedestrian crossings. In addition, these improvements would shorten the pedestrian crossing from one 87-foot-long unprotected crossing, into two segments of 22-foot lanes and one 6-foot striped median for pedestrian refuge. Because the Project would improve pedestrian infrastructure in the area, compared with existing conditions, impacts would be ***less than significant***.

Transit

The Project would be approximately 0.45 mile from the Millbrae multimodal transit station, which supports BART, Caltrain, SamTrans, and commuter buses. Given the Project site's proximity to transit services, it could be expected that a portion of the trips by residents would be made by public transit or nearby private commuter shuttles. It is estimated that the Project would generate approximately 35 new transit riders during peak hours. These new riders may use BART, Caltrain, the Burlingame-Bayside BART/Caltrain Shuttle, or commuter shuttle services. According to the TIA, existing transportation services have adequate capacity to accommodate this increase in ridership. The Project would not remove any transit facilities, nor would it conflict with any adopted plans or policies associated with new transit facilities, resulting in ***less-than-significant*** impacts.

Criterion Section 15332(d): Noise

	Yes	No
Approval of the project would not result in any significant effects related to noise.	☒	☐

Overview of Noise and Sound

Noise is commonly defined as unwanted sound that annoys or disturbs people and potentially causes an adverse psychological or physiological effect on human health. Because noise is an environmental pollutant that can interfere with human activities, an evaluation of noise is necessary when considering the environmental impacts of a project.

Sound is characterized by various parameters, including the rate of oscillation of sound waves (frequency), the speed of propagation, and the pressure level or energy content (amplitude). In particular, the sound pressure level is the most common descriptor used to characterize the loudness of an ambient (existing) sound level. Although the decibel (dB) scale, a logarithmic scale, is used to quantify sound intensity, it does not accurately describe how sound intensity is perceived by human hearing. The human ear is not equally sensitive to all frequencies in the entire spectrum; therefore, noise measurements are weighted more heavily toward frequencies to which humans are sensitive through a process referred to as A-weighting.

Human sound perception, in general, is such that a change in sound level of 1 dB cannot typically be perceived by the human ear, a change in sound level of 3 dB is just noticeable, a change of 5 dB is clearly noticeable, and a change of 10 dB is perceived as doubling or halving the sound level. A doubling of actual sound energy is required to result in a 3 dB (i.e., barely noticeable) increase in noise; in practice, this means that the volume of traffic on a roadway typically needs to double to result in a noticeable increase in noise.[27]

The decibel level of a sound decreases (or attenuates) exponentially as the distance from the source of that sound increases. For a point source, such as a stationary compressor or construction equipment, sound attenuates at a rate of 6 dB per doubling of distance. For a line source, such as free-flowing traffic on a freeway, sound attenuates at a rate of 3 dB per doubling of distance. Atmospheric conditions, including wind, temperature gradients, and humidity, can change how sound propagates over distance and affect the level of sound received at a given location. The degree to which the ground surface absorbs acoustical energy also affects sound propagation. Sound that travels over an acoustically absorptive surface, such as grass, attenuates at a greater rate than sound that travels over a hard surface, such as pavement. The increased attenuation is typically in the range of 1 to 2 dB per doubling of distance. Barriers, such as buildings and topography that block the line of sight between a source and receiver, also increase the attenuation of sound over distance.

In urban environments, simultaneous noise from multiple sources may occur. Because sound pressure levels, in decibels, are based on a logarithmic scale, they cannot be added or subtracted in the usual arithmetical way. Adding a new noise source to an existing noise source, with both producing noise at the same level, will not double the noise level. If the difference between two noise sources is 10 A-weighted decibels (dBA) or more, the higher noise source will dominate, and the resultant noise level will be equal to the noise level of the higher noise source. In general, if the difference between two noise sources is 0 to 1 dBA, the resultant noise level will be 3 dBA higher than the higher noise source, or both sources if both are equal. If the difference between two noise sources is 2 to 3 dBA, the resultant noise level will be 2 dBA above the higher noise source. If the difference between two noise sources is 4 to 10 dBA, the resultant noise level will be 1 dBA higher than the higher noise source.

Community noise environments are generally perceived as quiet when the 24-hour average noise level is below 45 dBA, moderate in the 45 to 60 dBA range, and loud above 60 dBA. Very noisy urban residential areas are usually around 70 dBA, community noise equivalent level (CNEL). Along major thoroughfares, roadside noise levels are typically between 65 and 75 dBA CNEL. Incremental increases of 3 to 5 dB to the existing 1-hour equivalent sound level (L_{eq}), or to the CNEL, are common thresholds for an adverse community reaction to a noise increase. However, there is evidence that incremental thresholds in this range may not be adequately protective in areas where noise-sensitive uses are located and the CNEL is already high (i.e., above 60 dBA). In these areas, limiting noise increases to 3 dB or less is recommended.[28] Noise intrusions that cause short-term interior noise levels to rise above 45 dBA at night can disrupt sleep. Exposure to noise levels greater than 85 dBA for 8 hours or longer can cause permanent hearing damage.

[27] California Department of Transportation. 2013a. *Technical Noise Supplement to the Traffic Noise Analysis Protocol*. September. Available: https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/env/tens-sep2013-a11y.pdf. Accessed: April 14, 2022.

[28] Federal Transit Administration. 2018. *Transit Noise and Vibration Impact Assessment Manual*. Office of Planning and Environment. Available: https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf. Accessed: April 14, 2022.

Overview of Ground-borne Vibration

Ground-borne vibration is an oscillatory motion of the soil with respect to the equilibrium position. It can be quantified in terms of velocity or acceleration. Variations in geology and distance result in different vibration levels, including different frequencies and displacements. In all cases, vibration amplitudes decrease with increased distance.

Operation of heavy construction equipment creates seismic waves that radiate along the surface of and downward into the ground. These surface waves can be felt as ground vibration. Vibration from the operation of construction equipment can result in effects that range from annoyance for people to damage for structures. Perceptible ground-borne vibration is generally limited to areas within a few hundred feet of construction activities. As seismic waves travel outward from a vibration source, they cause rock and soil particles to oscillate. The actual distance that these particles move is usually only a few ten-thousandths to a few thousandths of an inch. The rate or velocity (in inches per second) at which these particles move is the commonly accepted descriptor of vibration amplitude, referred to as peak particle velocity, or peak particle velocity (PPV).

Vibration amplitude attenuates (or decreases) over distance. This attenuation is a complex function of how energy is imparted into the ground, as well as the soil or rock conditions through which the vibration is traveling (variations in geology can result in different vibration levels). The following equation is used to estimate the vibration level at a given distance for typical soil conditions.[29]

$$PPV = PPV_{ref} \times (25/Distance)^{1.5}$$

Table 1 summarizes typical vibration levels generated by construction equipment (excluding pile driving, which is not anticipated) at a reference distance of 15 feet and other distances, as determined with use of the attenuation equation above.

Table 1. Vibration Source Levels for Construction Equipment

Equipment	PPV at 25 Feet	PPV at 50 Feet	PPV at 75 Feet	PPV at 100 Feet	PPV at 175 Feet
Caisson drill	0.089	0.0315	0.0171	0.0111	0.0048
Large bulldozer	0.089	0.0315	0.0171	0.0111	0.0048
Loaded trucks	0.076	0.0269	0.0146	0.0095	0.0041
Jackhammer	0.035	0.0124	0.0067	0.0044	0.0019
Small bulldozer	0.003	0.0011	0.0006	0.0004	0.0002

Source: Federal Transit Administration. 2018. *Transit Noise and Vibration Impact Assessment Manual*. Office of Planning and Environment. Available: https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf. Accessed: April 14, 2022.

Regulatory Setting

There are no federal noise standards that are directly applicable to the Project. With regard to state regulations, Title 24 of the California Code of Regulations, Part 2 (California Noise Insulation Standards), establishes minimum noise insulation standards to protect persons within new hotels, motels, dormitories, long-term care facilities, apartment houses, or dwellings other than single-

[29] PPV_{ref} is the reference PPV at 25 feet.

family residences. Under this regulation, interior noise levels that are attributable to exterior noise sources cannot exceed 45 dBA, day-night level (L_{dn}), in any habitable room.

With respect to local noise standards, two regulatory sources are applicable to the Project: the 2040 General Plan and the Municipal Code. The applicable noise standards from these two sources are described below.

2040 General Plan

2040 General Plan, Chapter 8, Community Safety Element, establishes noise and land use compatibility standards to guide new development. It provides goals and policies to reduce the harmful and annoying effects of excessive noise in the city.

The policies relevant to the Project include the following.

- Locating noise-sensitive uses away from major sources of noise (Policy CS-4.1)
- Requiring the design of new residential development and office development to comply with protective noise standards (Policies CS-4.2 and CS-4.3, respectively)
- Monitoring noise impacts from aircraft operations at San Francisco International Airport (SFO) and Mills-Peninsula Medical Center (Policy CS-4.7)
- Requiring the evaluation, and mitigation, if necessary, of airport noise impacts if a project is located within the 60 CNEL contour line of SFO (Policy CS-4.8)
- Complying with real estate disclosure requirements pertaining to existing and planned airports within 2 miles of the sale or lease of a property (Policy CS-4.9)
- Requiring development projects subject to discretionary approval to assess potential construction noise impacts on nearby sensitive uses and minimize impacts consistent with the Municipal Code (Policy CS-4.10)
- Requiring a vibration impact assessment for projects that would use heavy-duty equipment and be located within 200 feet of an existing structure or sensitive receptor (Policy CS-4.13)

The Community Safety Element of the 2040 General Plan also includes noise compatibility criteria for each category of land use in the city. Multifamily residential land uses are considered conditionally acceptable at noise levels between L_{dn} 60 dB and 70 dB, which means that new development should be undertaken after a detailed analysis of noise reduction requirements is conducted and noise insulation features have been included in the design. Less noise-sensitive land uses, such as commercial and industrial uses, are considered compatible with higher levels of outdoor noise. Figure 8, which is from the Community Safety Element, shows the outdoor noise levels that are suitable for the various land use categories.

City of Burlingame Municipal Code

The Building Construction section of the Municipal Code establishes daily hours for construction in the city. Section 18.07.110 states that no person shall erect, demolish, alter, or repair any building or structure outside the hours between 8:00 a.m. and 7:00 p.m. on weekdays or 9:00 a.m. and 6:00 p.m. on Saturdays; no construction shall take place on Sundays and holidays, except under circumstances of urgent necessity in the interest of public health and safety. An exception, which must be approved in writing by the Chief Building Official, shall be granted for a period of no more than 3 days for structures with a gross floor area of less than 40,000 gsf when reasonable to accomplish erection, demolition, alteration, or repair work; the exception shall not exceed 20 days for structures with a gross floor area of 40,000 gsf or greater.

The Municipal Code also contains standards that limit noise from mechanical equipment, such as air-conditioners and generators, to 60 dBA during the daytime hours of 7:00 a.m. to 10:00 p.m. and 50 dBA during the nighttime hours of 10:00 p.m. to 7:00 a.m. (Section 25.58.050).

Existing Noise Environment

Existing noise sources at the Project site include vehicles, trains, and a nearby hospital. Similar to most urban areas, the Project area is dominated by traffic noise. This is because the Project site is adjacent to El Camino Real and Trousdale Drive. There are also railroad tracks approximately 300 feet northeast of the Project site; noise from both locomotives and air horns is generated in that area. In addition, a heliport at Mills-Peninsula Medical Center is approximately 950 feet to the southwest. Occasional helicopter noise is heard at the Project site as flights approach or leave the hospital. Parking lot noises, such as engines starting, doors slamming, car alarms activating, or vehicle backup alarms sounding, also influence the noise environment at the Project site. This is because there are several parking lots on nearby parcels.

Existing noise levels at the Project site are best characterized by two measurements taken at the Project site and by the short-term measurements from Site 2, as presented in the *City of Burlingame 2040 General Plan Draft EIR* (General Plan Draft EIR). As noted in the Exterior Noise, Vibration, and Exterior Façade Acoustical Analysis[30] conducted for the Project, one measurement was conducted for 1 hour at the Project site and adjacent to El Camino Real, and the measured noise level is 60 dBA. A second measurement was conducted for 2 hours on California Drive near the driveway entrance of the Project site, and the measure noise level is 65 dBA.

Site 2 from the 2040 General Plan EIR was very close to the Project site at Trousdale Drive and El Camino Real. Measurements for the 2040 General Plan EIR had a duration of 30 minutes and were taken during daytime hours. At Site 2, noise levels ranged from 63.3 to 64.9 dBA L_{eq}.[31]

[30] This analysis can be found in Appendix E.

[31] City of Burlingame. 2018. *Burlingame 2040 General Plan Draft EIR.* Chapter 15, Noise and Vibration. Available: https://cms6.revize.com/revize/burlingamecity/document_center/Planning/BurlingameGP_DEIR_FullDocument_06-28-2018.pdf. Accessed: April 14, 2022.

Land Use Category	Community Noise Exposure Ldn/CNEL, dB					
	55	60	65	70	75	80
Residential – Low Density Single Family, Duplex, Mobile Homes						
Residential – Multi. Family						
Transient Lodging – Motels, Hotels						
Schools, Libraries, Churches, Hospitals, Nursing Homes						
Auditoriums, Concert Halls, Amphitheaters						
Sports Arenas, Outdoor Spectator Sports						
Playgrounds, Neighborhood Parks						
Golf Course, Riding Stables, Water Recreation, Cemeteries						
Office Buildings, Business Commercial and Professional						
Industrial, Manufacturing Utilities, Agriculture						

NORMALLY ACCEPTABLE
Specified land use is satisfactory based upon the assumption that most buildings involved are of normal conventional construction, without any special noise insulation requirements.

CONDITIONALLY ACCEPTABLE
New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features included in the design. Conventional construction, but with closed windows and fresh air supply systems or air conditioning, will normally suffice.

NORMALLY UNACCEPTABLE
New construction or development should generally be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design.

CLEARLY UNACCEPTABLE
New construction or development should generally not be undertaken. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design.

Source: City of Burlingame 2019.

Figure 8
City of Burlingame Outdoor Noise Level Planning Criteria
1766 El Camino Real Project

Noise-Sensitive Land Uses

Noise-sensitive land uses are generally defined as locations where people reside or the presence of unwanted sound could adversely affect the use of the land. Noise-sensitive land uses typically include single- and multifamily residential areas, health care facilities, lodging facilities, and schools. Recreational areas where quiet is an important part of the environment can also be considered sensitive to noise. Some commercial areas may be considered noise sensitive as well, such as the outdoor restaurant seating areas.

The Project site is surrounded by various types of land uses. Within 1,000 feet of the Project site, there are residences (single-family homes, townhomes, and a nursing home), commercial uses (offices, retail stores, and restaurants), medical uses (medical offices and a hospital), industrial uses (warehouses, food processing facilities), institutional uses (a police station), and transportation uses (Caltrain and BART tracks and stations).

A list of the noise-sensitive uses closest to the Project site is included below and referenced in the evaluation of the Project's noise impacts. The nearest building to the Project site is the medical building at 1750 El Camino Real, approximately 25 feet from the Project site. Burlingame Long-Term Care, a nursing home, is approximately 80 feet from the Project site. The townhomes at 1755 California Drive are adjacent to the Project site; at the nearest point, the townhomes would be approximately 70 feet from future Project development. Additional medical buildings in the vicinity of the Project site are approximately 190 feet from the Project site at 1720 El Camino Real and approximately 200 feet from the Project site at 1501 Trousdale Drive, on the opposite side of El Camino Real. The latter is the Mills-Peninsula Medical Center complex. Other sensitive land uses, which are farther from the Project site, include Burlingame Pacifica Medical (360 feet north), single-family homes (560 south), and a senior care center (680 feet northwest). The land uses noted here could be adversely affected by substantial increases in noise.

Noise Effects

Rooftop Heating, Ventilation, and Air-Conditioning Equipment Noise and Other Operational Noise Sources

The Project would include roof-mounted equipment, such as a condenser tower, to provide heating, ventilation, and air-conditioning (HVAC) service to the units; and the Project might also include communications equipment on the roof, if the city decides this is needed to maintain communications for the police. Although specific noise-level data for this equipment are not available, typical HVAC equipment can produce sound levels in the range of 70 to 75 dBA at 50 feet, depending on the size of the equipment.[32] The existing building on the Project site is a current source of mechanical equipment noise, which would no longer be present once Project construction began. As such, the Project would not be adding any new sources of noise with respect to HVAC equipment because noise from HVAC equipment is already part of the existing condition. It is also likely, given the age of the existing building, that the existing HVAC equipment does not operate as quietly as newer equipment that would be present at the Project site.

Rooftop HVAC equipment would be both a horizontal and a vertical distance from existing buildings; operational noise would attenuate over this distance. The new building would be eight stories

[32] Hoover and Keith. 2000. *Noise Control for Buildings and Manufacturing Plants*.

(approximately 89 feet) tall; the existing building is one story tall. Consequently, the Project would result in the same type of noise as under current conditions, but the noise source would be farther from the ground and less likely to disturb people. Given the lower noise characteristics of newer HVAC equipment, as well as placement of the HVAC equipment at a greater vertical distance, the Project would not result in a substantial permanent increase in noise from HVAC equipment. This impact would be ***less than significant***.

The Project would also require the use of a diesel-powered fire pump, which would be contained in a dedicated fire pump room that is below grade within the building. The fire pump would operate for a period of 30 minutes for weekly testing. Because the mechanical pump noise would occur within the building and would be below grade, such noise would not likely be noticed by existing sensitive land uses.

Other sources of noise during Project operations may include landscaping activities, building maintenance, garbage collection, and human voices. As discussed previously, the nearest noise-sensitive land uses are 25 feet away from the Project site, at an apartment complex. In addition, 2040 General Plan EIR Chapter 15, *Noise and Vibration*, concludes that stationary-source noise impacts from HVAC equipment and other non-transportation noise sources would be less than significant because the equipment and sources would be required to comply with the provisions of the Municipal Code that pertain to such sources.[33] Therefore, noise impacts from rooftop equipment and other operational noise sources at the Project site would be ***less than significant***.

Traffic Noise

Traffic would increase in the area as a result of Project implementation. To analyze the potential effect of the Project on traffic volumes, average daily traffic (ADT) volumes for all affected roadways have been evaluated with respect to the number of trips that the Project would generate. Average daily traffic volumes were provided by the Project traffic engineer, which were derived based on peak-hour intersection volumes. Peak-hour intersection volumes were converted into ADT by multiplying peak-hour volumes by 10.[34]

Traffic noise increases with increasing traffic volumes. However, a doubling in traffic volumes (a 100 percent increase) equates to a 3 dB increase in noise. As discussed previously, an increase of 3 dB is considered to be barely noticeable by the human ear and not a substantial increase. Roadway segments with less than a 100 percent increase in traffic are, therefore, considered to be segments that would not experience significant traffic noise impacts as a result of the Project (refer to Appendix E for the average daily traffic data table).

With respect to the existing vehicle volumes on roadways in the Project vicinity, the Project would result in minor increases in ADT volumes. As shown in Appendix E, the existing roadways have volumes ranging from 5,250 vehicles per day (on Murchison Drive between El Camino Real and Trousdale Drive) to 36,180 vehicles per day (on Millbrae Avenue between Rollins Road and the US 101 southbound ramps). As noted under Criterion 15332(d): Traffic, the Project would generate 1,412 new daily vehicle trips. This number of trips would not result in a substantial increase in

[33] City of Burlingame. 2018. *Envision Burlingame Draft Environmental Impact Report.* June 28. Available: https://cms6.revize.com/revize/burlingamecity/document_center/Planning/BurlingameGP_DEIR_FullDocument_06-28-2018.pdf. Accessed: April 14, 2022.

[34] Keylon, Catherine. Senior Planner, City of Burlingame. Electronic communication to transmit traffic data to Leo Mena of ICF. February 9, 2022.

noise, because, even in the unlikely event that all trips occurred on the roadway segment with the lowest volumes (Murchison Drive between El Camino Real and Trousdale Drive), such a quantity would represent a 43 percent increase on that segment. On the segment with the most volumes (Millbrae Avenue between Rollins Road and the US 101 southbound ramps), the increase from the Project would only be 6 percent if all trips occurred on this segment. Such changes (i.e., a 6-43 percent increase) would not be noticeable to the human ear, because even the largest increase would be substantially less than the increase necessary to cause a noticeable increase in noise (i.e. a 100 percent increase). Therefore, the increase in traffic volumes relative to the existing volumes on the roadways would correspond to an increase in noise levels that would not be noticeable to the human ear. Because the increase would not be noticeable, the impacts of traffic noise would be ***less than significant***.

Construction Noise

The Project would result in the demolition of the existing on-site structure and the construction of a new 8-story building with a below-grade parking garage and amenities. Demolition and construction activities would generate noise, resulting in a temporary increase in noise levels at adjacent land uses. All construction activities would comply with the time-of-day restrictions specified in the Municipal Code.

The significance of potential noise impacts resulting from demolition and construction would depend on the noise generated by the various pieces of construction equipment, the timing and duration of noise-generating activities, and the distance between construction noise sources and noise-sensitive receptors. To assess the potential for significant construction noise impacts, the Federal Highway Administration's source noise levels for construction equipment were used to approximate the level of noise that would occur during construction. Table 2 shows average noise levels at 50 feet, based on Federal Highway Administration data for the equipment that is expected to be used for Project construction. The equipment list, as represented in Table 2, was developed based on input from the Project applicant.

Table 2. Construction Equipment Reference Noise Levels for Proposed Project Construction[a]

Construction Equipment	Number of Pieces of Equipment	L_{max} at 50 Feet (dBA)	L_{eq} at 50 Feet (dBA)	Percent Usage Factor (%)
Phase 1 – Demolition				
Excavator	3	81	77	40
Dump truck	2	76	72	40
Backhoe	1	78	74	40
Bobcat[b]	2	81	77	40
Phase 2 – Site Preparation				
Excavator	2	81	77	40
Dump truck	2	76	72	40
Drill rig[c]	2	84	77	20
Tie-back rig[c]	2	84	77	20
Bulldozer	2	82	78	40
Pump	1	81	78	50
Phase 3 – Grading				
Compactor	2	83	76	20
Dump truck	2	76	72	40
Bulldozer	2	82	78	40
Phase 4 – Building Construction				
Tower crane	1	81	73	16
Manlift	1	75	68	20
Phase 5 – Paving				
Dump truck	1	76	72	40
Grader	1	85	81	40
Paving machine[d]	1	90	83	20

Source: Federal Highway Administration. 2006. *Roadway Construction Noise Model User's Guide*. Available: http://www.fhwa.dot.gov/environment/noise/construction_noise/rcnm/rcnm.pdf. Accessed: April 22, 2020.

[a] The construction equipment list in this table has been provided by the Project applicant.

[b] Represented by "excavator" from the *User's Guide*.

[c] Represented by "auger drill rig" from the *User's Guide*.

[d] Represented by "pavement scarafier" from the *User's Guide*.

L_{max} = maximum sound level

To provide a reasonable worst-case analysis of potential noise impacts from concurrent use of equipment during Project construction, construction noise modeling assumed that the three loudest pieces of equipment proposed for use during each construction phase would operate simultaneously in the same location at the Project site. Table 3 identifies the combined noise level, in terms of L_{eq}, from operation of the three loudest pieces of construction equipment for each phase at increasing distances from the Project site.

Table 3. L_{eq} Construction Noise Levels by Phase (dBA)

Distance from Source (feet)	Demolition	Site Preparation	Grading	Building Construction	Paving
25	88	89	88	80	91
50	82	83	82	74	85
100	76	77	76	68	79
200	70	71	70	62	73
300	66	67	67	59	70
400	64	65	64	56	67
500	62	63	62	54	65
600	60	61	61	53	64
700	59	60	59	51	62
800	58	59	58	50	61
900	57	58	57	49	60
1,000	56	57	56	48	59

Notes:

- Geometric attenuation based on 6 dB per doubling of distance.
- This calculation does not include the effects, if any, of local shielding.
- L_{eq} noise is presented in dBA units, which approximate the frequency response of the human ear.
- The three loudest pieces of equipment for each phase are as follows (some phases would require only two pieces of equipment):
  - Demolition: 3 excavators
  - Site Preparation: 2 bulldozers and a pump
  - Grading: 2 bulldozers and a compactor
  - Building construction: a tower crane and a manlift
  - Paving: a dump truck, grader, and paving machine

As shown in Table 3, combined construction noise levels would be slightly lower than, but generally consistent with, the noise levels referenced in 2040 General Plan EIR, Chapter 15, *Noise and Vibration* (i.e., 85 to 88 dBA at 50 feet). The demolition, site preparation, grading, and building construction phases would result in noise levels lower than 85 dBA L_{eq}, while the paving phase would result in noise of 85 dBA L_{eq}. No construction phase would have noise levels that would exceed 85 dBA L_{eq} at 50 feet.

Without incorporation of noise-reduction measures, some construction equipment would have the potential to increase above ambient noise to levels that could be considered substantial. 2040 General Plan EIR, Chapter 15, *Noise and Vibration*, notes that sustained L_{eq} levels of 85 dBA would result in noise that would be 18 to 39 dBA above ambient conditions in low- to medium-density residential areas of the city and 11 to 28 dBA above ambient conditions in higher-density residential, commercial, and industrial areas of the city. Consequently, the 2040 General Plan EIR revised Policy CS.4-10 in the Community Safety Element to require all development projects that are subject to discretionary review and located near noise-sensitive land uses to minimize adverse noise impacts through noise control measures. Noise-control measures include construction management techniques and construction equipment controls.

As noted above, there are multiple noise-sensitive land uses in the immediate vicinity of the Project site, the closest of which is approximately 25 feet away. At that distance, L_{eq} construction noise

levels would be between 80 dBA (for building construction) and 91 dBA (for paving). At 50 feet, noise could be up to 85 dBA. Even at 80 feet, the distance to the nearby nursing home, noise could be up to 81 dBA. Based on the discussion above in *Existing Noise Environment*, noise in the 70 to 90 dBA range would be considered a substantial increase over ambient noise levels for people at the nearby medical buildings, living in the townhomes on California Drive, or living in the nursing home. Because noise-sensitive land uses are found near the Project site, noise-control measures would be required, per Policy CS.4-10 of the 2040 General Plan. Consistent with the requirements of the 2040 General Plan, the Project design includes a noise control plan to be implemented, including noise-reduction measures to minimize the Project's construction noise to the extent possible. With the construction noise control plan, construction noise would be reduced to a level that would not be considered a substantial increase above ambient levels, and construction noise impacts would be ***less than significant***.

With implementation of certain design features (i.e., develop a Construction Noise Control Plan, as outlined in Section 1, *Project Description*) as part of the Project design, all equipment would comply with applicable thresholds. As described in Section 1, *Project Description*, the Construction Noise Control Plan would be developed by the Project applicant and include certain measures, such as the following.

- Using smaller equipment with lower horsepower or reducing the hourly utilization rate of equipment used on the site to reduce noise levels at 50 feet to the allowable level.
- Locating construction equipment as far as feasible from noise-sensitive uses.
- Requiring that all construction equipment powered by gasoline or diesel engines have sound control devices that are at least as effective as those originally provided by the manufacturer and that all equipment be operated and maintained to minimize noise generation.
- Prohibiting gasoline or diesel engines from having unmuffled exhaust systems.
- Not idling inactive construction equipment for prolonged periods (i.e., more than 5 minutes).
- Using "quiet" gasoline-powered compressors or electrically powered compressors and electric rather than gasoline- or diesel-powered forklifts for small lifting.

With the Construction Noise Control Plan incorporated as part of the Project design, construction noise would be reduced to levels that would not be considered substantial. Therefore, consistent with 2040 General Plan EIR, Chapter 15, *Noise and Vibration*, construction noise impacts would be ***less than significant***.

Aircraft Noise Impacts

The Project site is 0.7 mile from the nearest runway at SFO and approximately 950 feet from Mills-Peninsula Medical Center, which has a helicopter landing pad. Medical helicopters use the landing pad periodically and generate noise during takeoff and landing. The Project would not result in any appreciable changes in noise levels at either SFO or the heliport at Mills-Peninsula Medical Center. Therefore, the impact of aircraft noise on new occupants at the Project site would not require

evaluation under CEQA;[35] however, this type of impact is analyzed in the General Plan EIR. A brief discussion of aircraft noise is included here for informational purposes.

The Project site is not inside the 65 dBA CNEL contour for SFO, as shown in the *Comprehensive Airport Land Use Compatibility Plan for the Environs of San Francisco International Airport*.[36] As stated in the General Plan EIR, impacts related to the exposure of new sensitive land uses to airport noise are considered less than significant because Policies CS-4.7, CS-4.8, and CS-4.9 of the 2040 General Plan ensure that new development within the 60 dBA CNEL contour is adequately protected from aircraft noise at SFO. Because the Project site would not be within either the 60 or 65 dBA CNEL contours, implementation of 2040 General Plan Policy CS-4.8 would not be needed. However, 2040 General Plan Policy CS-4.9 would be applicable because the Project site is within 2 miles of SFO; certain real estate disclosure requirements would also apply. In addition, the Project would be located near Mills-Peninsula Medical Center. Therefore, 2040 General Plan Policy CS-4.7 would be required to monitor noise impacts from the heliport.

Regardless of the aircraft noise effects that may be experienced by future occupants at the Project site, such effects are not considered to be a CEQA issue because the Project would not worsen aircraft noise that would affect existing land uses. Consequently, the impact pertaining to aircraft noise would be ***less than significant.***

Vibration Effects

As shown in Table 2, the Project would require several different types of construction equipment. Although no pile driving would occur, construction would require the use of other equipment that may generate vibration. The equipment that would be used on the Project site and generate the most vibration during construction would be a loaded truck and a large bulldozer (Table 1). The loaded truck would remain on roadways and occasionally pass by existing land uses in the Project vicinity.

During Project operation, no impact equipment or other equipment associated with substantial ground-borne vibration would be used; therefore, vibration impacts would ***be less than significant*** during Project operations.

Vibration Damage

As discussed in Criterion 15300.2(f): Historical Resources, some buildings in the vicinity of the Project site could be considered "modern industrial/commercial buildings." The threshold for damage potential for this category of structure is a PPV of 0.5 inch per second (for continuous/frequent intermittent sources of vibration).[37]

[35] Pursuant to a recent Supreme Court decision in *California Building Industry Association vs. Bay Area Air Quality Management District*, CEQA does not require an analysis of how existing environmental conditions affect a project's residents or users, unless the project would exacerbate those conditions.

[36] City/County Association of Governments of San Mateo County. 2012. *Comprehensive Airport Land Use Compatibility Plan for the Environs of San Francisco International Airport*. November. Available: http://ccag.ca.gov/wp-content/uploads/2014/10/Consolidated_CCAG_ALUCP_November-20121.pdf. Accessed: April 14, 2022.

[37] These building characterizations are used by Caltrans for the purposes of identifying potential building damage impacts. As a worst-case scenario, it assumed that some of the surrounding buildings fit best within the historic or older residential structure categories. However, these classifications are considered to be conservative and should not be used to infer any details on the actual age or condition of the surrounding buildings.

Table 4 summarizes the guidelines developed by Caltrans for damage potential from transient and continuous vibration associated with construction activity. Activities that can cause continuous vibration include the use of excavation equipment, static compaction equipment, tracked vehicles, vehicles on a highway, vibratory pile drivers, pile extraction equipment, and vibratory compaction equipment.

Table 4. Vibration Damage Potential Threshold Criteria Guidelines

	Maximum PPV (in/sec)	
Structure and Condition	**Transient Sources[a]**	**Continuous/Frequent Intermittent Sources[b]**
Extremely fragile historic buildings, ruins, ancient monuments	0.12	0.08
Fragile buildings	0.2	0.1
Historic and some old buildings	0.5	0.25
Older residential structures	0.5	0.3
New residential structures	1.0	0.5
Modern industrial/commercial buildings	2.0	0.5

Source: California Department of Transportation. 2020. *Transportation and Construction Vibration Guidance Manual*. April. Available: https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/env/tcvgm-apr2020-a11y.pdf. Accessed: April 14, 2022.

Notes:

a. Transient sources create a single isolated vibration event (e.g., blasting or drop balls).

b. Continuous/frequent intermittent sources include impact pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment.

PPV = peak particle velocity; in/sec = inches per second

The equipment with the greatest potential to cause ground-borne vibration is a large bulldozer, which results in vibration levels of 0.089 PPV inch per second at a reference distance of 25 feet (Table 1). This level of vibration is below the levels for damage potential for all buildings except extremely fragile historic buildings, ruins, ancient monuments, and fragile buildings (Table 4). Because 25 feet is a reasonable worst-case distance between the location of construction equipment and the nearest adjacent buildings, and because there are no structures in the immediate vicinity that are considered extremely fragile or fragile, no damage would occur at any buildings near the Project site. Thus, the impact of vibration damage on buildings would be ***less than significant***.

Vibration Annoyance

Table 5 summarizes the guidelines developed by Caltrans for annoyance potential from transient and continuous vibration associated with construction activity. As shown in Table 5, the limit of perceptibility for ground-borne vibration is a PPV of 0.04 and 0.01 PPV inch per second for transient and continuous sources, respectively. Note that people are generally more sensitive to vibration during nighttime hours (when sleeping) than during daytime hours.

Table 5. Vibration Annoyance Potential Criteria Guidelines

Human Response	Maximum PPV (in/sec)	
	Transient Sources[a]	Continuous/Frequent Intermittent Sources[b]
Barely perceptible	0.04	0.01
Distinctly perceptible	0.25	0.04
Strongly perceptible	0.9	0.10
Severe	2.0	0.4

Source: California Department of Transportation. 2013a. *Technical Noise Supplement to the Traffic Noise Analysis Protocol*. September. Available: https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/env/tens-sep2013-a11y.pdf. Accessed: April 14, 2022.

Notes:

a. Transient sources create a single isolated vibration event (e.g., blasting or drop balls).

b. Continuous/frequent intermittent sources include impact pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment.

PPV = peak particle velocity; in/sec = inches per second

The estimated vibration level generated by a loaded truck and large bulldozer at 25 feet is a PPV of 0.076 and 0.089 inch per second, respectively. The nearest land use that could be sensitive to vibration is the apartment complex located at 1755 California Drive (approximately 25 feet away). Table 1 identifies that the vibration levels of a loaded truck and large bulldozer would be a PPV of 0.076 and 0.089 inch per second, respectively, at a distance of 25 feet. These vibration levels would be greater than distinctly perceptible but less than strongly perceptible (Table 5). Consequently, the Project would generate ground-borne vibration from the use of loaded trucks and bulldozers. Operation of the trucks and bulldozers would be considered a continuous source of vibration rather than a transient source. For most of the Project site, the distance to the nearest residences would be far greater than 25 feet, and while the trucks and bulldozers are operating throughout the site, vibration levels would be substantially lower than 0.076 inch per second. For example, at a distance of approximately 43 feet between the nearest residences and the bulldozer, the vibration level for the bulldozer would be below the distinctly perceptible threshold of 0.04 inch per second. At a distance of approximately 108 feet, the vibration level would be below the barely perceptible threshold. Because the vibration level would be reduced to a lesser-perceptibility threshold with relatively minor increases in distance, the level of vibration that would be considered distinctly perceptible would occur in only limited circumstances. As such, use of trucks or bulldozers would not cause vibration that would be excessive at existing residences. Furthermore, vibration-generating activities would be limited to daytime hours and would not occur during nighttime hours. People are generally more sensitive to vibration during evening and nighttime hours when they may be sleeping. For the reasons discussed above, the impact of construction vibration related to annoyance at adjacent buildings is considered ***less than significant***.

Given the above, the Project adheres to the criteria of CEQA Guidelines Section 15332(d) because the Project would not result in any significant effects related to noise.

Criterion Section 15332(d): Air Quality

	Yes	No
Approval of the project would not result in any significant effects related to air quality.	☒	☐

Regulatory Setting

The Project site is in the San Francisco Bay Area Air Basin (SFBAAB), which is under the jurisdiction of the Bay Area Air Quality Management District (BAAQMD). BAAQMD adopted thresholds of significance to assist lead agencies in the evaluation and mitigation of air quality impacts under CEQA. The BAAQMD thresholds, which are incorporated in the 2017 *CEQA Air Quality Guidelines,*[38] establish the levels at which emissions of ozone precursors (reactive organic gases and nitrogen oxides), particulate matter (PM), local carbon monoxide (CO), and toxic air contaminants (TACs) would cause significant air quality impacts. The regulation of two fractions of PM emissions is based on aerodynamic resistance diameters equal to or less than 10 microns (PM_{10}) and 2.5 microns ($PM_{2.5}$). The air quality analysis below uses the 2017 BAAQMD thresholds to evaluate the potential impacts of the Project.

Operational Emissions

Operational criteria air pollutants (CAPs) associated with the Project would be generated from vehicle trips, consumer products, and architectural coatings. Because landscaping equipment (e.g., trimmers, mowers) would be electrically powered as opposed to being gasoline or diesel powered, they would not emit CAPs. Similarly, because the building would be all-electric and would not include natural gas infrastructure, it would not emit CAPs on site. For the purposes of this analysis, the operational emissions associated with the Project come from four distinct components: 311 residential units, 14,217 gsf of leasing amenity space, 131,759 gsf below-grade parking garage, and a 75-horsepower, diesel emergency fire pump.

Operational emissions for these four components were quantified using California Emissions Estimator Model (CalEEMod version 2020.4.0) with defaults supplemented by Project-specific activity data provided by the Project applicant. Residential vehicle travel activity associated with the apartments was estimated by Hexagon Transportation Consultants.[39] The fire pump emissions were modeled using model-specific emission factors[40] and assuming a maximum daily operation of 0.5 hour per day on testing days and maximum annual operation of 50 hours per year (BAAQMD Regulation 9 Rule 8).[41]

BAAQMD provides screening-level sizes for land use projects in Table 3-1 of its CEQA Air Quality Guidelines. As stated in the guidelines, "if the project meets the screening criteria in Table 3-1, the

[38] Bay Area Air Quality Management District. 2017. *California Environmental Quality Act Air Quality Guidelines.* May. Available: http://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en. Accessed: March 23, 2022.

[39] Hexagon Transportation. 2020. Pers. Comm. with Kai-Ling Kuo. *Re: 1766 El Camino Real – ADT for roadways.*

[40] Daybreak Technologies. 2022. *Material Submittal – 1766 ECR*. From Brett Barron to Craig Spicer (Automatic Fire Sprinklers). March 16.

[41] Bay Area Air Quality Management District. 2007. *Regulation 9: Inorganic Gaseous Pollutants, Rule 8: Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines.* Available: https://www.baaqmd.gov/~/media/dotgov/files/rules/reg-9-rule-8-nitrogen-oxides-and-carbon-monoxide-from-stationary-internal-combustion-engines/documents/rg0908.pdf?la=en. July 25. Accessed: March 23, 2022.

project would not result in the generation of operational-related criteria air pollutants and/or precursors that exceed the *Thresholds of Significance* shown in Table 2-2."If a project meets these criteria, then a detailed analysis of operational CAPs is not required. The screening-level sizes for operational CAPs pertaining to mid-rise apartments[42] are 494 residential units. Because the Project would provide 311 residential units, it would meet the screening criteria. Therefore, a detailed analysis is not required.

Nonetheless, per Table 6, the emissions from operational components would be well below the BAAQMD annual thresholds. Therefore, the Project would have a ***less-than-significant*** impact on air quality during operation and would not contribute a significant level of air pollution that would degrade regional air quality within the SFBAAB.

Table 6. Project Operational Emissions (pounds per day)

				PM10			PM2.5		
Emission Source	**ROG**	**NO_X**	**CO**	**Dust**	**Exhaust**	**Total**	**Dust**	**Exhaust**	**Total**
Area	9	<1	25	—	<1	<1	—	<1	<1
Mobile	4	5	47	12	<1	12	3	<1	3
Stationary	<1	<1	<1	—	<1	<1	—	<1	<1
Total	13	5	73	12	<1	12	3	<1	3
BAAQMD threshold	54	54	—	—	—	82	—	—	54
Exceed threshold?	No	No	—	—	—	No	—	—	No

Source: Appendix F.

Note: BAAQMD = Bay Area Air Quality Management District; BMPs = best management practices; CO = carbon monoxide; NO_X = nitrogen oxide; $PM_{2.5}$ = particulate matter no more than 2.5 microns in diameter; PM_{10} = particulate matter no more than 10 microns in diameter; ROG = reactive organic gas

Construction Emissions

Construction of the Project has the potential to create short-term air quality impacts through the use of heavy-duty construction equipment, construction workers' vehicle trips, truck trips for material hauling, demolition, earthmoving, the application of architectural coatings, and paving. Estimated construction emissions would be short term, occurring for approximately 30 months (June 2023 through November 2025).

CAPs generated by construction of the Project were quantified using CalEEMod. CalEEMod was run with model default values for some construction parameters and supplemented with data provided by the Project applicant for other construction parameters. The Project applicant has committed to using U.S. Environmental Protection Agency (EPA)-approved Tier 4 "final" engines in all diesel-powered off-road equipment during construction. Table 7 summarizes the results of emissions modeling.

As shown in Table 7, construction of the Project would not generate reactive organic gases, nitrogen oxide, or PM exhaust in excess of BAAQMD's numeric thresholds. Therefore, the Project would not result in the generation of construction-related CAPs that would exceed the numeric thresholds of

[42] According to the CalEEMod User's Guide, "Mid-rise apartments are units located in rental buildings that have between three and 10 levels." The Project would be eight levels; therefore, it would be considered a mid-rise apartment.

significance. BAAQMD does not have any quantitative threshold values for fugitive dust ($PM_{2.5}$ and PM_{10}); however, BAAQMD considers implementation of BMPs for fugitive dust during construction adequate for reducing construction-related air quality impacts to a less-than-significant level. Compliance with BAAQMD's BMPs is required by Policy HP-3.12 in the 2040 General Plan. Policy HP-3.12 states the following:

> **HP-3.12: Construction Best Management Practices:** Require construction projects to implement the Bay Area Air Quality Management District's Best Practices for Construction to reduce pollution from dust and exhaust as feasible; require construction projects to transition to electrically-powered construction equipment as it becomes available; and seek construction contractors who use alternative fuels in their equipment fleet.

Accordingly, the Project applicant will ensure implementation of the following BMPs during Project construction, in accordance with BAAQMD's standard requirements:

- All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, unpaved access roads) shall be watered two times per day.
- All haul trucks transporting soil, sand, or other loose material offsite shall be covered.
- All visible mud or dirt track-out onto adjacent public roads shall be removed using wet-power vacuum street sweepers at least once per day. The use of dry-power sweeping shall be prohibited.
- All vehicle speeds on unpaved roads shall be limited to 15 miles per hour.
- All roadways, driveways, and sidewalks that are to be paved shall be paved as soon as possible. Building pads shall be laid as soon as possible after grading, unless seeding or soil binders are used.
- Idling times shall be minimized, either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California Airborne Toxics Control Measure, Title 13, Section 2485 of California Code of Regulations). Clear signage shall be provided for construction workers at all access points.
- All construction equipment shall be maintained and properly tuned, in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.
- A publicly visible sign with the name and telephone number of the person to contact at the lead agency regarding dust complaints shall be posted. This person shall respond and take corrective action within 48 hours. BAAQMD's phone number shall also be visible to ensure compliance with applicable regulations.

Consequently, the Project would have a ***less-than-significant*** impact on air quality during construction and would not contribute a significant level of air pollution that would degrade regional air quality within the SFBAAB.

Table 7. Average Daily Criteria Pollutant Emissions from Project Construction (pounds per day)

				PM_{10}		$PM_{2.5}$	
Construction Year	**ROG**	**NO_X**	**CO**	**Dust**	**Exhaust**	**Dust**	**Exhaust**
2023	2	18	77	9	<1	5	<1
2024	<1	1	4	1	<1	<1	<1
2025	18	2	11	2	<1	<1	<1
BAAQMD threshold	54	54	—	BMPs	82	BMPs	54
Exceed threshold?	No	No	—	—	No	—	No

Source: Appendix F.

Note: BAAQMD = Bay Area Air Quality Management District; BMPs = best management practices; CO = carbon monoxide; NO_X = nitrogen oxide; $PM_{2.5}$ = particulate matter no more than 2.5 microns in diameter; PM_{10} = particulate matter no more than 10 microns in diameter; ROG = reactive organic gas

Localized Carbon Monoxide Hot Spots

Continuous engine exhaust may elevate localized CO concentrations, resulting in "hot spots." Receptors who are exposed to these CO hot spots may have a greater likelihood of developing adverse health effects. CO hot spots are typically observed at heavily congested intersections where a substantial number of gasoline-powered vehicles idle for prolonged durations throughout the day.

BAAQMD's screening guide for CO impacts requires projects to meet three criteria to result in a less-than-significant impact:

1. Be consistent with an applicable congestion management program established by the county congestion management agency for designated roads or highways, a regional transportation plan, and local congestion management agency plans.
2. Do not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour.
3. Do not increase traffic volumes at affected intersections to more than 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited (e.g., a tunnel, parking garage, bridge underpass, natural or urban street canyon, below-grade roadway).

Peak-Hour traffic volumes at 14 intersections in the Project vicinity were analyzed to determine whether the Project would meet BAAQMD screening criteria. With implementation of the Project, the traffic volume in the PM Peak Hour at the intersection with the highest volumes, El Camino Real/Millbrae Avenue, would be 5,921 vehicles per hour.[43] Maximum traffic volumes at the intersection under all scenarios would be well below the 44,000-vehicle-per-hour screening threshold. Also, intersection traffic volumes under all scenarios would be below the 24,000-vehicle-per-hour screening threshold for areas where vertical and/or horizontal mixing is substantially limited; therefore, there would be no exceedance of either the non-limited mixing threshold (44,000 vehicles per hour) or the limited vertical/horizontal mixing threshold (24,000 vehicles per hour).

The C/CAG of San Mateo County is the presiding congestion management agency. Of the 14 intersections analyzed in the Project vicinity, C/CAG has set LOS standards for two intersections. Based on these standards, both El Camino Real/Millbrae Avenue and El Camino Real/Broadway

[43] Hexagon Transportation Consultants, Inc. 2020. *Trip Generation Analysis for the Proposed Project Located at 1766 El Camino Real in Burlingame, California.*

must operate at or above LOS E.[44] These intersections currently operate at an acceptable LOS, and the additional Project trips would not cause the intersections to operate below the standard (see Appendix D). Consequently, the Project would be consistent with the applicable congestion management plan and would not result in an exceedance of BAAQMD screening criteria for CO hot spots. Because the Project would not exceed the screening criteria, it can be concluded that CO concentrations would not exceed the California Ambient Air Quality Standards (CAAQS). This impact would be ***less than significant***.

Construction-Generated Toxic Air Contaminants

The Project could expose sensitive populations to substantial pollutant concentrations from the generation of TACs during Project construction and operation. Construction of the Project would emit TACs in the form of diesel particulate matter (DPM) from heavy-duty vehicles and construction equipment. Operation of the Project could emit TACs from the diesel emergency fire pump.

BAAQMD recommends evaluating the potential impacts of TAC emissions on sensitive receptors within 1,000 feet of a project.[45] Per BAAQMD, typical sensitive receptors are residences, hospitals, and schools. Parks and playgrounds where sensitive receptors (e.g., children and seniors) are present would also be considered sensitive receptors.[46] For the purposes of air quality, the closest sensitive receptors to the Project site are the residents at an apartment complex immediately adjacent southeast of the Project site. All sensitive land uses within 1,000 feet of the Project site are listed in Table 8.

Table 8. Sensitive Land Uses within 1,000 feet of the Project Site

Building Name	Address	Receptor Type	Distance (feet)	Direction from Project
Unnamed Apartment Complex	1755 California Dr	Residential	Adjacent	Southeast
Burlingame Skilled Nursing	1100 Trousdale Dr	Senior care center	80	Northeast
Peninsula Pediatric Medical Group	1720 El Camino Real	Medical center	190	Southwest
Mills-Peninsula Medical Center	1501 Trousdale Dr	Medical center	200	West
Mills Estate Villa	1733 California Dr	Senior care center	240	South
Burlingame Pacifica Medical	1828 El Camino Real	Medical center	360	North
Single-Family Homes	Multiple	Residential	560	South
The Trousdale	1601 Trousdale Dr	Senior care center	680	Northwest

A construction health risk assessment (HRA) was performed to analyze the impact of DPM and $PM_{2.5}$ emissions from heavy-duty vehicles and construction equipment on the identified sensitive receptors. Based on BAAQMD's thresholds, a significant impact would occur if risks were to exceed 10 cancer cases per 1 million people, thus resulting in an acute or chronic non-cancer Hazard Index

[44] City/County Association of Governments of San Mateo County. 2021. *San Mateo County Congestion Management Program*. December. Available: https://ccag.ca.gov/wp-content/uploads/2022/01/258-018-San-Mateo-CMP-Report_Final.pdf. Accessed: March 23, 2022.

[45] Bay Area Air Quality Management District. 2017. *California Environmental Quality Act Air Quality Guidelines.* May. Available: http://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en. Accessed: March 23, 2022.

[46] Ibid.

(HI) greater than 1.0, or in ambient $PM_{2.5}$ concentrations greater than an annual average of 0.3 microgram per cubic meter ($\mu g/m^3$).

In accordance with guidance from BAAQMD and the Office of Environmental Health Hazard Assessment, the HRA evaluates the incremental increase in cancer risk, chronic HI, and $PM_{2.5}$ concentrations at specific receptor locations. Emissions of $PM_{2.5}$ from diesel-powered construction equipment and vehicles were used as the basis for calculating health risks associated with DPM, consistent with the BAAQMD guidance. As discussed above, construction emissions were calculated using CalEEMod, incorporating the emissions-reducing effects from the Project commitments to implement BAAQMD's dust control BMPs and use Tier 4 final engines. The analysis assumes a 30-month construction schedule.

EPA's Air Quality Dispersion Modeling (AERMOD version 10.0.1) system was used to model DPM and total $PM_{2.5}$ (i.e., exhaust plus fugitive dust) concentrations at the sensitive receptor locations. Modeling assumptions and outputs are provided in Appendix F.

The results for the construction HRA are summarized in Table 9 for the maximally exposed individual (MEI) and compared to BAAQMD's thresholds. All risks would be below the thresholds. Therefore, this TAC impact would be ***less than significant***.

Table 9. Summary of Health Risk Assessment for DPM and PM2.5 Emissions during Construction

Maximally Exposed Individual	Excess Lifetime Cancer Risk (in 1 million)	Maximum Chronic HI	Maximum Annual Average $PM_{2.5}$ Concentration ($\mu g/m^3$)
Residence	4.2	< 0.1	0.1
BAAQMD thresholds	10.0	1.0	0.3
Exceed threshold?	No	No	No

Source: Appendix F.

Note: $\mu g/m^3$ = micrograms per cubic meter; BAAQMD = Bay Area Air Quality Management District; HI = Hazard Index; $PM_{2.5}$ = particulate matter no more than 2.5 microns in diameter

Operational-Generated Toxic Air Contaminants

The Project would contribute operational DPM from use of the diesel fire pump. The fire pump would operate a maximum of 0.5 hours on testing days[47] and up to 50 hours per year for periodic testing (consistent with BAAQMD Regulation 9, Rule 8). An HRA to estimate exposure to operational DPM was undertaken to assess the inhalation cancer risk, non-cancer hazard impacts, and PM2.5 concentrations, as recommended in BAAQMD's CEQA Guidelines. The HRA was prepared consistent with the guidance followed and described for the construction HRA. Refer to Appendix F for more detailed modeling assumptions and AERMOD outputs.

The fire pump would be located below grade and exhaust would be above grade at a height of 1 foot off the ground outside the southeast corner of the proposed building closest to El Camino Real. On-site residences would be located on each floor of the eight-story building. The HRA determined the inhalation cancer risks, non-cancer hazard impacts, and PM2.5 concentrations for each floor with residents, as well as off-site receptors.

[47] The fire pump would be tested once per week for 0.5 hours.

Table 10 presents the health risks for the MEI on-site receptor (the residents on the 8th floor of the building) and MEI off-site receptor. As shown in Table 10, operation of the Project would not result in a significant increase in the cancer risk at nearby sensitive receptors. Chronic hazard index and annual PM2.5 concentrations would be below BAAQMD's significance thresholds. Therefore, impacts would be less than significant.

Table 10. Estimated Project-Level Cancer and Chronic Hazard Risks from Operational Diesel Particulate Matter and PM2.5 Exhaust Emissions (pounds per day)

Maximally Exposed Individuals	Excess Lifetime Cancer Risk (in 1 million)	Maximum Chronic HI	Maximum Annual Average $PM_{2.5}$ Concentration ($\mu g/m^3$)
On-site			
8th-floor residence	2.1	< 0.1	< 0.1
Off-site			
Residence	< 0.1	< 0.1	< 0.1
BAAQMD threshold	10.0	1.0	0.3
Exceed threshold?	No	No	No

Source: Appendix F.

Note: $\mu g/m^3$ = micrograms per cubic meter; HI = hazard index; PM 2.5 = particulate matter no more than 2.5 microns in diameter

Cumulative Health Risk Assessment

According to BAAQMD's CEQA Guidelines, combined risk levels should be determined for all TAC sources within 1,000 feet of a project site, and the combined risk levels should be compared to BAAQMD's cumulative health risk thresholds.[48] This analysis is presented in the following paragraphs.

Off-site sources include stationary sources, roadway sources, and railway sources. The combination of risks is conservative in that it assumes that the impacts from all sources are occurring in the same time frame. Nearby TAC sources, as well as Project construction and operation, could contribute to a cumulative health risk for sensitive receptors near the Project site. BAAQMD's inventory of stationary health risks and distance multiplier tool[49,50] were used to estimate excess health risks for existing stationary sources. Geographic information system (GIS) raster files and Google Earth map files provided by BAAQMD were used to estimate roadway and railway source risk values.[51]

[48] Bay Area Air Quality Management District. 2017. *California Environmental Quality Act Air Quality Guidelines*. May. Available: http://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en. Accessed: March 23, 2022.

[49] Bay Area Air Quality Management District. 2020a. *Permitted Stationary Sources Risk and Hazards.* Available: https://baaqmd.maps.arcgis.com/apps/webappviewer/index.html?id=2387ae674013413f987b1071715daa65. Accessed: March 23, 2022.

[50] Bay Area Air Quality Management District. 2020b. *Health Risks Calculator with Distance Multipliers.* Available: https://www.baaqmd.gov/plans-and-climate/california-environmental-quality-act-ceqa/ceqa-tools. Accessed: March 23, 2022.

[51] Winkel, Jackie. Principal environmental planner, Bay Area Air Quality Management District. April 12, 2018—email to Darrin Trageser, ICF, Sacramento, CA, regarding GIS files containing data regarding background health risks from railroads, major roads, and highway sources within BAAQMD jurisdiction.

The MEI is approximately 525 feet away from the Project site and 125 feet from the Caltrain rail lines. The methods used to estimate Project-related TAC emissions are described above and in Appendix F. The results of the cumulative impact assessment are summarized in Table 11.

Table 11. Cumulative Toxic Air Contaminant Health Risks from Project and Background Sources at the Maximally Exposed Individual

Sources	Excess Lifetime Cancer Risk (in 1 million)	Maximum Chronic HI	Maximum Annual Average PM2.5 Concentration (µg/m^3)
Existing Sources			
Stationary	24	< 0.1	2.5
Mobile	8	< 0.1	0.2
Project Construction	4	< 0.1	0.1
Project Operation	< 1	< 0.1	< 0.1
Total Cumulative	37	0.1	2.9
BAAQMD thresholds	100	10.0	0.8
Exceeds threshold?	No	No	No [a]

Notes:
µg/m^3 = micrograms per cubic meter
Exceedances denoted with underline.
[a] Exceedance of threshold is due to existing ambient sources located within the vicinity of the Project area.

As shown in Table 11, the cumulative cancer risk and hazard index at the receptor with the highest impact would not exceed BAAQMD thresholds. Although the cumulative PM2.5 concentration would exceed the BAAQMD threshold, this exceedance is primarily the result of existing sources in the Project vicinity, which contribute to more than 95 percent of the cumulative PM2.5 exposure. The Project's relative contribution to an exceedance of the screening threshold would be less than BAAQMD's project-level health thresholds and less than 5 percent of the cumulative PM2.5 exposure compared to existing sources. Accordingly, the contribution of the Project to a significant impact would not be considerable. This impact would be ***less than significant***.

Odors

Although offensive odors rarely cause physical harm, they can be unpleasant, leading to considerable distress among the public. In addition, they often generate citizen complaints to local governments and air districts. According to the California Air Resources Board (CARB) *Air Quality and Land Use Handbook*, land uses associated with odor complaints typically include sewage treatment plants, landfills, recycling facilities, and manufacturing plants.[52] Odor impacts on residential areas and other sensitive receptors, such as hospitals, day-care centers, and schools, warrant the closest scrutiny, but consideration should also be given to other land uses where people may congregate, such as recreational facilities, work sites, and commercial areas.

Odors during construction could be emitted from diesel exhaust, asphalt paving, and architectural coatings. However, construction activities near existing receptors would be temporary and would not result in nuisance odors that would violate BAAQMD Regulation 7. During operation, odors

[52] California Air Resources Board. 2005. *Air Quality and Land Use Handbook: A Community Health Perspective*. April.

could emanate from vehicle exhaust, intermittent use of the fire pump during emergencies, and the reapplication of architectural coatings. However, odor impacts would be limited to circulation routes, parking areas, and areas immediately adjacent to recently painted structures. Although such brief exhaust- and paint-related odors may be considered adverse, they would not affect a substantial number of people. Because the Project is not anticipated to result in substantial or long-term odors, this impact would be ***less than significant***.

Given the above, the Project adheres to the criteria of CEQA Guidelines Section 15332(d) because the Project would not result in any significant effects related to air quality.

Criterion Section 15332(d): Water Quality

	Yes	No
Approval of the project would not result in any significant effects related to water quality.	☒	☐

Existing Conditions

The Project site is within the Millbrae Creek watershed.[53] The Millbrae Creek watershed includes Millbrae Creek, as well as underground storm drains and an engineered channel (El Portal Canal), which drains into San Francisco Bay. There are no surface waters at the Project site. El Portal Canal, a concrete channel, is located approximately 0.25 mile north of the Project site. Local drainage is managed by urban storm sewer systems, which ultimately reach the main storm drain in Trousdale Drive.

The existing site consists of surface parking, an approximately 32,625-gsf building, and limited landscaping. Groundwater on site was encountered at a depth of 9.5 to 10 feet bgs.[54] Actual groundwater levels fluctuate seasonally with variations in rainfall, temperature, and other factors. As described in greater detail in Criterion 15300.2(e): Hazardous Waste Sites, on-site groundwater contaminants were identified, and could intrude into groundwater resources.

Project Conditions

Stormwater runoff from the Project site would ultimately drain into San Francisco Bay. Currently, the Project site includes a surface parking lot and one building. Approximately 80 percent of the current Project site is composed of impervious surfaces. The Project would slightly increase the area of impervious surfaces to 88 percent, while pervious surfaces would be 12 percent. The Project site would treat stormwater on site in accordance with low-impact development treatment measures and mechanical treatment.

Surface runoff from the Project site would be regulated under the National Pollutant Discharge Elimination System (NPDES) program, which is enforced locally by the San Francisco Bay Regional Water Quality Control Board. Because of potential groundwater contamination on site, any work on site would need to be conducted in coordination with the San Mateo County Department of Environmental Health and the Regional Water Quality Control Board. Compliance with existing

[53] Oakland Museum of California. n.d. *Guide to San Francisco Bay Area Creeks, Millbrae Creek Watershed*. Available: http://explore.museumca.org/creeks/1570-RescMilbrae.html. Accessed: March 25, 2022.
[54] BAGG Engineers. 2019. *Report Update: Geotechnical Investigation, Proposed Seven-Story Multi-Use Building 1766 El Camino Real, Burlingame, CA*. December 20. Prepared for the Certosa Corporation, Burlingame, CA.

stormwater control regulations would ensure that the Project would result in ***less-than-significant*** impacts related to water quality.

Stormwater Runoff

Because the Project would involve construction activities that would disturb more than 1 acre, surface runoff from the Project site would be regulated under the NPDES program, which is enforced locally by the San Francisco Bay Regional Water Quality Control Board. Furthermore, the Project would be required to develop and implement a Stormwater Pollution Prevention Plan (SWPPP) for the site, in compliance with the construction general permit. The purpose of the SWPPP is to identify potential sources of sediment and other pollutants and prescribe BMPs to ensure that potential adverse erosion, siltation, and contamination impacts do not occur during construction activities. Implementation of the SWPPP would control erosion and protect water quality from potential contaminants in stormwater runoff emanating from the construction site. BMPs may include damp street sweeping; appropriate covers, drains, and storage precautions for outdoor material storage areas; temporary cover for disturbed surfaces; and sediment basins or traps, earthen dikes or berms, silt fences, check dams, soil blankets or mats, covers for stockpiles, or other BMPs to trap sediments.

Stormwater runoff during the operational phase of the Project would be subject to the low-impact development (LID) measures in Provision C.3 of the NPDES Municipal Regional Permit, under Regional Water Board Order R2-2009-0074. These measures include source control, site design, and treatment requirements to reduce the amount of stormwater runoff and improve the quality of stormwater runoff. The Project would treat the stormwater runoff on site using LID treatment measures. After on-site treatment, water would drain through exiting storm drains, which ultimately reach the main storm drain in Trousdale Drive. Compliance with existing stormwater regulations would ensure that the Project would result in ***less-than-significant*** impacts on water quality related to stormwater runoff.

Groundwater

If construction occurs during a period with high groundwater levels, temporary dewatering may be required during isolated excavation activities. Groundwater was encountered at 11 feet bgs and maximum depth of excavation required is 33 feet bgs. Groundwater could be encountered during excavation, requiring dewatering at the site. Contaminated soil vapors could intrude into groundwater resources if improperly handled. However, as mentioned in Chapter 2, Project Description, a limited soil vapor investigation and health risk assessment was conducted for the Project site and included soil vapor probe installation, sample collection, and analysis. The limited soil and groundwater investigation concluded that considering the proposed development plans and the existing environmental condition of the Project site, the health risk from vapor intrusion into indoor air (residential users) and trench air (construction workers) is below the *de minimis* risk level for chemicals detected in soil vapor and groundwater. Because the health risk is below the *de minimis* risk level, mitigation measures are not warranted to address VOCs in soil vapor or groundwater. Furthermore, the Regional Water Quality Control Board would need to be notified if dewatering were to occur. In addition, the contractor may be subject to dewatering requirements in addition to those outlined in the Construction General Permit, including discharge sampling and reporting.

In addition, all residential units would be constructed above the seasonal high-water table. Prior to receiving a building permit or other construction-related permit, final design would be approved by the Burlingame Department of Public Works. Compliance with existing regulations and adherence to Project-specific designs would ensure that the Project's potential impact related to groundwater would be reduced to a ***less-than-significant*** level.

Given the above, the Project adheres to the criteria of CEQA Guidelines Section 15332(d) as the Project would not result in any significant effects related to water quality.

Criterion Section 15332(e): Utilities and Public Services

	Yes	No
The site can be adequately served by all required utilities and public services.	☒	☐

The Project is located in an urban area that is already served by all necessary municipal utilities (i.e., water, wastewater, stormwater, solid waste) and public services (i.e., fire, police, schools). The city currently has a population of approximately 31,386, which is served by existing utilities and public service providers.[55] The Project would include construction of 311 residential units, which could result in 774 new residents, as calculated using the citywide persons-per-household ratio of 2.49.[56] However, this anticipated population at the Project site would be consistent with growth anticipated in the 2040 General Plan and the NBMU land use designation. Therefore, as discussed below, the Project would be adequately served by all required utilities and public services.

Water

The city purchases all of its potable water from the regional water system of the San Francisco Public Utilities Commission (SFPUC) Regional Water System. Approximately 85 percent of the water supply originates in the Hetch Hetchy watershed in Yosemite National Park, then flows down the Tuolumne River to Hetch Hetchy Reservoir. The remaining 15 percent of the water supply originates locally in the Alameda and Peninsula watershed and is then stored in six different reservoirs in Alameda and San Mateo Counties.[57]

According to the city's 2020 Urban Water Management Plan (2020 UWMP), the city's average water demand between 2016 and 2020 was 1,221.2 million gallons, which is equivalent to 3.35 million gallons per day (mgd) or 64 percent of the city's allotted 5.23mgd.[58] The City of Burlingame has an Individual Supply Guarantee (ISG) from the SFPUC, which totals 5.23 mgd.[59] According to the 2020 UWMP, daily residential per capita water use in the city totaled 113 gallons per day (gpd) in

[55] U.S. Census Bureau. 2021. Population, Census, April 1, 2020. Available: https://www.census.gov/quickfacts/fact/table/burlingamecitycalifornia/AGE295219. Accessed March 29, 2022.

[56] The addition of 774 residents as a result of the Project is conservative. The citywide average is 2.49 persons per household, which includes single-family residences, multifamily residences, and mobile homes. Because the Project is a multifamily use, with one-bedroom and two-bedroom units, it is expected that the household size would be significantly smaller.

[57] City of Burlingame. 2021. Urban Water Management Plan. https://www.burlingame.org/departments/public_works/water.phpAccessed: March 29, 2022.

[58] Ibid (see table 4-1 of UWMP).

[59] Ibid (see page 83).

2015, a decrease of 30 percent from 2005 levels (162 gpd).[60] The confirmed daily per capita water use target for 2020 was 135 gpd.[61] Using 135 gpd as a conservative figure, and assuming a conservative on-site population of 774 persons, daily water demand would total approximately 104,490 gpd. Because the city uses an average of 3.35 mgd of its 5.23 mgd water supply, adequate water supplies are available to serve the Project, and no expanded or new potable water facilities would be required, resulting in a ***less-than-significant*** impact.

Furthermore, the 2020 UWMP identifies the projected water demand for the City of Burlingame up to the year 2045. The projected water demand was estimated using the Demand Management Decision Support System Model (DSS Model). The DSS Model used the population and employment projections from the 2040 General Plan to estimate the projected water demand. Because the Project is consistent with the 2040 General Plan and would overall help implement the NBMU land use identified in the 2040 General Plan, the Project would be in conformance with the level of growth envisioned in the General Plan. Because the DSS Model used the growth projections from the 2040 General Plan, it is reasonable that the growth projected in the DSS Model accounts for the growth from the Project. In 2045, water demand for the city is expected to be 1,721 million gallons per year, which is equivalent to 4.72 mgd. The projected water demand in 2045 would be less than its available 5.23 mgd supply. Based on the results of the DSS Model, the city would have sufficient water to serve the growth associated with the 2040 General Plan, including the growth from the Project.

Because the city obtains its water from the SFPUC, the city is, in turn, dependent on SFPUC's overall water supply to its wholesale customers. SFPUC adopted its 2020 UWMP in June 2021. SFPUC's UWMP identified several potential future water supply scenarios with different potential outcomes. Specifically, SFPUC's 2020 UWMP contemplates scenarios reflecting full implementation of the 2018 Bay-Delta Plan Amendment (BDPA). The BDPA would require an increase in the amount of water flowing into the San Francisco Bay Delta, which would require substantial contributions from SFPUC's water sources (including the Tuolumne River). With implementation of the BDPA, SFPUC projects that its available water supply in the years 2030 and 2040 would be unchanged in a normal year. However, its supply would drop substantially in single and multiple dry-year scenarios, imperiling SFPUC's ability to meet its projected wholesale demand. However, SFPUC's UWMP further notes that full implementation of the BPDA remains far from certain in the face of several legal challenges. Moreover, there is considerable uncertainty that other needed actions to implement the BDPA will occur on the California State Water Resource Control Board's expected timeline or ever. Moreover, SFPUC is actively pursuing a voluntary agreement among stakeholder agencies that would limit implementation of the BDPA, and thus reduce the impact of the BDPA on SFPUC's water supply. Because the implementation of the BDPA is so uncertain, a conclusion of insufficient water supply would be speculative.

The city's water supply can accommodate the minimal increase in water demand due to the Project during normal years. The 2020 UWMP identifies that during dry and multiple dry years (without implementation of the Bay-Delta Plan Amendment), the city would be able to meet its projected water demand.[62] As such, the city's water supply would be able to accommodate the minimal increase in water demand due to the Project during dry and multiple dry years (without

[60] Ibid (see Townsend Comment Letter – 2016 Bay-Delta Plan Amendment & SED).

[61] Ibid (see Table 5-2, Baselines and Targets Summary (DWR Table 5-1).

[62] City of Burlingame. 2021. *City of Burlingame 2020 Urban Water Management Plan*. Available: https://www.burlingame.org/departments/public_works/water.php. Accessed: March 29, 2022. Page 96.

implementation of the Bay-Delta Plan Amendment). Therefore, adequate water supplies would be available to serve the Project and reasonably foreseeable future development during normal, dry, and multiple dry years (without implementation of the Bay-Delta Plan Amendment) and the impact would be ***less than significant***.

In addition, the 2020 UWMP identifies that the city could experience significant shortfalls of its SFPUC Regional Water System supplies during single dry and multiple dry year conditions as a result of Bay-Delta Plan Amendment implementation. Numerous uncertainties remain in the implementation of the Bay-Delta Plan Amendment and the resultant allocation of the available supply to the city, including ongoing litigation for the Bay-Delta Plan Amendment and that implementation of the amendment is still under negotiations between SFPUC and the California State Water Resource Control Board.[63] Because the implementation of the Bay-Delta Plan Amendment is so uncertain, a conclusion of insufficient water supply would be speculative and cannot be made at this time.

Wastewater

The city's Public Works Department services Burlingame's wastewater system. Wastewater flows are carried to the wastewater treatment plant (WWTP) at 1103 Airport Boulevard, which serves the entire city, as well as approximately one-third of Hillsborough.

The average dry-weather flow of wastewater treated at the WWTP has remained fairly constant, at approximately 3.0 to 3.5 mgd, which is approximately 55 to 64 percent of the facility's 5.5-mgd capacity.[64] As discussed above, the Project would have a water demand of approximately 104,490 gpd; therefore, assuming a conservative one-to-one ratio, the Project would generate 104,490 gpd or 0.1 mgd of wastewater. Because the WWTP treats a fraction of its permitted wastewater capacity, adequate wastewater treatment capacity is available. In addition, the Project would not require relocation or construction of new or expanded water or wastewater treatment facilities because there is adequate water and wastewater treatment capacity available to serve the Project. Therefore, impacts would be ***less than significant***.

Stormwater

Stormwater collection within the Project vicinity is provided by a system of storm drains and inlets on Trousdale Drive and behind the residences off Dufferin Avenue.[65] Stormwater from Burlingame's Stormwater system drains into San Francisco Bay; therefore, it is subject to the requirements of the Clean Water Act of 1972. The Clean Water Act prohibits the discharge of stormwater into waters of the United States, unless the discharge is in compliance with an NPDES permit. Currently, the Project site is composed of 80 percent impervious surfaces. Upon Project implementation, the site would be composed of 88 percent impervious surfaces.[66] Although there would be a slight increase in the area of impervious surfaces due to the Project, the Project would

[63] For a full list of uncertainties, please refer to Section 7.1.4.1 of the 2020 City of Burlingame UWMP.

[64] Ibid (see 6.5-2 Wastewater Collection, Treatment, and Disposal).

[65] City of Burlingame. 2020. *Municipal Separate Storm Sewer System*. Available: http://bgmaps.maps.arcgis.com/apps/webappviewer/index.html?id=8f4f7accd3054ba5a4fde951fc45b601. Accessed: March 29, 2022.

[66] San Mateo Countywide Water Pollution Prevention Program. *C.3 and C.6 Development Review Checklist. Table I.B.1 & Worksheet D*. 2022.

include measures to reduce runoff, including a stormwater garden on the first floor, directing runoff to vegetated areas, as well as BMPs that would be required by the NPDES permit. The existing stormwater infrastructure has adequate capacity for serving the Project site; no expanded or new offsite drainage facilities would be required, beyond minor improvements that may be included as a part of the Project. Impacts related to stormwater drainage would be ***less than significant.***

Solid Waste

The city is within the service area of RethinkWaste, also known as the South Bayside Waste Management Authority. The City of Burlingame, as well as the Cities of Atherton, Belmont, East Palo Alto, Foster City, Hillsborough, Menlo Park, Redwood City, San Carlos, and San Mateo; the County of San Mateo; and the West Bay Sanitary District form the Joint Powers Authority for RethinkWaste. Recology San Mateo County provides recycling, composting, and garbage collection services for residents and businesses in the RethinkWaste service area. Recyclables and organic solid waste are taken by Recology trucks to the Shoreway Environmental Center in San Carlos for sorting. The Shoreway Environmental Center is owned by RethinkWaste and operated by South Bay Recycling on behalf of RethinkWaste. Solid waste and recyclables received at the Shoreway Environmental Center are processed and sent to the appropriate facility, including the Ox Mountain Landfill (also known as Corinda Los Trancos Landfill), which is in Half Moon Bay. This landfill is expected to remain operational until 2034, and has a permitted throughput capacity of 3,598 tons per day.[67]

Construction of the Project would result in demolition waste. The Project would be required to comply with the City of Burlingame Construction and Demolition Recycling Ordinance (Municipal Code Chapter 8.17), which requires salvaging or recycling at least 60 percent of construction-related solid waste. The Project would also generate waste during operation, particularly in the residential building. In 2020, residential uses in the city generated approximately 5.1 pounds per person per day of solid waste.[68] Therefore, with a conservative anticipated population of up to 774 residents, the Project could generate approximately 3,947 pounds per person per day (1.974 tons per day) of solid waste in the form of garbage, as well as recycling and composting material. Although trash receptacles would be provided in the parking structure, this use is not expected to generate a significant amount of waste. The Shoreway Environmental Center is permitted to receive 3,000 tons of refuse per day.[69] Once collected and sorted at Shoreway, solid waste is transported to Corinda Los Trancos Landfill, which is permitted to receive 3,598 tons per day.[70] Solid waste generated by operation of the Project would represent less than 0.1 percent of the permitted capacity of Shoreway Environmental Center and Corinda Los Trancos Landfill, respectively. As such, Shoreway Environmental Center and the Corinda Los Trancos Landfill would have adequate capacity to serve the Project, resulting in a ***less-than-significant*** solid waste impact.

[67] California Department of Resources Recycling and Recovery. 2018. *Facility/Site Summary Details: Corinda Los Trancos Landfill (Ox Mtn) (41-AA-0002).* Available: https://www2.calrecycle.ca.gov/SWFacilities/Directory/41-AA-0002/Detail. Accessed: March 29, 2022.

[68] California Department of Resources Recycling and Recovery. 2021. *Jurisdiction Per Capita Disposal Trends*. Jurisdiction: Burlingame. Available: https://www2.calrecycle.ca.gov/LGCentral/AnnualReporting/ReviewReports. Accessed: March 29, 2022.

[69] RethinkWaste. 2020. *About Shoreway.* Last revised: 2022. Available: http://www.rethinkwaste.org/shoreway-facility. Accessed: March 29, 2022

[70] California Department of Resources Recycling and Recovery (CalRecycle). 2019. *Facility/Site Summary Details: Corinda Los Trancos Landfill (Ox Mtn) (41-AA-0002).* Available: https://www2.calrecycle.ca.gov/swfacilities/Directory/41-AA-0002/. Accessed: March 29, 2022.

Fire Protection Services

The Central County Fire Department (CCFD) provides fire protection services for the Cities of Burlingame, Millbrae, and Hillsborough. In total, the CCFD service area covers almost 15 square miles, with a residential population of approximately 61,344 individuals. CCFD has 88 full-time employees.[71] There are six fire stations in CCFD's jurisdiction, two of which are in Burlingame. The Project would be approximately 1 mile south of Fire Station No. 37, located at 511 Magnolia Avenue in the City of Millbrae. Because of the Project site's distance from the fire station, the Project is not expected to substantially affect response times.

In accordance with standard city practices, CCFD would review Project plans prior to the issuance of permits to ensure compliance with all applicable fire and building codes. The Project would be required to comply with all applicable CCFD codes and regulations and meet CCFD standards related to fire hydrants (e.g., fire-flow requirements, hydrant spacing) and the design of driveways and access points.

As designed, the Project includes portions of the building greater than 150 feet from the nearest fire apparatus access point. To address this, the Project has proposed enhancements to the building that CCFD is reviewing in an Alternate Means of Protection document.[72]

Under CEQA, the need for additional equipment and/or personnel to support fire services is not considered a significant impact, unless new facilities would need to be constructed, resulting in physical impacts. The increase in the number of residents at the Project site would be minor compared with the CCFD service population. Therefore, the Project would not increase the need for fire services, staffing, and/or equipment to the extent that new fire facilities would need to be constructed, resulting in a ***less-than-significant*** impact.

Police Protection Services

The Burlingame Police Department (BPD) provides emergency police services within a 5-square-mile area with approximately 30,000 residents. BPD has one police station at 1111 Trousdale Drive. BPD employs 69 staff members, including 40 sworn officers, resulting in a ratio of 1.33 officers per 1,000 residents.[73] The 2040 General Plan Community Safety Element does not designate a standard ratio for police officers to residents or a standard emergency response time. However, it does require continued maintenance of optimal police staffing levels, which are necessary to meet community safety needs.[74] The General Plan EIR referenced the "238 Bypass Fiscal Impact Analysis" metric, which establishes an optimum ratio of 1.5 sworn police officers per 1,000 residents.[75]

The Project would add approximately 774 new residents. The General Plan EIR, adopted in 2018, found that the BPD has not identified the need for any new or expanded facilities to meet service

[71] Central County Fire Department. 2021. *Fiscal Year 2021-2022 Adopted Budget*. Available: https://ccfd.org/wp-content/uploads/2021/07/Adopted-Budget-Book-Web-1.pdf . Accessed: March 29, 2022.

[72] The Fire Consultants, Inc. Request For Alternate Means Of Protection or Methods of Construction. November 12, 2021.

[73] City of Burlingame Police Department. 2022. About Us. Available: https://www.burlingame.org/departments/police_department/about_us.php. Accessed: April 22, 2022.

[74] City of Burlingame. 2019. *Envision Burlingame General Plan*. Available: https://www.burlingame.org/departments/planning/general_plan_update.php. Accessed: April 22, 2022.

[75] City of Burlingame. 2018. *Burlingame 2014 General Plan: Draft Environmental Impact Report.* Available: https://www.burlingame.org/departments/planning/general_plan_update.php. Accessed: April 22, 2022.

needs.[76] In addition, the estimated service ratio of sworn officers to residents is currently 1.3 sworn officers to 1,000 residents.[77, 78] The addition of 774 residents to the population would not substantially decrease this optimum service ratio.[79] Furthermore, the Project would be located adjacent to the Burlingame Police Station and, as such, response times would be quick and the Project site would be adequately served by police services.

As identified in the Site Plan subsection of Section 1, *Project Description*, communication equipment facilities, which would be exempt from CEQA, may be installed to avoid interference with Burlingame Police Station communications. As such, because the necessary communication equipment would be installed, the Project would not affect the ability of the Burlingame Police Department to adequately serve the Project site.

Under CEQA, the need for additional equipment and/or personnel to support police services is not considered a significant impact, unless new facilities would need to be constructed, thereby resulting in physical impacts. The increase in the number of employees and residents at the Project site would be considered minimal compared with the population in the rest of the city. In addition, if needed, communication facilities to maintain communication for the Burlingame Police Department would be exempt from CEQA. Therefore, the Project would not increase the need for police services or staffing to the extent that new police facilities would need to be constructed, resulting in a ***less-than-significant*** impact.

Schools

The Burlingame School District includes six elementary schools and one intermediate school,[80] with a total enrollment of approximately 3,387 students.[81] In addition, Burlingame High School, part of the San Mateo Union High School District, is located in Burlingame. In total, the San Mateo Union High School District serves approximately 9,000 students, and enrollment grows every year.[82]

The Project site is within the service area for Lincoln Elementary School.[83] It would also be served by Burlingame Intermediate School and Burlingame High School.[84] Table 12 provides enrollment information for these three schools for the 2020–2021 school year, the most recent data available.

[76] Ibid.

[77] The population of Burlingame in 2019 was estimated to be 30,317. The number of sworn officers is 40.

[78] 1.3 sworn officers per 1,000 residents = (40 sworn officers/30,317 [population]) × 1,000 residents.

[79] 1.3 sworn officers per 1,000 residents = [40 sworn officers/(30,317 [population] + 774 [Project population]) × 1,000 residents.

[80] Burlingame School District. 2018. *Burlingame School District*. Available: https://www.bsd.k12.ca.us/. Accessed: April 18, 2022.

[81] Education Data Partnership. 2022. *Burlingame Elementary*. Available: http://www.ed-data.org/district/San-Mateo/Burlingame-Elementary. Accessed: March 29, 2022.

[82] San Mateo Union High School District. 2020. *Welcome to the San Mateo Union High School District!* Available: https://www.smuhsd.org/domain/46. Accessed: March 29.2022.

[83] Burlingame School District. 2022. *Burlingame School District, District Boundaries*. Available: https://www.bsd.k12.ca.us/districtboundaries1617. Accessed: March 29, 2022.

[84] Ibid.

Table 12. Public Schools Serving the Project Area

School	2020–2021 School Year Enrollment
Lincoln Elementary School	424 [85]
Burlingame Intermediate	1068 [86]
Burlingame High School	1537 [87]

Source: California Department of Education, 2022

The Project would include 311 units. The Burlingame School District uses a student generation rate of 0.2067 student per housing unit for elementary schools and of 0.0525 for middle schools.[88] For high schools, the state of California high school student generation rate is 0.2 student per housing unit.[89] Using these student generation rates, the 311 new residential units could result in up to 64 elementary school students, 16 middle school students, and 62 high school students. The Project is subject to Senate Bill 50 school impact fees (established by the Leroy F. Greene School Facilities Act of 1998).[90] Section 65996 of the State Government Code states that the payment of the school impact fees established by Senate Bill 50, which may be required by any state or local agency, is deemed to constitute full and complete mitigation for school impacts from development. Therefore, with the payment of school impacts fees, impacts related to schools would be ***less than significant***.

Given the above, the Project adheres to the criteria of CEQA Guidelines Section 15332(e) because the site can be adequately served by all required utilities and public services.

[85] California Department of Education. 2022. *DataQuest: 2020-2021 k-12 Enrollment by Age Range.* Available: https://dq.cde.ca.gov/dataquest/dqcensus/EnrAgeGrd.aspx?cds=41688826043525&agglevel=School&year=2020-21&ro=y. Accessed: March 29, 2022.

[86] Ibid.

[87] Ibid.

[88] SchoolWorks Inc. 2016. *Level 1 – Developer Fee Justification Study for Burlingame School District.* Available: http://bsd-ca.schoolloop.com/file/1236520987086/1403330967436/5172072493375788958.pdf. Accessed: June 18, 2020. Single-family and multi-family residential units combined.

[89] State Allocation Board Office of Public School Instruction. 2008. *Enrollment Certification/ Projection*. Available: https://www.dgsapps.dgs.ca.gov/OPSC/ab1014/sab50-01instructions.pdf. Accessed: April 18, 2022.

[90] State of California. 1998. *School Facilities Bond Act*. Available: http://www.leginfo.ca.gov/pub/97-98/bill/sen/sb_0001-0050/sb_50_cfa_19980715_154314_sen_floor.html. Accessed: March 29, 2022.

Section 4
Exceptions to Categorical Exemptions Checklist

In addition to investigating the applicability of CEQA Guidelines Section 15332 (Class 32), this CEQA document also assesses whether any of the exemptions to qualifying for the Class 32 categorical exemption for an infill project are present. The analysis that follows compares the criteria of CEQA Guidelines Section 15300.2 (Exceptions) to the Project.

Criterion 15300.2(a): Location

	Yes	No
Is there an exception to the Class 32 exemption for the project due to its location in a particularly sensitive environment such that the project may affect an environmental resource of hazardous or critical concern where designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies?	☐	☒

This possible exception applies only to CEQA exemptions under Classes 3, 4, 5, 6, or 11. Because the Project qualifies as a Class 32 urban infill exemption, this criterion is not applicable. The Project is within a developed urban area and not within a sensitive environment. However, designated environmental resources of hazardous or critical concern in the vicinity of the Project site are evaluated under Criterion 2(e), below.

Criterion 15300.2(b): Cumulative Impact

	Yes	No
Is there an exception to the Class 32 exemption for the project due to significant cumulative impacts of successive projects of the same type and in the same place over time?	☐	☒

The effects of the Project would generally be beneficial because the Project would help the city increase its housing supply, including affordable housing units. The Project would place new residents in an area that is well served by existing transit, thereby reducing VMT. The Project would repurpose an underutilized parcel in an already-developed neighborhood with utilities and public services, as well as multimodal transportation access. Any construction effects would be temporary, confined to the Project vicinity, and less than significant. In addition, the Project would be required to follow Municipal Code ordinances and other applicable regulatory requirements.

There are several projects that have either been approved, are currently under construction, or have been proposed to the City of Burlingame that are within approximately 1 mile of the Project site. The following projects have been approved (but not built) or are currently under construction and are within approximately 1 mile of the Project. The number of units associated with each project is identified in parentheses.

- 1 and 45 Adrian Court Project: Mixed-use development (265 apartment units)
- 1431 El Camino Real Project: Residential development (6 condominium units)
- 1457 El Camino Real Project: Residential development (9 condominium units)
- 1870–1876 El Camino Real Project: Residential development (169 apartment units)

- 30 Ingold Road Project: Mixed-use development (298 apartment units)
- 1814–1820 Ogden Drive Project: Residential development (90 condominium units)
- 1868–1870 Ogden Drive Project: Residential development (120 condominium units)
- 480 El Camino Real Project: Mixed-use development (9 apartment units)[91]*

The following projects have been proposed (but not yet approved) and are within 1 mile of the Project site. The number of units associated with each project is identified in parentheses.

- 1200–1338 Bayshore Highway Project: Office/Research & Development (R&D) development (1.5 million square feet)
- 1669/1699 Bayshore Highway and 810/821 Malcolm Road Project: Office/R&D development (475,790 square feet)
- Rollins Road Specific Plan Area Project: Long Range Development Plan
- Peninsula Wellness Community Project: Mixed-use development (400 senior housing units)
- 1855–1881 Rollins Road Project: Residential development (420 apartment units)
- Sister of Mercy Campus Project: (Planned campus improvements)
- 230 Broadway Project: Mixed-use development (unknown)*
- 130 El Camino Real Project: Mixed-use development (30 apartment units)*
- 97 Broadway Project: Residential development (97 senior housing units)*
- 210 Adrian Road Project: Life Sciences development (263,042 square feet)*
- 30 Rollins Road Project: Life Sciences development (570,000 square feet)*
- 111 Rollins Road Project: Life Sciences development (10,000 square feet)*

This document evaluates cumulative impacts using the General Plan EIR because the Project is consistent with the applicable land use plans and policies of the 2040 General Plan.[92] The General Plan EIR is incorporated by reference and available for public review online.[93] The General Plan EIR is available for public review at the City of Burlingame Planning Department at 501 Primrose Road, Burlingame, California, 94010.

The General Plan EIR evaluated future development, as identified in the 2040 General Plan. As stated previously, future development is planned within 1 mile of the Project site. General Plan EIR, Chapter 22, *CEQA Mandated Components*, concluded that implementation of the 2040 General Plan would result in less-than-significant impacts with respect to cumulative impacts on the following resources: aesthetics; agricultural resources; air quality; biological resources; geology, soils, and minerals; hazards and hazardous materials; historic and cultural resources; hydrology and water quality; land use and planning; noise; population and housing; public services; and utilities. Given the conclusions in the General Plan EIR; given that the Project would have a less-than-significant impact on the aforementioned resources; and given that future projects would be required to adhere to federal and state regulations, as well as local regulations identified in the 2040 General Plan, the

[91] An asterisk (*) indicates projects that are located in the City of Millbrae, but within 1 mile of the Project site.

[92] City of Burlingame. 2019. *Envision Burlingame Draft Environmental Impact Report*. June 28, 2018.

[93] The General Plan EIR is available at https://www.burlingame.org/generalplan.

Project's contribution to impacts on the aforementioned resources would not be singularly or cumulatively considerable.

General Plan EIR, Chapter 18, *Transportation and Circulation*, also includes a cumulative transportation impact analysis. The General Plan EIR concluded that implementation of local regulations and 2040 General Plan policies would ensure that cumulative transportation impacts would be less than significant.[94] As discussed in Criterion Section 15332(d): Traffic, the Project would result in a less-than-significant impact with respect to VMT; roadway segments; access and circulation; and pedestrian, bicycle, and transit facilities. Given the Project's less-than-significant impacts and given that future projects would be required to adhere to local regulations and 2040 General Plan policies, the Project's contribution to cumulative transportation impacts would not be singularly or cumulatively considerable. Therefore, the exception under CEQA Guidelines Section 15300.2(b) does not apply to the Project.

Criterion 15300.2(c): Significant Effect

	Yes	No
Is there an exception to the Class 32 exemption for the project because there is a reasonable possibility that the project will have a significant effect on the environment due to unusual circumstances?	☐	☒

There are no known unusual circumstances that would be applicable to the Project or its site that would result in a significant effect on the environment (see also the further discussion under Criterion 15300.2(e): Hazardous Waste Sites, regarding hazardous materials). Therefore, the exception under CEQA Guidelines Section 15300.2(c) does not apply to the Project.

Criterion 15300.2(d): Scenic Highway

	Yes	No
Is there an exception to the Class 32 exemption for the project because it may result in damage to scenic resources, including, but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway officially designated as a state scenic highway?	☐	☒

The Project site has no trees, historic buildings, rock outcroppings, or similar visual resources within a highway that has been officially designated as a state scenic highway. The nearest scenic highway, Interstate 280, is approximately 1.5 miles west of the Project site; the Project site is not visible from that freeway. Therefore, the exception under CEQA Guidelines Section 15300.2(d) does not apply to the Project.

[94] The General Plan EIR included a conclusion for LOS impacts. The LOS conclusions are not considered here because CEQA does not consider impacts on LOS to be an environmental effect.

Criterion 15300.2(e): Hazardous Waste Sites

	Yes	No
Is there an exception to the Class 32 exemption for the project because the project is located on a site that is included on any list compiled pursuant to Section 65962.5 of the Government Code?	☐	☒

The provisions of Government Code Section 65962.5 are commonly referred to as the "Cortese List." The provisions require the Department of Toxic Substance Control, the State Water Resources Control Board, the California Department of Public Health,[95] and the California Department of Resources Recycling and Recovery to submit information pertaining to sites associated with solid waste disposal, hazardous waste disposal, leaking underground tank sites, and/or hazardous materials releases to the Secretary of California Environmental Protection Agency.

A Phase I ESA was prepared by Professional Service Industries, Inc., (PSI) for the Project site in July 2021, in accordance with ASTM Practice E1527-13. The Phase I ESA identified that the Project site is not located on a Cortese List Site, nor are there any Cortese sites within 0.5 mile of the Project site. The nearest Cortese List site, the area between 860 Stanton and 855–857 Malcolm Road (EnviroStor No. 41280136), is 0.6 mile from the Project Site.[96].

Although the Project site has not been identified on any lists compiled pursuant to Government Code Section 65962.5, previous environmental assessments and investigations have identified residual soil, soil vapor, and groundwater contamination on the Project site. The Phase I ESA found an active leaking underground storage tank (LUST) case associated with the adjoining property to the north (1111 Trousdale Drive). According to the databases, there was an unauthorized release of gasoline from the 12,000-galllon UST that affected the subsurface. Remedial action took place, groundwater monitoring wells were installed, and approximately 600 cubic yards of soil were excavated. Based on the distance from the subject property and the identified contaminants, the Phase I ESA considers this active LUST case to represent a REC to the subject property.[97]

Consequently, a limited soil vapor investigation and health risk assessment was conducted for the Project site and included soil vapor probe installation, sample collection, and analysis. The limited soil and groundwater investigation concluded that considering the proposed development plans and the existing environmental condition of the Project site, the health risk from vapor intrusion into indoor air (residential users) and trench air (construction workers) is below the *de minimis* risk level for chemicals detected in soil vapor and groundwater. Because the health risk is below the *de minimis* risk level, mitigation measures are not warranted to address VOCs in soil vapor or groundwater.

The Phase I ESA also identified nearby hazardous waste properties that may present environmental concerns to the Project site. These properties are summarized in Table 13. The properties described in Table 13 are not considered RECs for the Project site.

[95] Formerly the California Department of Health Services.

[96] Intertek PSI. 2021. *Phase I Environmental Site Assessment*. July 1.

[97] Intertek PSI. 2021. *Phase I Environmental Site Assessment*. July 1.

Table 13. Nearby Properties of Potential Environmental Concern

Property Name	Property Address	Distance from Closest Parcel	Environmental Concern	Status
Lunardis Food Market #8	1825 El Camino Real Burlingame CA 94010	0.07 mile	Hazardous waste is stored at this property; refrigerant	Unknown (violation recorded in 2017)
SFO46	1828 El Camino Real Burlingame CA 94010	0.08 mile	Hazardous waste is stored at this property	Unknown
AT&T Mobility-Burlingame 12701	1828 El Camino Real Burlingame CA 94010	0.08 mile	Hazardous waste is stored at this property	Unknown
SciBac Inc.	1828 El Camino Real Ste 704 Burlingame CA 94010	0.08 mile	Hazardous waste is stored at this property	Unknown
City of Burlingame Police Dept	1111 Trousdale Dr Burlingame CA 94010	0.02 mile	Hazardous waste is stored at this property	Unknown
Guittard Chocolate Co	10 Guittard Rd Burlingame CA 94010	0.09 mile	Hazardous waste is stored at this property	Unknown

Because the Project site is not on any list compiled pursuant to Section 65962.5 of the Government Code, the exception under CEQA Guidelines Section 15300.2(e) does not apply to the Project. Impacts would be ***less than significant***.

Criterion 15300.2(f): Historical Resources

	Yes	No
Is there an exception to the Class 32 exemption for the project because the project may cause a substantial adverse change in the significance of a historical resource?	☐	☒

Built Resources

The Project site is located at the intersection of El Camino Real and Trousdale Drive near Burlingame's northwest boundary. It lies within a commercial area generally characterized by one- to six-story commercial office and institutional buildings. The adjoining parcel to the north contains the Burlingame Police Department, and the Caltrain right-of-way is located approximately 300 feet from the Project site. The Project site contains a one-story Midcentury Modern-style commercial office building that faces the El Camino Real commercial corridor and once housed a museum and medical offices.

The building located on the Project site was constructed in 1959. Because the building is more than 50 years old, it is of the age at which built-environment resources typically can become eligible for listing in the California Register of Historical Resources (CRHR). Buildings that are listed or are eligible for listing in the CRHR would meet CEQA's definition of a historical resource. Built-

environment resources refer to buildings, structures, objects, and districts.[98] The building has not been designated in a local historical resource inventory and has not been identified as significant in a qualifying local historical resource survey. In 2020, ICF documented the building on a California Department of Parks and Recreation form, which includes an evaluation of the building's eligibility for CRHR listing (Appendix G, *Department of Parks and Recreation Form*). ICF's evaluation found that the existing building at 1766 El Camino Real does not have significance under any of the CRHR evaluative criteria and is not eligible for listing in the CRHR. Therefore, the building does not qualify as a historical resource under CEQA, as defined in CEQA section 21084.1 and CEQA Guidelines section 15064.5(a)(3).

Generally speaking, new construction may also have the potential to cause a substantial adverse change in the significance of historical resources that are adjacent to where construction activities would take place. Substantial adverse change would occur if new construction would alter the setting of adjacent resources or create ground-borne vibrations that would damage a nearby resource's physical characteristics that convey its historical significance. The only built-environment resource that is of historic age (over 50 years old) in the immediate vicinity of the Project site appears to be the four-story commercial office building at 1750 El Camino Real, located immediately to the east of the Project site, which was constructed prior to 1968.[99] The building at 1750 El Camino Real does not appear to have previously been included in a local register of historical resources, identified in a qualifying historical resources survey, or otherwise evaluated to determine if it qualifies as a historical resource for the purposes of CEQA review.

Although the CEQA historical resource status of the building at 1750 El Camino Real is not known, the Project does not appear to have the potential to cause a substantial adverse change in the building's significance were it to be a historical resource. The construction of a multistory building within the Project site would not be expected to substantially degrade the setting of the building, given that it exists in a developed suburban environment that has accommodated various campaigns of new construction since 1750 El Camino Real was built. Construction of the Project would be consistent with past changes that have occurred in the vicinity of the Project site. Furthermore, construction of the Project also does not have the potential to damage the adjacent historic-aged property. Construction activities related to the Project could occur approximately 25 feet from 1750 El Camino Real. As described in greater detail in Section 15332(d), Noise, construction equipment is not anticipated to involve pile-driving but instead would include a drill rig. At the identified distance, ground-borne vibrations created by Project-related construction activities would be expected to attenuate to the degree that the vibrations would remain below the damage thresholds for "modern industrial/commercial buildings" (the property category specified in Caltrans' *Transportation and Construction Vibration Guidance Manual* that could apply to the adjacent historic-aged building, which was built in the mid-20th century). As a result of the vibration analysis, ICF has determined that construction related to the Project is not expected to cause damage to the physical characteristics of adjacent buildings. Therefore, the Project would not cause a substantial adverse change in the historical significance of the adjacent age-eligible buildings, were they to be historical resources under CEQA.

[98] National Park Service. 1995. National Register Bulletin: How to Apply the National Register Criteria for Evaluation. Washington, D.C.: U.S. Department of the Interior. Page 4-5.

[99] Nationwide Environmental Title Research, LLC (NETR). 2022. Historic aerial photograph, 1968 1750 El Camino Real, Burlingame, CA. Available: http://www.historicaerials.com. Accessed: March 31, 2022

Archaeological Resources

An ICF archaeologist conducted a review of existing literature in the California Historical Resources System at the Northwest Information Center (NWIC) on February 21, 2020, for a different project at the same location. The archaeologist examined the Project site, as well as 0.5-mile buffer, to identify any previously conducted archaeological or cultural resource studies. Two previously conducted cultural resource studies were found that cover the Project site (Table 14) and seven previously conducted cultural resource studies were found that cover areas within 0.5 mile of the Project site.

Table 14. Previously Conducted Cultural Resource Studies within the Project Site

Study Number	Author	Date	Title	Description
S-38063	Neil Kaptain	2009	Smart Corridors Geoarchaeological Sensitivity Research	No cultural resources were identified within the Project site. Two previously recorded precontact shell mounds (CA-SMA-74 and CA-SMA-76) were identified west of the 1766 El Camino Project site.
S-39104	Far Western	2012	Archaeological Investigations for the State Route 82 Signal Interconnect and Intersection Modification Project, San Mateo County, California	No cultural resources were identified within the Project site. Two previously recorded archaeological sites (CA-SMA-6/H and CA-SMA-300), a newly recorded site (CA-SMA-397H), and disarticulated human remains, all outside the 1766 El Camino site, were recorded in this study.

No previously recorded archaeological resources were identified within the Project site. However, seven previously recorded archaeological resources were identified within 0.5 mile of the Project site. One resource is an informally recorded site on the previous Montara Mountain base map (C-118); the remaining six are recorded as precontact midden deposits. The presence of these resources in the vicinity of the Project site indicates that the area has high sensitivity for other precontact occupation sites. Table 15 identifies the seven archaeological resources.

Table 15. Previously Recorded Resources within 0.5 Mile of the Project Site

Trinomial	P-Number	Formally Evaluated for CRHR or NRHP	Description
N/A	C-118[100]	No	The brief, informal site record reads, "[u]nnumbered site on the previous Montara Mtn. base map, archived in the spring of 1987." No additional details, such as study number, field name, or report author, were provided.
CA-SMA-74	P-41-000077[101]	No	Originally recorded in 1952 as a group of shell mounds that have been disturbed by construction of Magnolia Avenue. A surface survey conducted in 1990 noted that the site consisted of a large, open field containing surface scatters of shell, lithic material, and a few fire-cracked rocks. Buried deposits may still be present.
N/A	P-41-000079[102]	No	Recorded in 1951 as a 6-foot-high shell mound, consisting mostly of oysters. Part of the mound was recorded as "dug away to use for walks."
CA-SMA-90	P-41-000093[103]	No	Recorded in 1954 as either a series of shell mounds or one large mound that had been completely destroyed by tract development. One mano (a grinding stone) was recovered from the site.
CA-SMA-91	P-41-000094[104]	No	This resource was recorded in 1954 as a possible midden deposit. A flat area of dark sand was observed "almost adjacent" to CA-SMA-90. L.L. Valdivia remarked that the site was most likely not associated with CA-SMA-90 because the artifacts, quartz projectile points, charmstones, and chert scrapers may represent a different time of occupation.
CA-SMA-102	P-41-000105[105]	Yes. Recommended as eligible for listing in NRHP under Criterion D.	Originally recorded in 1968 as a shell mound mixed with surrounding floodplain sediments and disturbed by construction. A mortar and some mammal bones were observed 2 years prior. A pedestrian survey conducted in 2009 failed to relocate the site, most likely due to low visibility. The subsurface indicated a midden deposit within 500 of the resource.

[100]Anonymous. 1987. Informal site record for C-118. Record on file at the NWIC.

[101] Bocek, Barb. 1990. Site record for P-41-000077 (CA-SMA-74). Record on file at the NWIC.

[102] Meighan and Valvidia. 1952. Site record for P-41-000079. Record on file at the NWIC.

[103] Klasser, A. 1954. Site record for P-41-0000093 (CA-SMA-90). Record on file at the NWIC.

[104] Valvidia, L.L. 1954. Site record for P-41-000094 (CA-SMA-91). Record on file at the NWIC.

[105] Bocek, Barb. 1989. Site record for P-41-000302 (CA-SMA-300). Record on file at the NWIC.

Trinomial	P-Number	Formally Evaluated for CRHR or NRHP	Description
CA-SMA-300	P-41-000301[106]	No	Recorded in 1968 as a large shell mound heavily disturbed by development associated with El Camino Real, cross streets, utilities, and residences. Artifacts included oysters, mussels, clams, crab claws, burned rock, and occasional flakes, which were visible on the surface, along the roads, and on a portion of the unlandscaped ground.

NRHP = National Register of Historic Places

The geologic setting in the vicinity of the Project site has been altered over time. The Project site sits on the Pleistocene-age Colma Formation.[107] This formation, which predates human occupation in California, is composed of yellowish-orange, brown, and grey marine sediments, with smaller amounts of clay, silt, and gravel.[108] Geotechnical analysis conducted by BAGG Engineers in 2006, and updated in 2019, reported 3 feet of artificial fill sitting on top of Colma Formation.[109] This fill was most likely imported during early to mid-20th century development in the area.

The Oakland Museum's Creek and Watershed Map of San Mateo County shows tidal marshes immediately west of the Project site.[110] Tidal marshes were important resource collection areas for the native people of the Bay Area and are often associated with human occupation. The presence of freshwater creeks north (Millbrae Creek) and south (Mills Creek) of the Project site, shore birds, and marine resources makes the tidal marshes rich in dietary material. Historic aerial photographs depict the Burlingame marshlands gradually succumbing to commercial and small residential developments in the 1940s.[111] In the 1950s, the area of tidal marshes east of the Project site was filled and subdivided.[112] By 1968, the Project site and adjacent lands were completely developed and covered by buildings or pavement.

The presence of precontact resources in the vicinity of the Project site, combined with historic nearshore tidal marshes, indicates increased sensitivity for subsurface archaeological materials. In addition, the lack of cultural resource studies for the Project site indicates that the area has not been

[106] Jones, Jessica. 2010. Site record for P-41-000105 (CA-SMA-102). Record on file at the NWIC.

[107] Brabb, E.E., R.W. Graymer, and D.L. Jones. 1998. *Geology of the Onshore Part of San Mateo County, California: A Digital Database*. U.S. Geological Survey Open-File Report 98-137. Available: https://pubs.usgs.gov/of/1998/of98-137/. Accessed: April 28, 2020.

[108] Peterson, C.D. E. Stock, J. Meyer, P. Kaijankoski, and D.M. Price. 2015. Origins of Quaternary Coastal Dune Sheets in San Francisco and Monterey Bay, Central California Coast, U.S.A.: Reflecting Contrasts in Shelf Depocenters and Coastal Neotectonics. In *Journal of Coastal Research* 31(6):1317–1333.

[109] BAGG Engineers. 2019. *Report Update: Geotechnical Engineering Investigation, Proposed Seven-Story Multi-Use Building, 1766 El Camino Real, Burlingame, CA.* Prepared for the Certosa Corporation; BAGG Engineers. 2008. *Geotechnical Engineering Investigation Proposed Senior Convalescent Center, 1766 El Camino Real, Burlingame, CA*. Prepared for the Certosa Corporation.

[110] Tillery, A.C. J.M. Sowers, and S. Pearce. 2006. C*reek and Watershed Map of San Mateo and Vicinity.* Oakland Museum of California, 1:25,800 scale.

[111] Nationwide Environmental Title Research. 2018. *Historic Aerials*. Available: https://www.historicaerials.com/viewer. Accessed July 25, 2018; EDR. 2020. *The EDR Aerial Photo Decade Package for 1766 El Camino Real, Burlingame, CA*. Prepared for ICF.

[112] Dumovich, Andrea. 2020. *Site Record for 1766 El Camino Real*. Prepared for the NWIC.

thoroughly analyzed; therefore, there may be increased potential for encountering as-yet unknown archaeological deposits at the Project site.

Although the previously developed Project site is in an area with known imported fill, the extent of the fill material is unknown.[113] The maximum depth of planned excavation is 33 feet bgs. These deep ground disturbing activities have the potential to affect intact and as-yet undocumented archaeological resources at the interface between fill and Colma Foundation during construction.[114] However, as a condition of approval, the city would require the Project applicant to require, as condition in its construction contract, that all personnel conducting ground-disturbing activities receive preconstruction archaeological sensitivity training. The training would include basic information about the types of artifacts that might be encountered during construction activities and identify the protocol for unanticipated archaeological discoveries, including stopping construction work if an archaeological material or feature is encountered during ground-disturbing activities, thereby preventing further disruption and possible damage. The city would also require, as a condition of approval, that in the event of an unanticipated archaeological discovery, the resource be properly evaluated by a qualified archaeologist. If determined to be a unique archaeological resource pursuant to Public Resources Code Section 21083.2 or a tribal cultural resource pursuant to Public Resources Code Section 21074, a treatment plan would be developed in consultation with Native American stakeholders as applicable. Therefore, the Proposed Project would not cause substantial adverse changes to archaeological resources, were they to be historical resources under CEQA.

In consideration of the analysis outlined above, the exception under CEQA Guidelines Section 15300.2(f) does not apply to the Project. Impacts would be ***less than significant***.

[113] BAGG Engineers. 2019. *Report Update: Geotechnical Engineering Investigation, Proposed Seven-Story Multi-Use Building, 1766 El Camino Real, Burlingame, CA.* Prepared for The Certosa Corporation.

[114] Ibid.

Section 5
Conclusions

On the basis of the evidence provided in this document, the Project is eligible for a Class 32 categorical exemption, in accordance with Section 15332, Infill Development Projects, of the CEQA Guidelines. Based on City of Burlingame threshold criteria, no additional substantial adverse impacts, beyond those discussed above, are anticipated. Because the Project meets the criteria for categorically exempt infill development projects, and because it would not have a significant effect on the environment, this analysis finds that a Notice of Exemption may be prepared for the Project. No further review is needed.

Appendix A
TDM Plan

HEXAGON TRANSPORTATION CONSULTANTS, INC.

1766 El Camino Real Residential Development

Transportation Demand Management Plan

Prepared for:

City of Burlingame on Behalf of Carmel Partners

December 7, 2021

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1. Introduction

Transportation Demand Management (TDM) is a combination of services, incentives, facilities, and actions that reduce single-occupant vehicle (SOV) trips to help relieve traffic congestion, parking demand, and air pollution problems. The purpose of TDM is to promote more efficient utilization of existing transportation facilities, and to ensure that new developments are designed to maximize the potential for sustainable transportation usage. This Plan has been prepared for the proposed residential development at 1766 El Camino Real in Burlingame, California. The City of Burlingame Zoning Code for the North Burlingame Mixed Use Zone (Section 25.40.050.G) allows for up to a 20% reduction in the required number of vehicular parking spaces if the project implements a Transportation Demand Management (TDM) Plan that achieves a permanent mobility mode shift towards alternative transportation of 25% or greater. This plan has been prepared with the goal of achieving at least a 25 percent trip reduction. Given that the project is expected to add more than 100 average daily trips, a San Mateo City/County Association of Governments (C/CAG) trip reduction analysis per the TDM Policy Update (September 1, 2021) was prepared.

Project Description

The project is located at 1766 El Camino Real in Burlingame, California (see Figure 1). The project would consist of 311 apartment units in an eight-story building with 2.5 levels of underground parking. The site plan shows that access to the underground parking garage would be provided via a driveway along El Camino Real and a driveway along California Drive (see Figure 2).

Based on the City of Burlingame Zoning Code for the North Burlingame Mixed Use Zone, the project is required to provide 1 parking space per studio or one-bedroom apartment, 1.5 parking spaces per two-bedroom unit, and 2 parking spaces per three-bedroom unit. The project proposes 324 parking spaces, representing a 20% deficit in the number of required spaces, which requires implementation of this TDM Plan.

Figure 1
Site Location

Figure 2
Site Plan

TDM Goals

This TDM Plan responds to the City of Burlingame TDM Program requirement and includes a broad range of TDM measures designed to reduce single-occupant vehicle trips through a combination of appropriate measures to promote alternative forms of transportation. The objective of the TDM Program is to encourage residents to walk, bike, or use existing transit services. The program complies with the City's current expectations for TDM measures and incorporates current best practices for reducing vehicle trips.

Trips that would be generated by the proposed project were estimated using trip rates from the Institute of Transportation Engineers (ITE) *Trip Generation Manual, 11th Edition* for "Multifamily Housing (Mid-Rise)" (Land Use 221). Before TDM reductions, the proposed project is estimated to generate a total of 1,412 daily trips with 115 trips during the AM peak hour and 121 trips during the PM peak hour.

As shown in Table 1, in order to meet the City's 25 percent reduction requirement, at least 29 AM peak hour and 31 PM peak hour trips would need to be eliminated through implementation of the various TDM measures. Stated conversely, the project would be required to generate no more than 86 AM peak hour trips and 90 PM peak hour trips.

Table 1
Trip Generation Estimates

Land Use	Size		Rate	Trip	Rate	Trip In	Trip Out	Trip Total	Rate	Trip In	Trip Out	Trip Total
Proposed Land Uses												
Apartments[1]	**311**	Dwelling Units	4.540	1,412	0.370	26	89	115	0.390	74	47	121
25% Required TDM Reduction				-353		-7	-22	-29		-19	-12	-31
Gross Project Trips				1,059		19	67	86		55	35	90

Source: ITE Trip Generation Manual, 11th Edition 2021.
[1] Average trip rates for Multifamily Housing Mid-Rise (Land Use 221), expressed in trips per dwelling unit (DU)

2. Transportation Facilities and Services

Transportation facilities and services that support sustainable modes of transportation include commuter rail, buses and shuttle buses, bicycle facilities, and pedestrian facilities. This chapter describes existing facilities and services near the project site that will support the TDM measures contained in this plan. Information on nearby roadways are also included in order to provide a more comprehensive description of the nearby transportation network.

Roadway Network

Regional access to the project site is provided via US 101. Local access to the site is provided on El Camino Real (SR 82), Millbrae Avenue, Broadway, California Drive, and Trousdale Drive. These roadways are described below. Although all streets in the study area run at a diagonal compared to the ordinal directions, for the purposes of this study, US 101 and all parallel streets are considered to run north-south, and cross streets are considered to run east-west.

US 101 is a north/south, eight-lane freeway in the vicinity of the site. US 101 extends northward through San Francisco and southward through San Jose. Access to and from the project study area is provided via a full interchange at Millbrae Avenue, northbound ramps at Old Bayshore Highway, and southbound ramps at Broadway.

El Camino Real (SR 82) is a north/south arterial that extends northward to San Francisco, and southward to San Jose. In the project vicinity, El Camino Real has six lanes north of Dufferin Avenue, with left turn lanes at signalized intersections. South of Dufferin Avenue, El Camino Real is narrowed to four lanes. The posted speed limit in the project area is 35 mph. In the project area, a northbound frontage road on El Camino Real runs along the project frontage and extends between Murchison Drive and Dufferin Avenue. Sidewalks are present along the east side of the frontage road and at the corners of the Trousdale Drive/ El Camino Real intersection in the project area. On-street parking is permitted on both sides of the frontage road along the project frontage. The frontage road provides direct access to the project's parking garage via an existing right-turn only driveway and a proposed passenger loading area along the project frontage.

Millbrae Avenue is an east/west arterial that extends westward from Old Bayshore Highway to Vallejo Drive and I-280, where it terminates. Millbrae Avenue connects the western residential areas of the City of Millbrae to the regional roadways, El Camino Real and US 101. Millbrae has six lanes between El Camino Real and US 101, with a median that provides left-turn pockets at the major intersections. The posted speed limit in the project area is 35 mph. Although there are sidewalks on both sides of Millbrae Avenue, the sidewalk on the north side terminates at the Chevron gas station, located just east of Millbrae Station. Access to the project site from Millbrae Avenue is provided via El Camino Real.

Broadway is an east/west arterial that extends westward from Old Bayshore Highway to Roosevelt Elementary School, where it terminates. In the project vicinity, Broadway has six lanes, with multiple left turn lanes at major intersections. The posted speed limit in the project area is 35 mph. There are sidewalks on both sides of Broadway, with the exception of the south side on the overpass over US 101. Access to the project site from Broadway is provided via El Camino Real and California Drive.

California Drive is a north/south arterial that extends southward from Linden Avenue in Millbrae to Peninsula Avenue, where it becomes San Mateo Drive in San Mateo. In the project area, California Drive has two lanes with bike lanes on both sides of the street and sidewalks along the west side of the street. The posted speed limit in the project area is 35 mph. California Drive provides direct access to the site via an existing full-access driveway.

Trousdale Drive an east/west arterial that extends westward from California Drive to I-280. Trousdale Drive has four lanes west of El Camino Real and two lanes east of El Camino Real. The posted speed limit on Trousdale Drive west of El Camino Real is 35 mph. There are sidewalks on both sides of the street and on-street parking is permitted on both sides of the street between El Camino Real and California Drive. Trousdale Drive provides access to the project's proposed residential passenger loading area.

Bicycle Facilities

Bicycle facilities are an important component of the City of Burlingame's transportation network. The City's bikeways are classified as Class I, Class II, or Class III facilities, as follows:

- Class I Bicycle Path – off-street paths with exclusive right-of-way for non-motorized transportation used for commuting as well as recreation
- Class II Bicycle Lane – lanes on roadways designated for use by bicycles with special lane markings, pavement legends, and signage
- Class III Bicycle Route – existing rights-of-way that accommodate bicycles but are not separate from the existing travel lanes

The existing bicycle facilities within the study area are described below and are shown on Figure 3.

North-South bicycle connections in the study area consist of a bike lane/bike route along California Drive, from Burlingame Avenue to Linden Avenue where bicycle riders can access the Millbrae Station. Between Broadway and Murchison Drive, there are bike lanes on both sides of California Drive. A bike route also exists on El Camino Real, north of Millbrae Avenue. The bike lane/route along California Drive provides a connection to the project site from transit facilities and other points on interest in the area.

East-West bicycle connections in the study area consist of a bike route along Broadway, from Carolan Avenue to where Broadway becomes Airport Boulevard. It begins as a bike route at Carolan Avenue and connects to the bike/pedestrian bridge over US 101 to Airport Boulevard. From Airport Boulevard, bicycle riders can connect to a bicycle/pedestrian path (the San Francisco Bay Trail) or a bike lane/bike route on Airport Way. The City also designated Trousdale Drive between Magnolia Avenue and Ashton Avenue and Rosedale Avenue/Ray Drive between California Drive and Devereux Drive as bike routes.

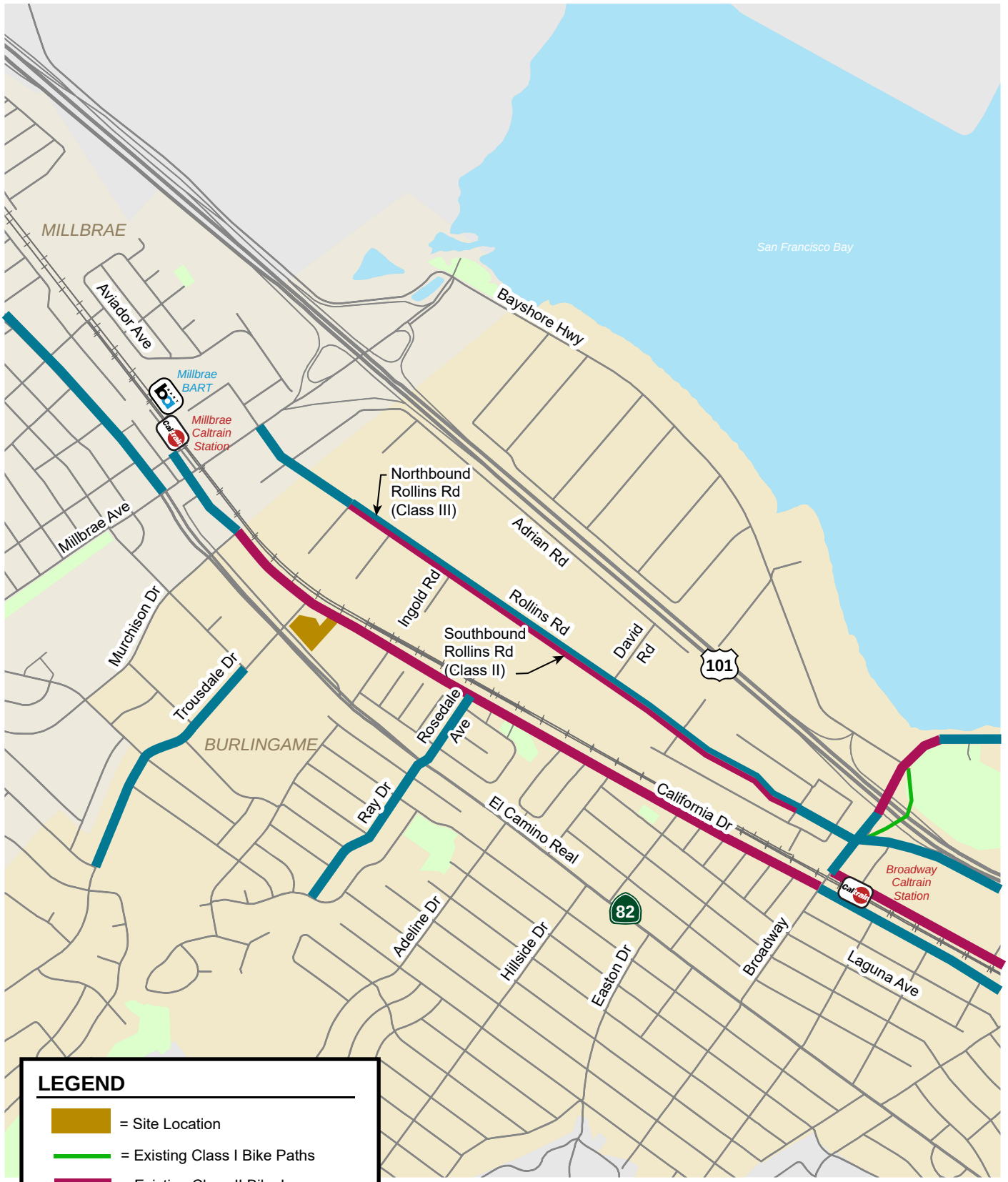


Figure 3
Existing Bicycle Facilities

Pedestrian Facilities

Pedestrian facilities consist of sidewalks, crosswalks, and pedestrian signals at signalized intersections. In the vicinity of the project site, sidewalks exist along both sides of Trousdale Drive, the west side of California Drive along the project frontage, and the east side of the El Camino Real frontage road along the project frontage. Crosswalks with pedestrian signal heads and push buttons are provided on the east, south, and west legs of the El Camino Real/Trousdale Drive intersection and all approaches of the El Camino Real/Murchison Drive and El Camino Real/Millbrae Avenue intersections within walking distance of the site. Within a typical walking distance (a half mile or 10 minutes), continuous pedestrian facilities are present between the site and the surrounding land uses, including the Millbrae Station and bus stops in the area.

Millbrae Intermodal Station

The Millbrae Station is located about 0.5 miles northwest of the project site on California Drive, which is approximately a 10-minute walk. The station has bike racks and bike lockers. The Millbrae Station is served by Caltrain, Bay Area Rapid Transit (BART), SamTrans, and shuttles (see Figure 4).

Caltrain

Caltrain provides commuter rail service between San Francisco and San Jose, with limited service to Gilroy during commute hours.

The Millbrae Station is served by local-stop, limited-stop, and baby bullet trains. During the morning peak period of 6:00 to 9:30 AM, the Millbrae Station is served by 14 northbound trains (four local-stop, seven limited-stop, and three baby bullet trains) with headways of 10 to 20 minutes. Thirteen southbound trains (four local-stop, six limited-stop, and three baby bullet trains) serve the Millbrae Station in the AM peak period with headways between 8 and 21 minutes.

During the PM peak period between 3:30 and 7:30 PM, the station is served by 15 northbound trains (four local-stop, eight limited-stop, and three baby bullet trains) with headways between 8 and 27 minutes. Fifteen southbound trains (four local-stop, eight limited-stop, and three baby bullet trains) with headways between 9 and 20 minutes serve the Millbrae Station during the PM peak period.

As part of the Caltrain Modernization Program, the rail service will be electrified. With the electrification of service, Caltrain will be able to provide faster and more frequent service along the corridor, including at the Millbrae Station.

BART

BART operates regional rail service in the Bay Area, connecting between San Francisco International Airport and the Millbrae Intermodal Station to the south, San Francisco to the north, and cities in the East Bay. BART trains operate on 15-minute headways during peak hours and 20-minute headways during off-peak hours. The Richmond-Millbrae line (Red) and Millbrae-SFO-Antioch line (Purple/Yellow) provide service to the Millbrae Station.

Figure 4
Existing Transit Services

Shuttles

Millbrae/Broadway Shuttle

The Millbrae/Broadway (MB) Shuttle is operated by the San Mateo County Transit District (SamTrans) and runs between the Broadway Station and Millbrae Station. There are 13 shuttles provided during both the AM and PM peak periods, with 30-minute headways. The shuttles run during the weekday commute hours and are free for Caltrain passengers.

North Burlingame BART/Caltrain Shuttle

The North Burlingame (NB) Shuttle is operated by Commute.org and runs between the Millbrae Station, Mills-Peninsula Health Services, Sisters of Mercy, and the Easton Addition neighborhood during commute hours, Monday through Friday. There are 6 shuttles provided during the AM peak hours and 7 shuttles during the PM peak hours with headways between 28 and 32 minutes during the AM peak hour and 30-minute headways during the PM peak hour. Shuttles are free to riders and open to the general public.

Burlingame Bayside BART/Caltrain Shuttle

The Burlingame-Bayside (BAY) Shuttle is operated by Commute.org and runs between the Millbrae Station and the Burlingame Bayside Area during commute hours, Monday through Friday. There are 5 shuttles provided during the AM and PM peak periods with 30-minute headways. Shuttles are free to riders and open to the general public.

Foster City-North BART/Caltrain

The Foster City-North (NFC) Shuttle is operated by Commute.org and runs between the Millbrae Station and businesses in the North Foster City Area during commute hours, Monday through Friday. There are 4 shuttles during the AM peak period, with headways between 42 and 60 minutes. There are 4 shuttles during the PM peak period with headways between 45 and 60 minutes. Shuttles are free to riders and open to the general public.

SamTrans Bus Service

The closest bus stops are located on El Camino Real at Trousdale Drive, approximately 350 feet from the project site. This stop is served by SamTrans Route ECR and 397. Route ECR provides service between the Daly City BART Station and the Palo Alto Transit Center. Route 397 is a limited overnight service, operating from 12:46 AM to 6:32 AM, between the Palo Alto Transit Center and San Francisco.

The next closest bus stop is located at the Millbrae Station West Plaza, approximately 2,300 feet from the project site, which is served by SamTrans Route SFO. Route SFO travels between the Millbrae Station and the San Francisco Airport (SFO).

3. Proposed TDM Measures

This chapter describes Transportation Demand Management (TDM) measures that are proposed by the project. The measures listed in this plan have been developed to meet the 25 percent trip reduction requirement set forth in the City of Burlingame Zoning Code for the North Burlingame Mixed Use Zone (Section 25.40.050.G) which allows for up to a 20% reduction in the required number of vehicular parking spaces if the project implements a Transportation Demand Management (TDM) Plan that results in a permanent mobility mode shift towards alternative transportation of 25% or greater.

The TDM measures to be implemented by the project include services, incentives, actions, and planning and design measures related to the attributes of the site design and site amenities. Such design measures encourage walking, biking, use of transit, and internalization of trips. Some of the TDM measures are programs that would be created and implemented by the building manager.

Because the project would generate more trips in the PM peak hour than the AM peak hour, the PM peak-hour estimate of trips is used to determine the number of trip credits required. The project would generate 115 AM peak-hour trips and 121 PM peak-hour trips, so in order to meet the City's 25 percent reduction requirement, at least 29 AM peak hour trips and 31 PM peak hour trips would need to be eliminated through implementation of the various TDM measures.

TDM Administration and Promotion

Transportation Coordinator

A Transportation Coordinator will be assigned to provide information regarding alternative modes of transportation to residents of the project. The Transportation Coordinator will be designated by the building developer, the property manager, or any subsequent building owner.

The Transportation Coordinator's responsibilities will include updating information on the online information board/kiosk, providing trip planning assistance and/or ride-matching assistance to residents who are considering an alternative mode for their commute, and managing the annual surveys. The Transportation Coordinator will maintain a supply of up-to-date transit schedules and route maps for SamTrans and Caltrain and be knowledgeable enough to answer residents' TDM program-related questions. The Transportation Coordinator will distribute a carpool/vanpool matching application to all residents as part of the New Resident Information packets. The application will match residents who live at the project site who may be able to carpool or vanpool together.

Online Transportation Kiosk

The project will establish an "online kiosk" with transportation information that residents can access from their smart phones, their homes, or anywhere else. This online kiosk will be available on the project website.

By allowing someone to have all the information about transportation alternatives and TDM programs available to them in a single online location, people will be more likely to refer to this information from home. The project developer or property manager will have responsibility for setting up and maintaining this online information center. This website will include the site-specific information about all the measures, services, and facilities discussed in this plan. In addition, this online information center will include:

- A summary of SamTrans, Caltrain, BART, and nearby shuttle services and links to further information about their routes and schedules.
- Information about ride matching services (511.org and on-site ride matching) and the incentive programs available to carpools and vanpools.
- Information about services such as Uber, Lyft, and other on-demand transportation services.
- A local bikeways map and bicycling resources on 511.org.
- A link to the many other resources available in the Bay Area, such as Dadnab, Merge, real-time traffic conditions, etc.

Resident Orientation (Welcome) Packet

New residents will be provided transportation information packets. This packet will include information about transit maps/schedules (Caltrain, BART, SamTrans, and shuttle services), location of bus stops, bike maps, ride matching services, transit planning resources, and bicycle parking on site. Also included in the packet will be information regarding how to contact the Transportation Coordinator, who can provide information regarding alternative modes of transportation to residents.

The resident orientation (welcome) packet will provide a quick, easy-to-read announcement of the most important features of the TDM program for residents to know about immediately and a message that the building values alternative modes of transportation and takes their commitment to supporting alternative transportation options seriously. For example, it will include a flyer announcing some highlights of the TDM program and where to find more information online.

Certified Participation in Commute.org or TMA

Commute.org is a joint powers agency in San Mateo County. Transportation Management Associations (TMA) are associations of businesses, property owners, tenants, and cities. Both organizations offer programs and services to give commuters alternatives to driving alone, including shuttles, guaranteed ride home, and rewards programs. The project will participate in, and obtain certification of, one or more of Commute.org's programs or in a TMA if/when a TMA is established in the project area.

Bicycle and Pedestrian Amenities

Bicycle Parking

Providing secure bicycle parking encourages bicycle commuting and reduces daily bicycle trips. The project will provide 156 long-term bicycle spaces in a secure bike storage room for use by residents. In

addition, a total of 16 short-term bicycle spaces will be provided at convenient and well-lit locations around the building.

The Transportation Coordinator will monitor the usage of the bicycle parking facilities and will also tabulate the mode share for bicycles based on survey results.

Bicycle Resources

The following resources are available to bicycle commuters through 511.org. These resources will be noted on the project's online information center, in order to make residents aware of them.

- Free Bike Buddy matching
- Bicycle maps
- Bicycle safety tips
- Information about taking bikes on public transit
- Location and use of bike parking at transit stations
- Information on Bike to Work Day
- Tips on selecting a bike, commute gear, and clothing
- Links to bicycle organizations

Pedestrian Design Elements

The project will provide enhanced pedestrian facilities along Trousdale Drive and El Camino Real and a circulation path with landscaping between the adjacent property and project building. New sidewalks landscaped with street trees will be provided with benches and integrated seat walls along the project's frontages. Onsite, clearly defined walkways and two central courtyards will be incorporated between the apartment units to enable residents to walk between the buildings to the building's amenities.

Passenger Loading for Rideshare Vehicles

The project is planning to provide passenger loading zones along its frontages on El Camino Real and Trousdale Drive to facilitate the use of rideshare services/programs (e.g., Uber, Lyft, Scoop, Waze Carpool, etc.) and reduce parking demand. With the increasing popularity of ride-sharing and food delivery services, a loading area will reduce the number of trips taken by future residents who would otherwise drive to restaurants.

Onsite Amenities

High-Bandwidth Internet Connection

The residential units will include high-bandwidth internet connections to facilitate telecommunicating. Access to high-bandwidth internet connection will allow residents to work from home and therefore reduce the number of commute trips to and from project site.

Electric Vehicle Charging Stations

The project will include a total of 324 parking spaces, of which 33 spaces will be equipped with electric vehicle charging stations. While EV charging station parking spaces will not directly reduce any peak-hour trips, the designated Clean Air Vehicle spaces provide a prominent visual message that the project values a reduction in air pollution.

Fitness Room, Courtyards, Pool, and Spa

The project will include a pool, a fitness room, and two courtyards on-site for use by residents for socializing and recreation. The project will also include a pet spa. These amenities will encourage residents to stay on site for these services, reducing the number of trips that are required to be made.

Carpool and Vanpool Programs

On-Site Ride Matching Assistance

The Transportation Coordinator will distribute a carpool/vanpool matching application to all residents as part of the welcome packets. The application should match residents who work in the same area who may be able to carpool or vanpool together. Some residents who may be reluctant to reach out to find carpool partners via online services may be more likely to fill out a form that will be administered by their Transportation Coordinator. Furthermore, residents may be more likely to try ridesharing with a neighbor than with an unknown person who lives nearby.

511 Ride Matching Assistance

Merge

Merge is 511.org's free ridematching service that provides an interactive, on-demand system that helps commuters find carpools, vanpools, or bicycle partners. The Transportation Coordinator in conjunction with the future building manager contacts, will promote the on-line 511 service to residents. This free carpool, vanpool, and bikepool ride matching service helps commuters find others with similar routes and travel patterns with whom they may share a ride. Registered users provide their commute information and get matched with other users. Participants are then able to contact a match to discuss schedules and see if the match is a good fit. The service also provides a list of existing carpools and vanpools in their residential area that may have vacancies.

Scoop

Scoop offers a fee-based ride matching service through an easy-to-use app. Scoop allows commuters to separate their AM and PM trips, to help accommodate unpredictable work schedules. Scoop also lets users schedule a trip as a driver or passenger, depending on their daily needs. Scoop identifies carpoolers who are heading the same direction and finds the most efficient carpool trip based on fastest route, nearby carpoolers, carpool lanes, and other factors. Payment for each trip is made through the app.

Carpool/Vanpool Incentives

Scoop Discounts for San Mateo County Carpools

San Mateo City/County Association of Governments (C/CAG) has developed the "Carpool in San Mateo County!" program, which provides a $2 incentive per person for each trip that begins or ends in San Mateo County. Drivers and riders can earn up to $4 per day when using the Scoop app to carpool. Drivers and riders using Scoop will automatically receive the $2 incentive per person during commute periods (5:30 a.m. – 10:00 a.m. and 3:30 p.m. – 8:00 p.m.), with a maximum of $4 per rider and driver each day.

STAR

Commute.org (formerly the Peninsula Traffic Congestion Relief Alliance) has established a free program called STAR (Support, Track, and Reward). Residents and commuters who log their alternative to driving alone trips to or from San Mateo County are eligible to win a raffle prize ranging from giveaways to e-gift cards. The STAR platform also provides trip planning and carpool/vanpool matching.

STAR also hosts a rewards program where users can earn up to $100 when they carpool to or from work using the Scoop or Waze Carpool apps and automatically track their trips on STAR via the connected app option. Users are eligible for a $25 e-gift card reward after 10 days of carpooling, up to four times until funds are depleted. A similar rewards program exists for participants commuting via vanpool.

Merge

Merge rewards all carpools. Users can carpool using Merge, Scoop, Waze Carpool, Casual Carpool, or a personal contact. Users who log their carpool trips earn 10 points per trip and receive a $25 reward for every 250 points earned. Rewards are given as an e-gift card or donated to a nonprofit.

Transit Elements

Proximity to Transit Center

The project is located about 0.5 miles from the Millbrae Station, which provides direct access to Caltrain and BART services as well as to multiple shuttle routes and SamTrans bus routes. At a normal walking pace, it would take approximately 10 minutes to walk from the project site to the transit center. This encourages the use of Caltrain, BART, and SamTrans for residents of the proposed project.

Transit Subsidies

Subsidized transit passes are an extremely effective means of encouraging residents to use transit rather than drive to work. One element of this recommended TDM plan is to provide residents with financial incentives to utilize public transit when commuting to and from the project site. The C/CAG TDM Policy update states that large residential projects must provide subsidized transit passes to residents equivalent to 30% of the value of their monthly fare or $50 monthly. Passes/subsidies will be for any public transportation option, including but not limited to Caltrain, SamTrans, ridesharing platforms, or vanpool subscriptions. The TDM Administrator will set up a reimbursement process. The project will reimburse residents up to $50 monthly after residents provide a request for reimbursement.

Reduced Parking

The project proposes to provide fewer spaces than what is required by the City's standard parking requirements. Studies have shown that by providing fewer than the required number of spaces, residents are encouraged to utilize alternative transportation. Section 20.50.050.G of the City of Burlingame Zoning Code for the North Burlingame Mixed Use Zone allows for up to a 20% reduction in required number of parking spaces provided that the project provides a TDM Plan that would provide a permanent mobility mode shift of 25% or greater towards alternative transportation.

C/CAG TDM Requirement

Based on C/CAG's *Draft Transportation Demand Management Policy Update Approach* updated September 1, 2021, and the *Implementation Guide* dated March 2021, any new development project anticipated to generate at least 100 average daily trips (ADT) is subject to the TDM Policy and must complete a TDM Checklist and implement associated measures to mitigate traffic impacts. The proposed project would generate 1,692 net daily trips. Therefore, a TDM Checklist is required as a Condition of Approval for the project.

C/CAG categorizes new developments as small projects and large projects. Multi-family residential projects larger than 50 units (generating more than 500 average daily trips) are considered to be large projects. The project would be qualified as a transit-oriented development as it is located 0.5 miles from the Millbrae Station. The recommended vehicle trip reduction target for large multi-family residential projects that are transit-oriented developments (TOD) is 25 percent.

To accomplish the reduction goal, C/CAG provides a list of potential TDM measures, some of which are required and some of which are optional. Each measure has an associated point value and reduction percentage. Based on the updated C/CAG TDM policy, the project must first fulfill all required measures prior to selecting a sufficient number of additional recommended measures to achieve the minimum 25 percent trip reduction.

As shown in Table 2, the project will achieve the trip reduction goal of 25 percent with the TDM measures included in this plan.

Table 2
Summary of C/CAG Estimated Trip Reduction Percentage

Cateogry	Measure	Provided by Project (Y/N)	Point Value	Estimated Trip Reduction Percentage
Required TDM Measures (TOD)				
Parking Management for Ridesharing	Orientation, Education, Promotional Programs and/or Materials	Y	1	1.0%
TDM Management and Admin	TDM Coordinator/Contact Person	Y	1	0.5%
	Actively Participate in Commute.org, or Transportation Management Association (TMA) Equivalent	Y	6	5.0%
	Certified participation in Commute.org, or equivalent program such as TMA	Y	*2*	*4.0%*
	Commute assistance and ride-matching	Y	*4*	*1.0%*
Shuttles, Transit, and Ridesharing	Transit or Ridesharing Passes/Subsidies	Y	8	10.0%
Active Transportation	Secure Bicycle Storage	Y	1	1.0%
Site Design Initiatives	Design Streets to Encourage Bike/Ped Access	Y	1	1.0%
Required TDM Measures Total (TOD)			**24**	**18.5%**
Addtional TDM Measures (TOD)				
Parking Management	Reduced Parking	Y	8	10.0%
Additional TDM Measures Total (TOD)			**8**	**10.0%**
Required & Additional TDM Measures Total			**32**	**28.5%**

4. TDM Implementation, Monitoring, and Reporting

This chapter outlines the required implementation, monitoring, and reporting for the 1766 El Camino Real Residential Development TDM Plan. C/CAG requires a TDM self-certification status form to be completed for large multi-family residential projects biennially for the first six (6) years after occupancy. The project will also be required to report TDM monitoring to the City of Burlingame.

Annual Commute Surveys

The purpose of the TDM Plan is to reduce daily vehicle trips by at least 25 percent, thereby lessening parking issues, traffic congestion, and vehicle emissions associated with the proposed project. Regular monitoring will ensure that the implemented TDM measures are effective and achieve that standard. The program will be evaluated annually to assess the actual level of trip reduction achieved at the site and to identify any adjustments to the program necessary to ensure the TDM measures are successful.

Annual commute surveys will be administered by the transportation coordinator to measure the number of residents commuting by alternative modes and whether they are aware of the services and programs that are available to them. Residents who do not respond to the survey will be assumed to be driving alone. In addition to obtaining quantitative data on the mode split, the survey will provide qualitative data regarding resident perceptions of the alternative transportation programs. The survey results will measure the relative effectiveness of individual program components relative to other components and facilitate the design of possible program enhancements. Along with collecting information on mode split, the survey can gather information on use of the bike storage, use of the online kiosk, and walking trips made to nearby commercial uses. The transportation coordinator will be responsible for administering the survey, compiling the results, and communicating the results to the City and C/CAG.

Annual Driveway Counts

In order to evaluate whether or not the project has met the 25 percent daily vehicle trip reduction requirement, annual driveway counts will be conducted. A count of the number of vehicles entering and exiting the project's driveways on a typical weekday will be conducted annually by an independent third party to determine the number of vehicle trips being generated by the project. The counts will be conducted at the site's driveway on a weekday that is not disclosed in advance. All vehicles entering and exiting the project driveways will be counted.

The driveway counts will be used to determine the actual peak hour trip generation of the project. The Transportation Coordinator will provide the results of the driveway counts to the City of Burlingame, along with a statement as to whether the 25 percent peak-hour trip reduction goal was met.

Annual Reporting to City

The TDM ordinance for the North Burlingame Mixed Use Zone states that the project will provide for a "permanent mobility mode shift towards alternative transportation of twenty-five (25) percent or greater for building occupants through the TDM program". The Transportation Coordinator will submit to the City of Burlingame annual documentation to substantiate implementation of the TDM plan elements, the results of the resident survey, and the results of the driveway counts. If the 25 percent peak-hour trip reduction requirement has not been met, then the report will state what additional measures will be implemented in the coming year in order to achieve the City's requirement.

Appendix B
Tree Report

Aesculus
Arboricultural Consulting

12/16/2021

Greg Pasquali
Carmel Partners Realty VII
1000 Sansome Street, First Floor
San Francisco, CA 94111
415.231.0221
gpasquali@carmelpartners.com

Re: Tree protection for apartment building at 1766 El Camino Real, Burlingame, CA 94010

Dear Greg,

At your request, we have visited the property referenced above to evaluate the trees present with respect to the proposed project. The report below contains our analysis.

Summary

There are eleven protected trees on and adjacent to this property. All of them, including those on the neighboring property, are recommended for removal, as they conflict with project features. Of these, three are in very poor condition and will likely die in the near future irrespective of project features.

Assignment and Limits of Report

We have been asked to write a report detailing impacts to trees from the proposed apartment building on this property. This report may be used by our client and other project members as needed to inform all stages of the project.

All observations were made from the ground with basic equipment. No root collar excavations or aerial inspections were performed. No project features had been staked at the time of our site visit.

Tree Regulations

The following language is taken from The City of Burlingame's public guidance document titled "Trees: A Big Deal!"

In Burlingame, large trees on private property are protected by City Ordinance. Any tree with a circumference of 48"at a height of 54" above the ground is a "Protected Tree."

Proposed private building projects which impact protected trees and, therefore, the urban canopy are subject to the Planning Department's permitting and public hearing process that includes the City Arborist's approval. Typically, trees that have a trunk circumference of 48" or more (measured 54" above natural grade) and are healthy and viable are protected through these projects. Occasionally, the removal of a protected tree is approved through the permit process.

Observations

Trees

There are 11 protected trees on and adjacent to this property (Images 1-11, below). Seven are Monterey pines (*Pinus radiata*), two are silver dollar gums (*Eucalyptus polyanthemos*), one is a coast live oak (*Quercus agrifolia*), and one is a queen palm (*Syagrus romanzoffiana*). Six overhang the property from adjacent properties.

Monterey pines #6, 7, and 9 are in poor condition. We were unable to inspect their lower trunks, but their condition is consistent with colonization by red turpentine beetle (*Dendroctonus valens*).

The other trees are in moderate to good condition.

Note that queen palm #3 is actually two trees planted in the same hole. They have been treated as one tree in this report for the purposes of tree protection. The City of

Burlingame may require that they be treated separately for the purposes of removal permits.

Current Site Conditions

An office building is present in the southwest part of the property, and the rest of the property is covered by a parking lot.

Project Features

One apartment building is proposed, to occupy the entire property.

Underground parking and basement utility rooms are proposed up to the property lines in nearly all areas, including under proposed landscape and hardscape.

Potential Conflicts

Trees #1-5 are all located within the proposed building footprint.

Trees #6-11 are located just beyond the edge of the proposed underground parking structure, such that a high percentage of their TPZs[1] will be removed.

Testing and Analysis

Tree DBHs were taken using a diameter tape measure if trunks were accessible. Multistemmed trees were measured below the point where the leaders diverge, if possible. The DBHs of trees with non-accessible trunks were estimated visually. All trees over 12 inches in DBH were inventoried.

Vigor ratings are based on tree appearance and experiential knowledge of each species.

Tree location data was collected using a GPS smartphone application and processed in GIS software to create the maps included in this report. Due to the error inherent in GPS data collection, and due also to differences between GPS data and CAD drawings, tree locations shown on the map below are approximate except where matched to the survey.

We visited the site once, on 12/3/2021. All observations and photographs in this report were taken at that site visit.

[1] Tree protection zones. See Discussion, Tree Map, and Tree Inventory Table for more detail.

The tree protection analysis in this report is based on the 40-page plan set titled "1766 EL CAMINO REAL, BURLINGAME, CA, APN 025-116-110: Planning Commission Submittal," dated 11/15/2021, provided to me electronically by the client.

Discussion

Tree Protection Zones (TPZs)

Tree roots grow where conditions are favorable, and their spatial arrangement is therefore unpredictable. Favorable conditions vary among species, but generally include the presence of moisture, and soft soil texture with low compaction.

Contrary to popular belief, roots of all tree species grow primarily in the top two feet of soil, with a small number of roots sometimes occurring at greater depths. Some species have taproots when young, but these almost universally disappear with age. At maturity, a tree's root system may extend out from the trunk farther than the tree is tall.

The optimal size of the area around a tree which should be protected from disturbance depends on the tree's size, species, and vigor, as shown in the following table (adapted from Trees & Construction, Matheny and Clark, 1998):

Species tolerance	Tree vitality[2]	Distance from trunk (feet per inch trunk diameter)
Good	High	0.5
	Moderate	0.75
	Low	1
Moderate	High	0.75
	Moderate	1
	Low	1.25
Poor	High	1
	Moderate	1.25
	Low	1.5

It is important to note that some roots will almost certainly be present outside the TPZ; however, root loss outside the TPZ is unlikely to cause tree decline.

[2] Matheny & Clark uses tree age, but we feel a tree's vitality more accurately reflects its ability to handle stress.

Some of the tree species present here are not evaluated in Trees & Construction. Our own evaluation of them based on our experience with the species is as follows:

Species	Estimated tolerance	Reason for tolerance rating
Silver dollar gum	High	Performs well to the point of weediness in this area.

Palms and Other Monocots

Because palms, yuccas, and other monocots (grasses) are morphologically very different from woody trees, they respond differently to root disturbance. All palm roots are adventitious, arising as needed from the root initiation zone, and roots grow only in length but not in girth.

Palm species differ in their tolerance of root pruning, but all are much more tolerant than angiosperm trees. Optimal root ball sized, given in distance from the trunk, is summarized in the following table (reproduced from Broschat 2017)[3]:

Table 1. Average percentage of cut roots branching in four different root-length classes.

Species	Root-stub length (inches)				Avg. no. of new roots
		<6	6–12	12–24	
Cocos nucifera	47	61	50	50	20
Phoenix reclinata	0	2	8	32	62
Roystonea regia	1	6	24	36	97
Sabal palmetto	1	1	3	1	196
Syagrus romanzoffiana	3	41	49	57	13
Washingtonia robusta	2	14	31	59	144

Data from Broschat and Donselman (1984; 1990b).

For palms and other monocots not addressed in this table, I specify a tree protection zone extending 24" beyond the edge of the trunk, the most conservative distance tested in this study.

Critical Root Zones (CRZs)

Although any root loss inside the TPZ may cause a short-term decline in tree condition, trees can often recover adequately from a small amount of root loss in the TPZ.

[3] Broschat, Timothy K. Publication #CIR1047: Transplanting Palms in the Landscape. Original publication date April 1992. Revised June 2009. Reviewed December 2017. UF IFAS Extension. Available at https://edis.ifas.ufl.edu/pdffiles/EP/EP00100.pdf

Tree stability is impacted at a shorter distance from the tree trunk. For linear cuts on one side of the tree, the minimum distance typically recommended is three times the DBH, measured from the edge of the trunk (*Best Management Practices: Root Management*, Costello, Watson, and Smiley, 2017). This is called the critical root zone (CRZ), as any distance shorter than this increases a tree's likelihood of failure.

Species-Specific Issues

Monterey pine – this species is highly susceptible to damage from red turpentine beetles (Dendroctonus valens). Beetles generally colonize trees in the spring, and a heavily colonized tree may die completely by the summer of the same year. For this reason, mature Monterey pines are generally not considered long-term trees even if apparently healthy.

Conclusions

Trees #1-5 are incompatible with the project as proposed, as they lie within the proposed building footprint.

Trees #6-11 are incompatible with the project as proposed, as they lie just beyond the proposed underground parking structure, such that roots would be lost within their CRZs during excavation.

Recommendations

Design Phase

1. Explore design options that minimize impacts to trees, particularly neighbor trees #8, 10, and 11.
    a. Note that neighbor trees #6, 7, and 9 are in very poor health, so making accommodations for these trees has little value.
    b. If design changes are infeasible, provide information as to why.
    c. Note that it would be possible to transplant queen palm #3 if desired. No other trees present can reasonably be transplanted.
2. Notify the owner of trees #6-11 of their incompatibility with the project and seek consent for their removal.

3. For each tree to be removed, identify the number, species, and locations of replacement trees.
    a. Replanting requirements are typically two 24-inch boxes or two 36-inch boxes per protected tree removed, as determined by city staff, per Burlingame city code section 11.06.090: Tree requirements and reforestation.

Preconstruction Phase

1. If no design changes are made to accommodate trees, remove trees #1-11, upon receipt of a permit from the City of Burlingame.
    a. Note that the owner of trees #6-11 must sign the application for a permit for their removal.

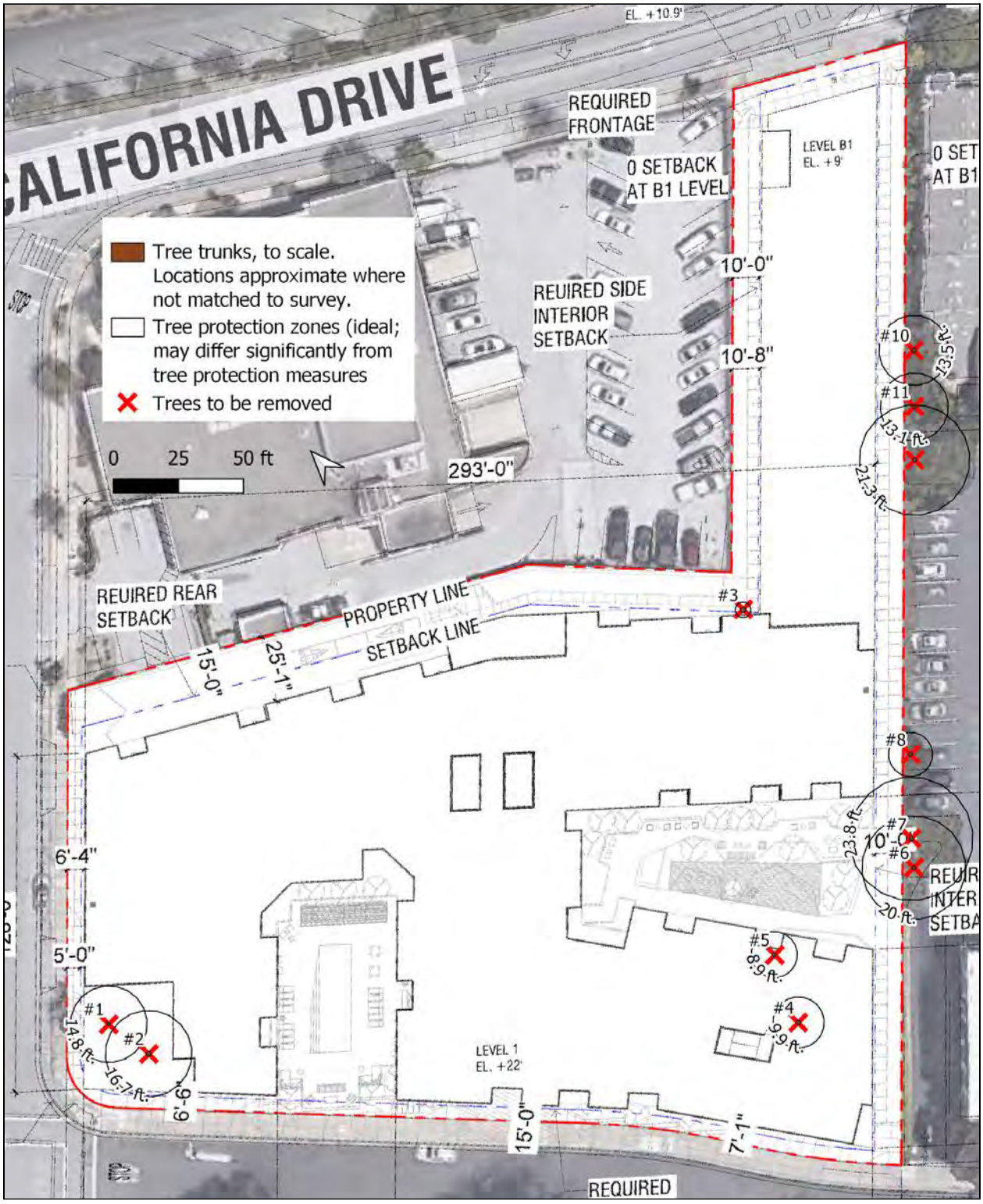
Demolition and Construction Phases

1. If trees #1-11 are removed, there are no further tree-related recommendations for these phases.
2. If transplanting queen palm #3, have it excavated by a tree care company experienced with palm moving and follow that company's recommendations for care until it can be planted in its new location.

Post-Construction Phase

1. Plant replacement trees for trees #1-11, according to the replanting plan developed in the Design Phase.

Tree Map


CALIFORNIA DRIVE
EL. +10.9'
REQUIRED FRONTAGE
0 SETBACK AT B1 LEVEL
LEVEL B1 EL. +9'
0 SET AT B1
Tree trunks, to scale. Locations approximate where not matched to survey.
Tree protection zones (ideal; may differ significantly from tree protection measures
Trees to be removed
0 25 50 ft
REUIRED SIDE INTERIOR SETBACK
10'-0"
10'-8"
293'-0"
#10
13.5 ft.
#11
13.1 ft.
21.3 ft.
REUIRED REAR SETBACK
PROPERTY LINE
SETBACK LINE
15'-0"
25'-1"
#3
#8
23.8 ft.
#7
10'-0"
#6
20 ft.
REUIR
INTER
SETBA
6'-4"
5'-0"
#5
8.9 ft.
#4
9.9 ft.
#1
#2
14.8 ft.
16.7 ft.
6'-9"
LEVEL 1 EL. +22'
15'-0"
7'-1"
REQUIRED

Supporting Photographs

Image 1: Monterey pine #1

Image 2: Monterey pine #2

Image 3: queen palm #3 (note: two trees planted in the same hole)

Image 4: silver dollar gum #4 (note non-protected silver dollar gum on the right)

Image 5: silver dollar gum #5

Image 6: Monterey pine #6 (center)

Image 7: Monterey pine #7

Image 8: coast live oak #8

Image 9: Monterey pine #9

Image 10: Monterey pine #10 (left)

Image 11: Monterey pine #11

Respectfully submitted,

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Terms of Assignment

The following terms and conditions apply to all oral and written reports and correspondence pertaining to the consultations, inspections, and activities of Aesculus Arboricultural Consulting:

1. All property lines and ownership of property, trees, and landscape plants and fixtures are assumed to be accurate and reliable as presented and described to the consultant, either orally or in writing. The consultant assumes no responsibility for verification of ownership or locations of property lines, or for results of any actions or recommendations based on inaccurate information.
2. It is assumed that any property referred to in any report or in conjunction with any services performed by Aesculus Arboricultural Consulting is in accordance with any applicable codes, ordinances, statutes, or other governmental regulations, and that any titles and ownership to any property are assumed to be good and marketable. The existence of liens or encumbrances has not been determined, and any and all property is appraised and/or assessed as though free and clear, under responsible ownership and competent management.
3. All reports and other correspondence are confidential and are the property of Aesculus Arboricultural Consulting and its named clients and their assigns or agents. Possession of this report or a copy thereof does not imply any right of publication or use for any purpose, without the express permission of the consultant and the client to whom the report was issued. Loss, removal, or alteration of any part of a report invalidates the entire appraisal/evaluation.
4. The scope of any report or other correspondence is limited to the trees and conditions specifically mentioned in those reports and correspondence. Aesculus Arboricultural Consulting assumes no liability for the failure of trees or parts of trees, inspected or otherwise. The consultant assumes no responsibility to report on the condition of any tree or landscape feature not specifically requested by the named client.
5. All inspections are limited to visual examination of accessible parts, without dissection, excavation, probing, boring or other invasive procedures, unless otherwise noted in the report, and reflect the condition of those items and features at the time of inspection. No warranty or guarantee is made, expressed or implied, that problems or deficiencies of the plants or the property will not occur in the future, from any cause. The consultant shall not be responsible for damages caused by any tree defects, and assumes no responsibility for the correction of defects or tree related problems.
6. The consultant shall not be required to provide further documentation, give testimony, be deposed, or to attend court by reason of this appraisal/report unless subsequent contractual arrangements are made, including payment of additional fees for such services as set forth by the consultant or in the fee schedule or contract.
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Tree #	Common Name	Species	DBH (in.)	Vitality (0-3)	Street Tree?	Off-Site Tree?	Remove?	Species Construction Tolerance (1 = poor, 3 = good)	TPZ radius (ideal; ft. from center of trunk)	Expected Impacts	Notes
1	Monterey pine	Pinus radiata	14.8	2			X	2	14.8	Incompatible with building footprint	Pitch canker symptoms on trunk
2	Monterey pine	Pinus radiata	22.2	3			X	2	16.7	Incompatible with building footprint	-
3	Queen palm	Syagrus romanzoffiana	25.0	2			X	N/A	3.0	Incompatible with building footprint	Two trees planted in the same hole. Treated as one tree for tree protection purposes. TPZ is 2 feet beyond the edge of the trunk for monocots.
4	Silver dollar gum	Eucalyptus polyanthemos	19.7	3			X	3	9.9	Incompatible with building footprint	-
5	Silver dollar gum	Eucalyptus polyanthemos	17.8	3			X	3	8.9	Incompatible with building footprint	Note that a third silver dollar gum is present but is under the protected size.
6	Monterey Pine	Pinus radiata	16.0	1		X	X	2	20.0	Incompatible with underground parking	Neighbor tree. DBH estimated. Red turpentine beetle damage is suspected; note that tree will likely die irrespective of construction activity.
7	Monterey pine	Pinus radiata	19.0	1		X	X	2	23.8	Incompatible with underground parking	Neighbor tree. DBH estimated. Red turpentine beetle damage is suspected; note that tree will likely die irrespective of construction activity.
8	Coast live oak	Quercus agrifolia	17.0	3		X	X	3	8.5	Incompatible with underground parking	Neighbor tree. DBH estimated.
9	Monterey pine	Pinus radiata	17.0	1		X	X	2	21.3	Incompatible with underground parking	Neighbor tree. DBH estimated. Red turpentine beetle damage is suspected; note that tree will likely die irrespective of construction activity.
10	Monterey pine	Pinus radiata	18.0	3		X	X	2	13.5	Incompatible with underground parking	Neighbor tree. DBH estimated.

Tree #	Common Name	Species	DBH (in.)	Vitality (0-3)	Street Tree?	Off-Site Tree?	Remove?	Species Construction Tolerance (1 = poor, 3 = good)	TPZ radius (ideal; ft. from center of trunk)	Expected Impacts	Notes
11	Monterey pine	Pinus radiata	17.5	3		X	X	2	13.1	Incompatible with underground parking	Neighbor tree. DBH estimated.

Appendix C
Environmental Site Assessments (ESAs)

Phase I Environmental Site Assessment

Commercial Building
1766 El Camino Real
Burlingame, California 94010

Prepared for:

Carmel Partners
1000 Sansome Street
1st Floor
San Francisco, California 94111

Prepared by:

Professional Service Industries, Inc.
4703 Tidewater Avenue
Suite B
Oakland, California 94601

July 1, 2021

PSI Work Order Number: 0575-1840

Kassandra Idowu
Project Environmental Scientist

Frank Poss
Principal Consultant

Phase I ESA Summary Table

Professional Service Industries, Inc. (PSI), an Intertek company, performed a Phase I ESA of the commercial building located at 1766 El Camino Real, in Burlingame, California 94010. PSI performed the assessment to comply with the contract between Carmel Partners (the client) and PSI.

Our assessment included evaluation of certain BERs that are beyond the scope of ASTM E1527 (ASTM non-scope services), as follows: limited asbestos survey, limited lead-based paint assessment, lead in water, radon, and mold.

Report Section		No Issues Identified	REC	CREC	HREC	VEC	De-minimis	BER Issue	Notes
3.0	USER-PROVIDED INFORMATION	✔							
5.2	SUBJECT PROPERTY OBSERVATIONS	✔							
5.3	OFF-SITE OBSERVATIONS	✔							
6.0	HISTORICAL USES	✔							
7.0	ENVIRONMENTAL REGULATORY RECORDS REVIEW		✔			✔			Known impact to the adjoining property to the north. See Section 7.1.2.
8.0	VAPOR ENCROACHMENT SCREENING					✔			Known impact to the adjoining property to the north. See Section 8.2.

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LIST OF APPENDICES

LIST OF COMMONLY USED ACRONYMS AND ABBREVIATIONS

ACM	Asbestos-Containing Material
AHERA	Asbestos Hazard Emergency Response Act
AMSL	Above Mean Sea Level
APN	Assessor's Parcel Number (also referred to as a PIN)
AST	Above-Ground Storage Tank
ASTM	American Society for Testing and Materials
AUL	Activity & Use Limitation
BER	Business Environmental Risk
Bgs	Below the ground surface
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
CADC	California Department of Conservation
CADWR	California Department of Water Resources
CAEPA	California Environmental Protection Agency
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation & Liability Information System (now called SEMS)
CESQG	Conditionally Exempt Small Quantity Generator of Hazardous Waste (now called VSQG)
CFR	Code of Federal Regulations
COC	Chemical(s) of Concern
CREC	Controlled Recognized Environmental Condition
CWA	Clean Water Act
ERIS	Environmental Risk Information Services, Inc.
EP	Environmental Professional
EPA	U.S. Environmental Protection Agency
ERIS	Environmental Risk Information Services, Inc.
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
FOIA	Freedom of Information Act

HREC	Historical Recognized Environmental Condition
HUD	U.S. Department of Housing & Urban Development
HVAC	Heating, Ventilation & Air Conditioning System
LAST	Leaking Above-Ground Storage Tank
LBP	Lead-Based Paint
LLP	Landowner Liability Protection
LQG	Large Quantity Generator of Hazardous Waste
LUST/ LST	Leaking Underground Storage Tank
MCL	Maximum Concentration Level
mg/kg	Milligrams per Kilogram
mg/L	Micrograms per liter
mg/L	Milligrams per Liter
MSDS	Material Safety Data Sheet (now called Safety Data Sheet (SDS))
MTBE	Methyl Tert-Butyl Ether
ND	Not Detected
NFA	No Further Action (also called No Further Remediation (NFR))
NOV	Notice of Violation
NPDES	National Pollution Discharge Elimination System
NPL	National Priorities List (a.k.a. Superfund)
NRCS	Natural Resources Conservation Service
NWI	National Wetlands Inventory
OSHA	U.S. Occupational Safety & Health Administration
PAH	Polynuclear (Polycyclic) Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyl
PCE	Perchloroethylene (also called Tetrachloroethylene)
pCi/L	Picocuries per Liter
PFAS	Per & Polyfluoroalkyl Substances
PFOA	Perfluorooctanoic Acid

PFOS	Perfluorooctanesulfonic Acid
ppb	Parts per Billion
ppm	Parts per Million
RBCA	Risk-Based Corrective Action
RCRA	Resource Conservation & Recovery Act
REC	Recognized Environmental Condition
RFI	Request for Information
SF	Square Feet
SQG	Small Quantity Generator of Hazardous Waste
SSURGO	Soil Survey Geographic Database
TCE	Trichloroethylene
TPH	Total Petroleum Hydrocarbons
USACE	U.S. Army Corps of Engineers
USDA	U.S. Department of Agriculture
USFWS	U.S. Fish & Wildlife Service
USGS	U.S. Geological Survey
UST	Underground Storage Tank
VEC	Vapor Encroachment Condition
VES	Vapore Encroachment Screening
VIC	Vapor Intrusion Condition
VOC	Volatile Organic Compound

CERTIFICATION

PSI, an Intertek company, has completed a Phase I ESA of the commercial building located at 1766 El Camino Real in Burlingame, California ("the subject property"). PSI performed the Phase I ESA in conformance with ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (the Practice). The assessment was completed at the request of Carmel Partners ("the client") in accordance with the scope of work outlined in PSI's Proposal Number 575-344582, which was authorized by the client on June 9, 2021.

The conclusions developed herein represent our professional judgment based on information and data available to us at the time of the assessment, and observations made at the time of our site reconnaissance. In accordance with ASTM E1527-13 § 4.6, the report is valid for a period of 180 days from the time of issuance.

Site Assessor:

Kassandra Idowu
Project Environmental Scientist

Reviewed by:

Frank Poss
Principal Consultant

Environmental Professional Certification

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 312.10 of this part. 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.

Environmental Professional:

Frank Poss
Environmental Professional

1.0 EXECUTIVE SUMMARY

1.1 FINDINGS

A summary of findings is provided below. The report should be read in its entirety to obtain a more complete understanding of the information provided and to aid in any decisions made or actions taken based on this information.

1.1.1 SUBJECT PROPERTY DESCRIPTION AND CURRENT USE

The subject property is located on the east side of El Camino Real, south of its intersection with Trousdale Drive. The site address is 1766 El Camino Real, Burlingame, California 94010. The site can also be defined by San Mateo County Assessor Parcels Number (APN): 025-161-110.

Currently, the subject property is developed with one two-story commercial building that totals 32,625 square feet on a 1.70-acre parcel. The subject property is currently unoccupied and includes general commercial spaces, offices, studios, a lobby, a courtyard, and showrooms. No hazardous materials/waste were observed during the site reconnaissance and no evidence of recognized environmental conditions was observed as part of the site reconnaissance of the subject property.

1.1.2 ADJOINING PROPERTY DESCRIPTION AND USE

The subject property is located with a commercial area in Burlingame, California.

Current use(s) of adjoining properties are:

Direction	Description of Adjoining Property Use
North	Burlingame Police Department and California Drive followed by a railroad track
East	Peninsula Dermatology Medical Group and a multi-family residence
South	A frontage road followed by El Camino Real
West	Trousdale Drive followed by a parking lot

1.1.3 HISTORICAL USE OF SUBJECT PROPERTY AND SURROUNDING AREA

Historical information sources researched in this assessment allowed uses of the subject property from the present back to 1926, when the site appears to be predominately undeveloped but includes a bull pen and part of a milk barn. During this time, the subject property operated as Millbrae Dairy. Around 1956, the subject property appears to be undeveloped land. By the 1960, the subject property appears to be developed in its current configuration The tenants within the subject property have included Pacific Standard Life Ins Co., DMC Real Estate, Liberty Mrtg Inysts, and Reliable Data Serv.

As for the adjoining properties, historical information identifies the area being part of Millbrae Dairy. The presence of multiple commercial buildings appear around the mid-1950s and early-1970s. By 2006, the adjoining properties appear to be developed in their current structural configuration.

1.1.4 GOVERNMENTAL RECORDS REVIEW

PSI subcontracted with ERIS to provide a review of governmental database records for spill sites, tanks, hazardous waste handlers, and other facilities of potential concern within proximity to the subject property.The subject property was identified in the database search and those listings were evaluated by PSI during this assessment. These listings are discussed in Section 7.1 of this report. In our review of the environmental database report for the subject property and site vicinity, one of the listed sites appeared to be a REC.

The adjoining property to the north, at 1111 Trousdale Drive, was identified on numerous environmental databases. The CUPA SANMATEO, DELISTED CTNK, DELISTED TNK, LOP SANMATEO, LUST, HHSS, UST, UST SWEEPS, and HIST TANK listings identified on this property are associated with this property's former operation of two underground storage tanks: one 12,000-gallon gasoline UST and one 4,000-gallon diesel UST. According to these listings, there was an unauthorized release of gasoline from the 12,000-gallon UST in December of 2017 that impacted the subsurface. Remedial action took place, groundwater monitoring wells were installed, and approximately 600 cubic yards of soil was excavated. Confirmation soil samples collected identified the presence of total petroleum hydrocarbons as gasoline (TPH-G) at a concentration of 1,400 milligrams per kilogram (mg/kg), ethanol at 1.3 mg/kg, ethylbenzene at 11 mg/kg, xylenes (total) at 16 mg/kg, and naphthalene at 4.7 mg/kg. Ethylvenzene, xylenes (total), and naphthalene were detected above the Tier 2 ESL. Groundwater analytical results detected TPH as diesel, TPH-MO, TPH-G, as well as numerous volatile organic compounds. Monitoring wells on the property boundary with the subject property are impacted with TPH and VOCs.

The site is currently under regulatory oversight and there is detectable groundwater impact identified on this property and likely the subject property. Based the impact to this property and its close proximity to the subject property, PSI considers the LUST and active status on this adjoining property to represent a REC to the subject property.

1.1.5 SIGNIFICANT DATA GAPS

The ASTM E1527 Standard Practice defines a significant data gap as a lack of or inability to obtain information required by the practice that would limit our ability to draw conclusions with regard to RECs in connection with the subject property. Based on our experience, the information that we gathered and evaluated did not present significant data gaps that affected our ability to identify RECs in connection with the subject property.

1.2 CONCLUSIONS

PSI performed a Phase I ESA of the subject property in conformance with the scope and limitations of ASTM Practice E1527-13. Any exceptions to or deletions from this practice are described in Section 2.3 of this report. The following conclusions have been made with regard to evidence of RECs, HRECs, CRECs, VECs, and de minimis conditions in connection with the subject property, as defined in ASTM E1527-13.

1.2.1 RECOGNIZED ENVIRONMENTAL CONDITIONS

This assessment has revealed the following evidence of REC(s) in connection with the subject property:

- An active LUST case associated with the adjoining property to the north, which identifies impact to the soil and groundwater at the boundary with the subject property. Based on the distance from the subject property and the identified contaminants, PSI considers this active LUST case to represent a REC to the subject property.

1.2.2 CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS

This assessment has revealed no evidence of CRECs in connection with the subject property.

1.2.3 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS

This assessment has revealed no evidence of HRECs in connection with the subject property.

1.2.4 VAPOR ENCROACHMENT CONDITIONS

The ASTM E1527 Standard Practice requires that the environmental professional evaluate the potential for VECs on the subject property. A VEC is defined in ASTM E2600 as the presence or likely presence of volatile chemicals in the subsurface that are caused by the release of vapors from contaminated soil or groundwater either on or near the subject property. PSI identified the following VEC(s) in connection with the subject property:

- An active LUST case associated with the adjoining property to the north, which identifies impact to the groundwater at the property boundary with the subject property. Based on the distance from the subject property and the identified contaminants, PSI considers this active LUST to represent a VEC to the subject property.

1.2.5 DE MINIMIS CONDITIONS

PSI did not identify evidence of de minimis conditions on the subject property.

1.3 RECOMMENDATIONS

PSI understands that a Phase II is currently being conducted on the subject property to assess the level of potential impact caused by the northern adjoining property.

2.0 PHASE I ESA SCOPE AND METHODOLOGY

2.1 PURPOSE OF SERVICES

PSI performed the Phase I ESA in conformance with ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (the Practice). The purpose of the Practice was to define good commercial practice for conducting a Phase I ESA and as such, the Practice is intended to permit the user to satisfy one of the requirements to qualify for the LLPs. The goal of the processes established by the Practice is to identify RECs in connection with the subject property.

Based on the information provided, PSI understands that your purpose for having the Phase I ESA performed is to satisfy one of the requirements to qualify for one of the LLPs.

2.2 PHASE I ESA METHODOLOGY

PSI performed a Phase I ESA of the subject property. The scope of our services and general methodology is presented below.

The information sources that PSI used, including published material, material obtained from commercial and other sources, is listed below and cited as it is presented in the report. The information or excerpts thereof is appended.

This assessment included the following components:

- Records review;
- Reconnaissance;
- Interviews;
- VES in accordance with ASTM E2600-15, *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions* [VES Standard Guide]; and
- Preparation of this report, including our evaluation.

2.3 LIMITATIONS, EXCEPTIONS, DEVIATIONS AND DATA GAP

PSI considers that limitations, exceptions, and deviations from the Practice manifest as a lack of or inability to obtain information required by the Practice. This represents the definition of the 'data gap' contained in the Practice. PSI listed the component objectives of the Practice on the appended Data Gap Worksheet and tracked the information obtained against the objectives. Therefore, the limitations, exceptions and deviations are identified in the Worksheet.

In general, when required information was incomplete, not provided, otherwise not obtained, or indicated a need for additional information, PSI attempted to use information from other sources to meet the Practices' performance objectives. When the data gaps affected the Environmental Professional's ability to identify RECs, PSI considered the data gap(s) to be significant. PSI identified significant data gaps (if any) on the Data Gap Worksheet and reported them in Section 1.1.5.

2.4 SIGNIFICANT ASSUMPTIONS

PSI made the following significant assumptions in developing our Phase I ESA findings and conclusions:

- Regulatory Agency Information - PSI considers all information provided by our environmental database subcontractor regarding the regulatory status of facilities to be complete, accurate and current.
- Other Regulatory Information - PSI considers all information obtained from regulatory or other governmental agencies to be complete, accurate and current.
- Title, Lien and AUL Information - PSI considers all information provided by real estate title record review firms regarding property use or ownership, encumbrances or other limitations, if provided, to be complete, accurate and current.
- Interviews - PSI considers all information provided through interviews to be accurate, complete, unbiased, current, and provided in good faith.
- Groundwater - PSI interpreted and inferred the direction of the shallow groundwater movement based on the information we obtained during this assessment and our experience. Actual groundwater flow may be locally influenced by many factors beyond the scope of this assessment. Subsurface investigation is typically necessary to determine site-specific groundwater flow direction.

3.0 USER-PROVIDED INFORMATION

PSI considers the client to be the 'User' of our assessment, defined in ASTM Practice E1527 as "the party seeking to use ASTM E1527 to complete a Phase I ESA of the property. A User may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. The User has specific obligations for completing a successful application of this practice...."

3.1 USER QUESTIONNAIRE

The EPA All Appropriate Inquiry Rule (40 CFR Part 312) and ASTM E1527 § 6 require the User to answer certain questions related to the subject property, in order to obtain certain LLPs from CERCLA liability. To facilitate this process, PSI provided the client with a User Questionnaire, which is appended if it has been returned. A summary of the required questions and client responses is provided below.

Question	Yes	No	Unknown	N/A	Client did not respond
Did a review of recorded land title records or other sources identify any environmental liens filed or recorded against the subject property under federal, tribal, state or local law?					✔
Did a review of land title records or other sources identify any activity use limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place on the subject property?					✔
Do you have specialized knowledge or experience related to the subject property or nearby properties?					✔
Does the purchase price being paid reasonably reflect the fair market value of the subject property?					✔
If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?					✔

Question	Yes	No	Unknown	N/A	Client did not respond
Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of a releases or threatened releases? For example:					
Do you know of the past uses of the property?					✔
Do you know of specific chemicals that are present or were once present at the property?					✔
Do you know of spills or other chemical releases that have taken place at the property?					✔
Do you know of any environmental cleanups that have taken place at the property?					✔
Based on your knowledge and experience related to the subject property are there any obvious indicators that point to the presence or likely presence of contamination at the subject property?					✔
Do you know of any pending, threatened, or past litigation or administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property?					✔
Do you know of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?					✔

NOTES

A completed User Questionnaire was not returned during this assessment. This is a limitation and evaluated on the appended Data Gap Worksheet.

3.2 SUGGESTED INFORMATION

The client provided PSI with the following suggested information described by the Practice.

- The reason for performing the Phase I ESA.

- The type of property and type of property transaction.
- The complete and correct address of the subject property or other documentation identifying the location and extents of the subject property.
- The scope of services desired for the Phase I ESA, including any evaluation for BERs or other items that are beyond the scope of ASTM E1527.
- Identification of the parties who will rely upon the report.
- Identification of the key site contact and contact information.

3.3 HELPFUL DOCUMENTS AND PRIOR INVESTIGATIONS

The Practice requires that the environmental professional ask the subject property owner, the key site manager (if any is identified), and the User for certain helpful documents about the property and certain legal proceedings involving hazardous substances and the subject property. PSI mailed or e-mailed questions or performed interviews requesting this information.

The client did not provide prior environmental reports or other helpful documents within the performance period of this assessment.

4.0 PHYSICAL SETTING

PSI reviewed USGS topographic (topo) maps, information from the USDA and/or NRCS and/or other information regarding the physical setting of the subject property to assist with the interpretation of subsurface water movement near the subject property. Physical setting information is summarized in the table below.

Summary of Physical Setting Information

Physical Setting Attributes	Description	Source
Subject property elevation:	Approximately 21 feet AMSL.	USGS Topo Map "Montara Mountain, California 7.5 minute Quadrangle, 2015
Topographic gradient:	The subject property and surrounding area slopes to the east to southeast.	USGS Topo Map "Montara Mountain, California 7.5 minute Quadrangle, 2015
Closest surface water:	The San Francisco Bay, which is approximately 1 mile northeast of the subject property.	USGS Topo Map "Montara Mountain, California 7.5 minute Quadrangle, 2015
Other resource or physical characteristics mapped on the subject property?	No.	ERIS Radius Map Report
Is a flood hazard zone mapped on the subject property?	No.	ERIS Radius Map Report
Predominant soil type(s) mapped on the subject property:	The soil at the subject property is comprised of Urban Land. Urban Land is described as: soils that have been reworked, constructed on or otherwise disturbed so that the parent materials cannot be identified, and the characteristics of the soils have been altered from the native conditions.	ERIS Physical Setting Report
Estimated depth to first groundwater:	Approximately 11 feet below the ground surface (bgs).	Geotracker website for 1111 Trousdale Drive, Burlingame, California—the adjoining property to the east.

Physical Setting Attributes	Description	Source
Anticipated regional groundwater flow direction:	Likely moves to the north to northeast.	Geotracker website for 1111 Trousdale Drive, Burlingame, California—the adjoining property to the east.
Oil and Gas Resources:	None mapped on or adjacent to the subject property.	ERIS Radius Map Report
Mining Resources:	None mapped on or adjacent to the subject property.	California Department of conservation website.

5.0 SITE RECONNAISSANCE

The location and approximate boundaries of the subject property are illustrated on the appended figures. The legal description of the subject property, if provided to PSI, is appended.

Mr. Greg Pasquali with Carmel Partners, arranged for PSI to access the subject property. Our assessor was escorted by Mr. Bruno Borello, Property Manager, during the site reconnaissance.

The ground reconnaissance consisted of observing the periphery of the subject property and viewing the subject property from accessible adjoining public access areas. Visual reconnaissance of adjoining properties was limited to areas and facilities that were readily observable from the subject property or from public access areas. PSI also systematically toured the interior portions of the subject property to provide an overlapping field of view.

The peripheries of surface features and/or structures, where present on the subject property, were observed along with accessible interior common areas.

PSI photographed selected features. The captioned photographs collected during the site reconnaissance are appended.

5.1 SUBJECT PROPERTY DESCRIPTION AND CURRENT USES

General Subject Property Information	
Subject Property Address	1766 El Camino Real, Burlingame, California 94010
Parcel Identification Number(s)	025-161-110
Parcel Size (acres)	1.7±
Subject Property Contact/Escort	Mr. Greg Pasquali/Mr. Bruno Borello
Date of Reconnaissance	June 16, 2021
Utilities	
Water	City of Burlingame Water Division
Wastewater/Sewer	City of Burlingame
Electricity	Pacific Gas & Electric
Natural Gas	Pacific Gas & Electric

Building Information	
Building Description	One single-story commercial building that total 32,625 square feet

Size (square feet)	32,625
Number of Stories	One
Approx. Construction Date	1960
Heating Source	HVAC

The subject property is located on the east side of El Camino Real, south of its intersection with Trousdale Drive. The site address is 1766 El Camino Real, Burlingame, California 94010. The site can also be defined by San Mateo County Assessor Parcels Number (APN): 025-161-110.

Currently, the subject property is developed with one two-story commercial building that totals 32,625 square feet on a 1.70-acre parcel. The subject property is currently unoccupied and includes general commercial spaces, offices, studios, a lobby, a courtyard, and showrooms.

5.2 SUBJECT PROPERTY OBSERVATIONS

A summary of the subject property uses and conditions is tabulated below. Detailed information is discussed following the summary for any "yes" answers, along with an opinion about the significance of the observation.

Identified? (check if Yes)	Item Description
Equipment/Activities/Uses	
	Medical/Dental Offices - Biomedical Wastes
	Dry Cleaners/Laundromats
	Automotive/Equipment Repair
✔	Emergency Generators
	Elevators
	Hydraulic Lifts
	Photo Processing
	Grease Traps and Oil/Water Separators
	Wastewater Treatment Systems
	Septic or Sewage Tanks
	Air Compressors
	Transformers or Other Mechanical/Electrical Equipment That Could Contain PCBs

Identified? (check if Yes)	Item Description
	Pipeline Markers
	Oil and Gas Wells
	Stormwater Retention/Detention Systems
	Quarries, Pits, Lakes, Ponds, or Lagoons
	Use, Storage, or Disposal of Hazardous Substances
	Use, Storage, or Disposal of Petroleum Products
	ASTs/USTs
	Drums or Other Bulk Chemical Containers
	Suspect Containers/Unidentified Contents
✔	Drains or Sumps
	Drinking Water, Irrigation, or Monitoring Wells
	Agrochemical Use/Application
	Railroad Spur, Siding, or Right-of-Way
	Interior/Pavement Stains or Corrosion
	Stained Soil/Stressed Vegetation
	Chemical Odors
	Surface Water Sheen or Discoloration
	Exterior Pipe Discharges/Unknown Pipes/Effluent Discharges
	Pools of Liquid or Standing Water
	Solid Waste Dumping/Landfilling/Suspect Fill Material
	Construction Debris/Material Stockpiles
	Other Uses or Conditions of Concern

Any of the conditions that are not listed above were not observed and are therefore not of environmental concern. This includes potentially PCB containing equipment, ASTs, and USTs.

5.2.1 EMERGENCY GENERATORS

PSI observed a small emergency generator located on the exterior of the building of the subject property. This emergency generator appeared to be fueled by natural gas, and, based on the fuel source, is not considered to be evidence of a REC in connection with the subject property.

5.2.2 DRAINS OR SUMPS

PSI observed a sump operating at the subject property. The sump system appeared to be used to assist in groundwater control and PSI did not observe evidence of unusual staining or improper disposal practices in connection with the system at the time of the site reconnaissance. Based on this information, the presence of the sump system is not considered to be evidence of a REC in connection with the subject property.

5.3 OFF-SITE OBSERVATIONS

A summary of the adjoining property uses and conditions is tabulated below. Detailed information is discussed following the summary for any "yes" answers, along with an opinion about the significance of the observation.

Direction	Description of Adjoining Property Use
North	Burlingame Police Department and California Drive followed by a railroad track
East	Peninsula Dermatology Medical Group and a multi-family residence
South	A frontage road followed by El Camino Real
West	Trousdale Drive followed by a parking lot

Identified? (check if Yes)	Item Description
Equipment/Activities/Uses	
	Medical/Dental Offices - Biomedical Wastes
	Dry Cleaners/Laundromats
	Automotive/Equipment Repair
	Emergency Generators
	Elevators
	Hydraulic Lifts
	Photo Processing

Identified? (check if Yes)	Item Description
	Grease Traps and Oil/Water Separators
	Wastewater Treatment Systems
	Septic or Sewage Tanks
	Air Compressors
	Transformers or Other Mechanical/Electrical Equipment That Could Contain PCBs
	Pipeline Markers
	Oil and Gas Wells
	Stormwater Retention/Detention Systems
	Quarries, Pits, Lakes, Ponds, or Lagoons
	Use, Storage, or Disposal of Hazardous Substances
	Use, Storage, or Disposal of Petroleum Products
	ASTs/USTs
	Drums or Other Bulk Chemical Containers
	Suspect Containers/Unidentified Contents
	Drains or Sumps
	Drinking Water, Irrigation, or Monitoring Wells
	Agrochemical Use/Application
	Railroad Spur, Siding, or Right-of-Way
	Interior/Pavement Stains or Corrosion
	Stained Soil/Stressed Vegetation
	Chemical Odors
	Surface Water Sheen or Discoloration
	Exterior Pipe Discharges/Unknown Pipes/Effluent Discharges
	Pools of Liquid or Standing Water
	Solid Waste Dumping/Landfilling/Suspect Fill Material
	Construction Debris/Material Stockpiles
	Other Uses or Conditions of Concern

PSI did not observe any of the above uses or conditions in connection with the adjoining properties at the time of the site reconnaissance.

6.0 HISTORICAL USES

PSI utilized readily ascertainable historical data resources in order to research the history of the subject property and surrounding area. The intent of this review was to identify historical tenancies or uses of the subject property and surrounding area, which might be considered evidence of a REC. Generally, PSI reviewed the following readily ascertainable historical data resources, where they were available:

- Readily available historical topographic maps were reviewed to evaluate land development in the area over time. It should be noted that the scale of topographic maps in some cases does not allow for mapping of individual structures and developed areas may be shown by shading only.
- Selected historical aerial photographs were reviewed at 5-10 year intervals to obtain information concerning the development and history of the subject property and surroundings.
- PSI reviewed readily ascertainable historical city directories at 5-10 year intervals in order to obtain information on tenancies on the subject property and adjoining properties.
- PSI requested available historical fire insurance maps from ERIS. The Sanborn® Map Company and other regional providers historically mapped urban areas for use by insurance underwriters. In some cases, these maps provide useful information in evaluating previous tenancies and uses of the subject property and surrounding area. “Sanborn”, “Sanborn Map”, “Sanborn Map Company”, and “Sanborn Fire Insurance Maps” are recognized trademarks of the Sanborn Map Company, a subsidiary of Environmental Data Resources, Inc.

Copies of select historical documents are provided in the report appendix; however, it should be noted that some of the resources used by PSI may be copyrighted and PSI has summarized these resources herein, but we have not included copies of these resources in the appendix.

6.1 CURRENT AND PRIOR USE INTERVIEWS

PSI conducted or attempted to conduct interviews with persons who are knowledgeable of the current use and history of the subject property. The following individuals were interviewed.

Name	Title/Role	Date Interviewed	Summary
Mr. Greg Pasquali	Client, Carmel Partner	Multiple Dates	Mr. Pasquali provided site information on and access to the subject property.
Mr. Bruno Borello	Property Manager	June 16, 2021	Mr. Borello escorted PSI during the site reconnaissance.

Name	Title/Role	Date Interviewed	Summary
Clerk	San Mateo County Health: Environmental Health Services Division	June 14 & June 16, 2021	The San Mateo County Health: Environmental Health Services Division processed PSI's FOIA request and stated that there were no files provided on the subject property.
Ms. Meghan Hassel-Shearer	Clerk, City of Burlingame	June 18, 2021	Ms. Hassel-Shearer processed PSI's FOIA request and stated that San Mateo County Health would be able to process PSI's FOIA request.
RWQCB	Geotracker Website	June 30, 2021	PSI reviewed the RWQCB Geotracker website for information on the subject property and vicinity.
DTSC	Local Gov't Official	June 30, 2021	PSI reviewed the DTSC Envirostor website for information on the subject property and vicinity.

No evidence of RECs was identified as a result of the interviews conducted during this assessment.

6.2 SUMMARY OF RESOURCES

PSI reviewed the following resources in order to evaluate the historic uses of the subject property, adjoining and/or surrounding area.

Source Type	Years Reviewed	Source
Topo Maps	2015	ERIS
Aerial Photographs	1930, 1941, 1946, 1956, 1960, 1968, 1970, 1974, 1982, 1987, 1993, 2004, 2005, 2006, 2009, 2010, 2012, 2014, 2016, 2018, 2020	ERIS
City Directories	1936, 1939, 1942, 1946, 1947, 1949, 1950, 1958, 1963, 1970, 1977, 1982, 1987, 1991, 1996, 2001, 2006, 2012, 2016, 2020	ERIS
Fire Insurance Maps	1926, 1970 (The 1970 Map is unclear)	ERIS

6.3 SUMMARY HISTORY OF THE SUBJECT PROPERTY AND ADJOINING PROPERTIES

A chronological summary of the history and use of the subject property and immediately adjoining properties is provided in the following tables.

6.3.1 SUBJECT PROPERTY

Year(s)	Interpreted Use/Observations
1926,1930, 1941, 1946	Sanborn Map & Aerial Photographs: The subject property appears to be developed as a Millbrae Dairy. The property appears to be predominately undeveloped land with a bull pen to the west and milking barn to the north.
1956	Aerial Photograph: The subject property appears to be undeveloped land.

Year(s)	Interpreted Use/Observations
1960, 1963, 1968, 1970, 1974, 1977, 1982, 1987, 1991, 1993, 1996, 2001, 2004, 2005, 2006, 2009, 2010, 2012, 2014, 2016, 2018, 2020	Aerial Photographs & City Directories: The subject property appears to be in its current configuration with the development of the commercial building with additions added up until the early- to mid-1970s. City Directories indicate the following: 1766 El Camino Real Am Can Co (1963); Pacific Standard Life Ins Co (1970); Financial Asc Cmptr (1977); Reliable Data Serv (1977); Certosa Inc (1987); Levin Jeanne Atty (1987); Liberty Mrtg Inyst (1987); P M T Pac Mtr Trckg (1987); D M C Real Estate (1987-1991); Berning Randall K (1987-1996); Brizzolara A E Atty (1987-1996); Muzzi Vincent Atty (1987-1996); Liberty Mrtg Invst (1991); DMC Real Estate (1991-1996); Borello Bruno (1996); Building (1996); Classic Blog Mntnc (1996); Instituto Familiar (1996); Liberty Mrtg Inysts (1996); Mayflower Cntrct Sy (1996); Poplar Center (1996); No Listing (2001)

No evidence of RECs was identified as a result of the historical review of the subject property that was conducted during this assessment.

6.3.2 IMMEDIATELY ADJOINING PROPERTIES

NORTH	
Year(s)	**Interpreted Use/Observations**
1926, 1930, 1941, 1946	Sanborn Map & Aerial Photographs: The adjoining property to the north appears to be a milking barn, which is a part of the Millbrae Dairy operation, followed by a creamery.
1956, 1960, 1968, 1970, 1974	Aerial Photographs: The adjoining property to the north appears to be undeveloped land followed by California Drive and a railroad track.
1982, 1987, 1991, 1993, 1996, 2001, 2004, 2005, 2006, 2009, 2010, 2012, 2014, 2016, 2018, 2020	Aerial Photographs & City Directories: The adjoining property to the north appears to be developed in its current configuration with the development of the commercial building. City Directories indicate the following: 1111 Trousdale Drive Police Dept (1987-1991); Burl Cty Police Bus (1987-1996); Police Dpt Burlnome (1996); Pouce Dpt Burlng (1996); Burl Cty Police Business (2001); Police Dept Business Calls (2001); Burlingame Police Dept (2012-2020); Burlingame City Ofc (2020)

EAST	
Year(s)	**Interpreted Use/Observations**
1926, 1930, 1941, 1946	Sanborn Map & Aerial Photographs: The adjoining property to the east appears to be developed with a hay shed, an implantation shed, and a small structure. This property also operated as Millbrae Dairy.
1956, 1960, 1968	Aerial Photographs: The adjoining property to the east appears to be undeveloped land.
1970, 1974, 1982, 1987, 1993, 2004, 2005	Aerial Photographs: The adjoining property to the east appears to be developed with the current commercial building to the south.
2006, 2009, 2010, 2012, 2014, 2016, 2018, 2020	Aerial Photographs & City Directories: The adjoining property to the east appears to be in its current configuration with the development of the residential building. City Directories identify multiple tenants operating within the commercial and residential property throughout the years. None of the City Directory listings appear to be indicative of a REC.

SOUTH	
Year(s)	**Interpreted Use/Observations**
1926	Sanborn Map: The adjoining property to the south appears to be El Camino Real.
1930, 1941, 1946	Aerial Photographs: The adjoining property to the south appears to be El Camino Real followed by undeveloped land.
1956, 1960, 1968, 1970, 1974, 1982, 1987, 1993, 2004, 2005, 2006, 2009, 2010, 2012, 2014, 2016, 2018, 2020	Aerial Photographs: The adjoining property to the south appears to be in its current configuration as El Camino Real.

WEST	
Year(s)	**Interpreted Use/Observations**
1926, 1930, 1941, 1946	Sanborn Map & Aerial Photographs: The adjoining property to the west appears to be undeveloped land.

WEST	
Year(s)	**Interpreted Use/Observations**
1956, 1960, 1968, 1970, 1974, 1982, 1987	Aerial Photographs: The adjoining property to west appears to be Trousdale Drive followed by a commercial building.
1993, 2004, 2005, 2006, 2009, 2010, 2012, 2014, 2016, 2018, 2020	Aerial Photographs: The adjoining property to the west appears to be undeveloped land.

No evidence of RECs was identified as a result of the historical review of adjoining properties that was conducted during this assessment.

7.0 ENVIRONMENTAL REGULATORY RECORDS REVIEW

7.1 DATABASE FINDINGS

PSI retained ERIS to provide environmental database information attributed to the subject property and its surroundings. ERIS obtains environmental databases published by local, state, tribal, and federal agencies and maps the information for electronic searches. ERIS's service includes reporting Standard Environmental Records Sources as listed in the Practice.

The search, where applicable, was performed to AMSDs listed in ASTM E1527-13. The search radius required by ASTM varies by database.

ERIS also provides data for searches of other regulatory databases they believe may have useful information. The AMSDs for those databases are determined by ERIS.

Unplottable (orphan) sites (if any were listed) having insufficient address information to be mapped were evaluated for potential location within the applicable AMSD. Those that could be determined to be within the AMSD are discussed, as appropriate.

The distribution of listed sites with respect to the subject property is tabulated and mapped in ERIS's Database Report, which is appended. The reader is referred to the table, which can be found near the front of ERIS's report. The full names of the database abbreviations and acronyms used below and in ERIS's report can be found in the Database Descriptions appendix of that report.

7.1.1 SUBJECT PROPERTY

The subject property was listed on one or more regulatory databases, as summarized in the following table.

Facility Name(s):	Pacific Motor Trucking, Certosa Inc.
Address(es):	1766 El Camino Real, Burlingame, California
Database(s):	FINDS/FRS, HAZNET, RCRA NON GEN

Comments: The subject property was identified on the FINDS/FRS, HAZNET, and RCRA NON GEN dstabases. These listings are associated with the site's storage and removal of hazardous materials/waste on the property. There are no violations noted within these listings, nor are there indications of a release. Based on this information, PSI does not consider these listings to represent a REC to the subject property.

7.1.2 ADJOINING PROPERTIES

ERIS identified a number of regulated facilities and/or spill sites within the search radius. Those sites that are adjacent to the subject property are summarized and discussed in the table below.

Facility Name(s):	Bohannan DDS, William B, Elliston MD, Robert R, Halden S Tu, DDS, Labcorp, Mid Peninsula Urology Group, Peninsula Dermatology Med Group, Oak Grove Pharmacy, Inc., Linna Golodriga (cont...)
Address(es):	1750 El Camino Real, Burlingame, California
Distance/Direction:	Adjoining property to the east
Elevation:	22 feet
Database(s):	CUPA SANMATEO, FINDS/FRS, HAZNET, MED WST SANMATEO, RCRA NON GEN

Comments: This adjoining property was identified on the CUPA SANMATEO, FINDS/FRS, HAZNET, MED WST SANMATEO, and RCRA NON GEN databases. These listings are associated with this property's storage of hazardous and bio-medical waste. There are no violations, no on-site treatment/disposal, and no indications of a release. Based on this information and the nature of these listings, PSI does not consider these listings to represent a REC to the subject property.

Facility Name(s):	Burlingame Police Department, City of Burlingame Police Department, Burlingame PD-Disposal, City of Burlingame Public Works,
Address(es):	1111 Trousdale Drive, Burlingame, California
Distance/Direction:	Adjoining property to the north
Elevation:	18 feet
Database(s):	C&D DEBRIS RECY, CERS HAZ, CUPA SANMATEO, DELISTED CTNK, DELISTED TNK, EMISSIONS, FINDS/FRS, HHSS, HIST TANK, LOP SANMATEO, LUST, MED WST SANMATEO, RCRA NON GEN, UST, UST SWEEPS

Comments: This property was listed on the C&D DEBRIS RECY, CERS HAZ, CUPA SANMATEO, DELISTED CTNK, DELISTED TNK, EMISSIONS, FINDS/FRS, HHSS, HIST TANK, LOP SANMATEO, LUST, MED WST SANMATEO, RCRA NON GEN, UST, and UST SWEEPS databases.

The EMISSIONS and FINDS/FRS database listings are associated with this property being regulated by the Bay Area Air Quality Management District (AQMD) as a source of air emissions, while the CERS HAZ, C&D DEBRIS RECY, MED WST SANMATEO, and RCRA NON GEN database listings are associated with this site's storage of hazardous materials. There are minor violations noted within the CERS HAZ listings, which includes failure to complete and electronically submit elements of their Hazardous Materials Business Plan, failure to submit, obtain approval, or maintain a complete/accurate response plan, failure to notify the CUPA of the designated operator (DO) identification and/or change of the DO within 30 days, failure to have a UST Monitoring Plan available on site, and failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance. Overall, the property appeared to return to compliance with their local regulatory agency, San Mateo County Environmental Health. As such, PSI does not consider the aforementioned listings to represent a REC.

The CUPA SANMATEO, DELISTED CTNK, DELISTED TNK, LOP SANMATEO, LUST, HHSS, UST, UST SWEEPS, and HIST TANK listings are associated with this property's former operation of two underground storage tanks: One 12,000-gallon gasoline UST and one 4,000-gallon diesel UST. According to these listings, there was an unauthorized release of gasoline from the 12,000-gallon UST in December of 2017 that impacted the subsurface. Remedial action took place, groundwater monitoring wells were installed, and approximately 600 cubic yards of soil was excavated. Confirmation soil samples collected identified the presence of total petroleum hydrocarbons as gasoline (TPH-G) at a concentration of 1,400 milligrams per kilogram (mg/kg), ethanol at 1.3 mg/kg, ethylbenzene at 11 mg/kg, xylenes (total) at 16 mg/kg, and naphthalene at 4.7 mg/kg. Ethylvenzene, xylenes (total), and naphthalene were detected above the Tier 2 ESL. Groundwater analytical results detected TPH-D, TPH-MO, TPH-G, benzene, toluene, ethylbenzene, xyleses, methyl tert-butyl ether (MBTE), tertiary butyl alcohol (TBA), naphthalene, trichloroethene, acetone, n-butylbenzene, sec-butylbenzene, tert-butylbenzene, carbon disulfide, 2-hexanone, 2-butanone (methyl ethyl ketone), n-propylbenzene, tricholorofluoromethane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, ethanol, ethyl tert butyl ether, and tert-butyl ether.

The site is currently under regulatory oversight and there is detectable groundwater impact identified on this property and likely the subject property. Based the impact to this property and its close proximity to the subject property, PSI considers the LUST and active status on this adjoining property to represent a REC to the subject property.

7.1.3 SURROUNDING PROPERTIES

ERIS identified a number of regulated facilities and/or spill sites within the search radius. However, PSI considered the remaining database listings unlikely to impact the subject property based upon factors including (but not limited to):

- The nature of the listing;
- The use of the facility;
- When the facility was listed and its current listed status;
- The developmental density of the setting;
- The potential for vapors to encroach from the property to the subject property;
- The distance between the listing and subject sites related to whether releases are likely to migrate based on local surface and subsurface drainage conditions; and/or
- The presence of intervening drainage divides; and/or inferred groundwater movement.

Facility Name(s):	Bayview Environmental Ser Inc.
Address(es):	1800 El Camino Real, Burlingame, California
Distance/Direction:	Approximately 300 feet to the southwest of the subject property
Elevation:	25 feet
Database(s):	HAZNET

Comments: This property was identified on the HAZNET database. This listing is associated with this site's storage of hazardous materials. There are no violations noted and there are no indications of a release. Based on this information, PSI does not consider this listing to represent a REC to the subject property.

Facility Name(s):	Burlingame Long Term Care, Burlingame Skilled Nursing, Care West Burlingame, San Mateo Medical Center Burli, and Burlingame Senior Care LLC
Address(es):	1100 Trousdale Drive, Burlingame, California
Distance/Direction:	Approximately 200 feet to the north, across Trousdale Drive
Elevation:	20 feet
Database(s):	CUPA SANMATEO, EMISSIONS, FINDS/FRS, HAZNET, MED WST SANMATEO

Comments: This property was identified on the CUPA SANMATEO, EMISSIONS, FINDS/FRS, HAZNET, and MED WST SANMATEO databases. These listings are associated with this site's storage of hazardous materials/ waste. There are no violations noted and there are no indications of a release. Based on this information, PSI does not consider these listings to represent a REC to the subject property.

7.2 REGULATORY AGENCY INQUIRIES

PSI sought information about the subject property and/or surrounding area from the governmental agencies listed in the following sections. Information was requested by telephone, in person, via e-mail, through an RFI, or through a written FOIA or equivalent request, as appropriate.

7.2.1 LOCAL OR REGIONAL HEALTH DEPARTMENT OR ENVIRONMENTAL DIVISION

In response to the FOIA request, the San Mateo County Health: Environmental Health Services Division provided no records on the subject property.

7.2.2 CITY CLERK

In response to the FOIA request, the City of Burlingame stated that they had no records on the subject property and recommended that PSI reach out to San Mateo Environmental.

8.0 VAPOR ENCROACHMENT SCREENING

8.1 METHODOLOGY

The ASTM E1527-13 process requires the Environmental Professional to evaluate the potential for vapor encroachment onto the subject property, and to determine if such vapor encroachment constitutes evidence of a REC in connection with the subject property. The Practice does not specifically state the methods that must be used to screen for potential vapor encroachment issues. PSI utilized the VES Standard Guide as a basis to conduct a VES for the subject property. PSI used the Tier I procedure from the VES Standard Guide during this assessment. Where Tier II information is readily available during the normal course of conducting the Phase I ESA, PSI has combined the Tier I and Tier II steps.

The VES process utilizes information regarding the potential presence of releases on or near the subject property that were collected as a normal part of the Phase I ESA process. If the User Questionnaire was returned, PSI also reviewed the answers to the vapor encroachment screening questions. No additional data was collected specifically for the purpose of the VES. In order to identify potential sites of concern within the VES AMSDs, PSI reviewed, as available and appropriate, governmental database records, regulatory agency files, topo maps, aerial photography, fire insurance maps, and other information.

The AMSDs were expanded or reduced in the up-gradient, down-gradient, or cross-gradient directions by the environmental professional based on experience in the local area and applying professional judgment to factors such as: where a well-defined regional groundwater flow direction is identified; or whether other geologic features such as low permeability soils or hydrogeologic boundaries (such as rivers or streams) exist which would tend to limit the potential for migration of groundwater or vapors in a particular direction.

If a VEC was identified, the environmental professional determined whether the VEC represented evidence of a REC in connection with the subject property within the context of the Phase I ESA Standard Practice. It should be noted that the identification of a VEC in connection with the subject property does not necessarily indicate that a potential for migration of vapors into existing or proposed structures on the subject property is likely.

8.2 VES RESULTS

PSI identified sites of concern within the VES search radii and concludes that a VEC exists on the subject property due to impact within the groundwater caused by the immediately adjoining property to the north (1111 Trousdale Drive). A LUST case associated with this property caused impact to the subsurface and the contaminants identified within the groundwater include TPH-G and multiple VOCs.

8.3 VES LIMITATIONS

The VES process is not intended to be an exhaustive screening and cannot wholly eliminate uncertainty regarding the presence of VECs in connection with the subject property. In addition, to the limitations inherent in the ASTM Standard Guide, the screening is intended to reduce, but not eliminate uncertainty regarding whether or not a VEC exists in connection with the subject property.

9.0 WARRANTY AND RELIANCE

9.1 STANDARD OF CARE AND WARRANTIES

Our services were not intended to be technically exhaustive. There is a possibility that with the proper application of methodologies, conditions may exist on the property that could not be identified within the scope of the assessment(s) or that were not reasonably identifiable from the available information.

No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with the property. The ESA was intended to reduce, but not eliminate uncertainty regarding the potential for RECs in connection with a property.

Our report is based on commonly known and reasonably ascertainable information, including limited, ground-level visual inspection of the property except where otherwise explicitly indicated, in general conformance with ASTM E1527-13. Findings and conclusions derived from the methodologies described in the Practice contain all of the inherent limitations in the methodologies that are referred to in the Practice.

PSI has assumed that factual information provided to us by the Client, or obtained from governmental and historical research firm, the public domain, interviews, and other sources is accurate and unbiased. PSI assumes no liability for the accuracy of data provided to us by others.

PSI did not perform any exploratory probing or discovery, perform tests, operate any specific equipment, or take measurements or samples to perform the ESA scope. The ESA was not a building code, safety, regulatory or environmental compliance inspection. The ESA is not intended to reduce the risk of the presence of mold and physical deficiencies conducive to mold nor the risk that mold or physical deficiencies conducive to mold may pose to the buildings and building occupants.

The methodologies include reviewing information provided by other sources. PSI treats information obtained from the record reviews and interviews concerning the property as reliable and the ASTM protocol does not require PSI to independently verify the information. Therefore, PSI cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete.

PSI has performed the services in a manner consistent with that level of care and skill ordinarily exercised by other members of our profession currently practicing in the same locality and under similar conditions, within the limitations of ASTM E1527-13 standard, and the All Appropriate Inquiries Rule established by the U.S. Environmental Protection Agency (40 CFR Part 312). No other warranties are implied or expressed.

The observations and recommendations presented in this report are time dependent, and conditions will change. This report speaks only as of its date.

No other warranties are implied or expressed.

9.2 RELIANCE

Carmel Partners, PSI's client, may rely on this report.

9.3 THIRD PARTY RELIANCE

This report was prepared pursuant to a contract between PSI and its client. That contractual relationship included an exchange of information about the subject property that was unique and serves as the basis upon which this report was prepared. Because of the importance of these understandings, our assessment may not be sufficient for the intended purposes of another party.

Reliance or any use of this report by anyone other than those parties identified above for which it was prepared, except with express written permission, is prohibited and therefore not foreseeable to PSI. Any unauthorized reliance on or use of this report, including any of the information or conclusions contained herein, will be at the third party's risk. No warranties or representations expressed or implied in this report are made to any such third party.

Third party reliance letters may be issued:

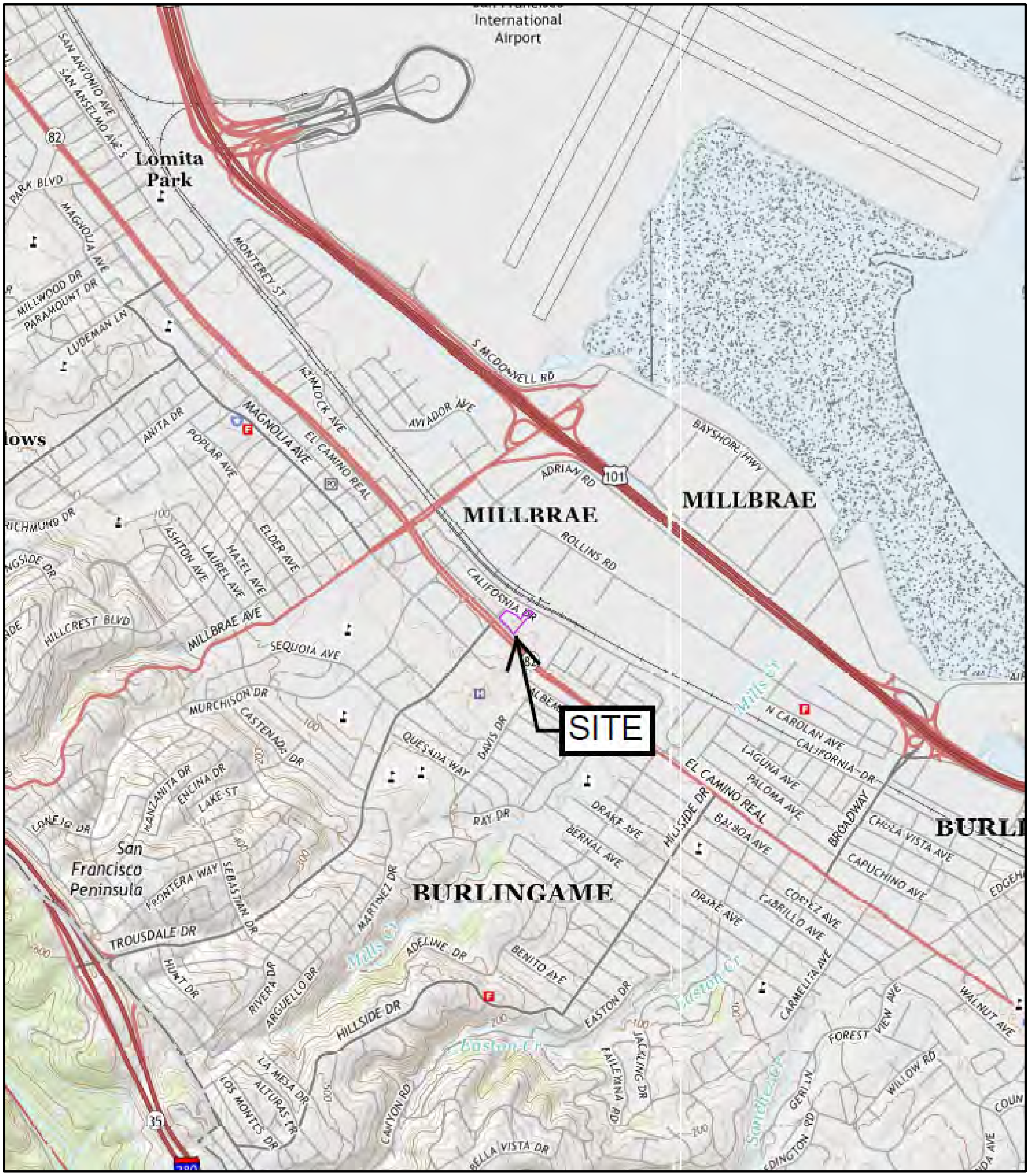
- upon timely request;
- subject to the permission of our original client; and
- payment of the then-current fee for such letters.

All third parties relying on our report, by such reliance, agree that such reliance is limited by our proposal and/or General Conditions, as applicable.

FIGURES

NORTH

Not to Scale

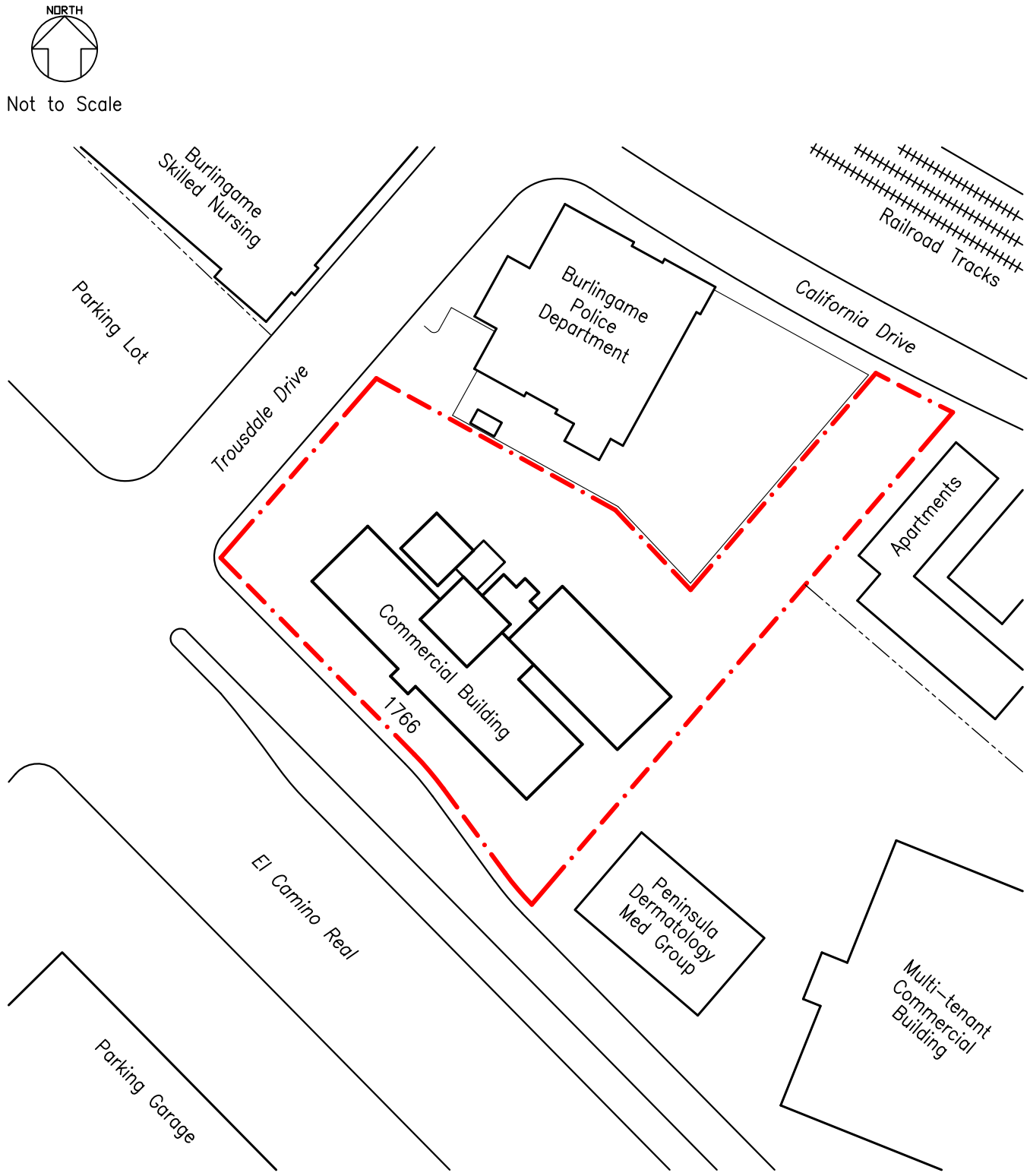


REFERENCE:
U.S.G.S. MONTARA MOUNTAIN, CA, 2015

intertek psi
Total Quality. Assured.

4703 Tidewater Avenue, Suite B
Oakland, California 94601
(510) 434-9200

Project Name: Commercial Building 1766 El Camino Real, Burlingame, California 94010	Drawn By: M.G.	Date: 6/21/21	File No.: 1840-001	Figure No.: 1
Title: SITE VICINITY MAP	Approved By: K.I.	Project No.: 575-1840		



LEGEND

SUBJECT PROPERTY BOUNDNDARY

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4703 Tidewater Avenue, Suite B
Oakland, California 94601
(510) 434-9200

Project Name:	Drawn By:	Date:	File No.:	Figure No.:
Commercial Building 1766 El Camino Real, Burlingame, California 94010	M.G.	6/21/21	1840-001	2
Title: SITE PLAN	**Approved By:** K.I.	**Project No.:** 575-1840		

PHOTOGRAPHS

Photo 1: View looking east at the subject property.

Photo 2: View looking north at the subject property.

Photo 3: View looking southeast at the subject property.

Photo 4: View looking north at the subject property.

Photo 5: View looking east at the subject property.

Photo 6: View looking southeast at the subject property.

Photo 7: View looking south at the subject property.

Photo 8: View looking northwest at the subject property.

Photo 9: View looking at the interior of the subject property.

Photo 10: View looking at the interior of the subject property.

Photo 11: View looking at the interior of the subject property.

Photo 12: View looking at the interior of the subject property.

Photo 13: View looking at the interior of the subject property.

Photo 14: View looking south at the adjoining property to the south.

Photo 15: View looking north at the adjoining property to the north.

Photo 16: View looking east at the adjoining property to the east.

USER QUESTIONNAIRE RESPONSES

No User Questionnaire has been received by PSI during this assessment.

HISTORICAL DOCUMENTATION: AERIAL PHOTOGRAPHS

ERIS

HISTORICAL AERIALS

Project Property:	Office Building 1766 El Camino Real Burlingame CA 94010
Requested By:	Intertek PSI
Order No:	21060900937
Data Completed:	June 11,2021

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Date	Source	Scale	Comments
1930	Private Company	1" to 500'	
1941	Private Company	1" to 500'	
1946	US Geological Survey	1" to 500'	
1956	US Geological Survey	1" to 500'	
1960	United States Air Force	1" to 500'	Best Copy Available
1968	US Geological Survey	1" to 500'	
1970	US Geological Survey	1" to 500'	Best Copy Available
1974	US Geological Survey	1" to 500'	
1982	National High Altitude Photography	1" to 500'	
1987	National Aerial Photography Program	1" to 500'	Best Copy Available
1993	US Geological Survey	1" to 500'	
2004	National Agriculture Information Program	1" to 500'	
2005	National Agriculture Information Program	1" to 500'	
2006	National Agriculture Information Program	1" to 500'	
2009	National Agriculture Information Program	1" to 500'	
2010	National Agriculture Information Program	1" to 500'	
2012	National Agriculture Information Program	1" to 500'	
2014	National Agriculture Information Program	1" to 500'	
2016	National Agriculture Information Program	1" to 500'	
2018	National Agriculture Information Program	1" to 500'	
2020	National Agriculture Information Program	1" to 500'	

Year: 1930
Source: FAIRCHILD
Scale: 1" to 500'
Comment:

Address: 1766 El Camino Real, Burlingame, CA
Approx Center: -122.38207711,37.5946242

Order No: 21060900937

ERIS

Year: 1941
Source: FAIRCHILD
Scale: 1" to 500'
Comment:

Address: 1766 El Camino Real, Burlingame, CA
Approx Center: -122.38207711,37.5946242

Order No: 21060900937

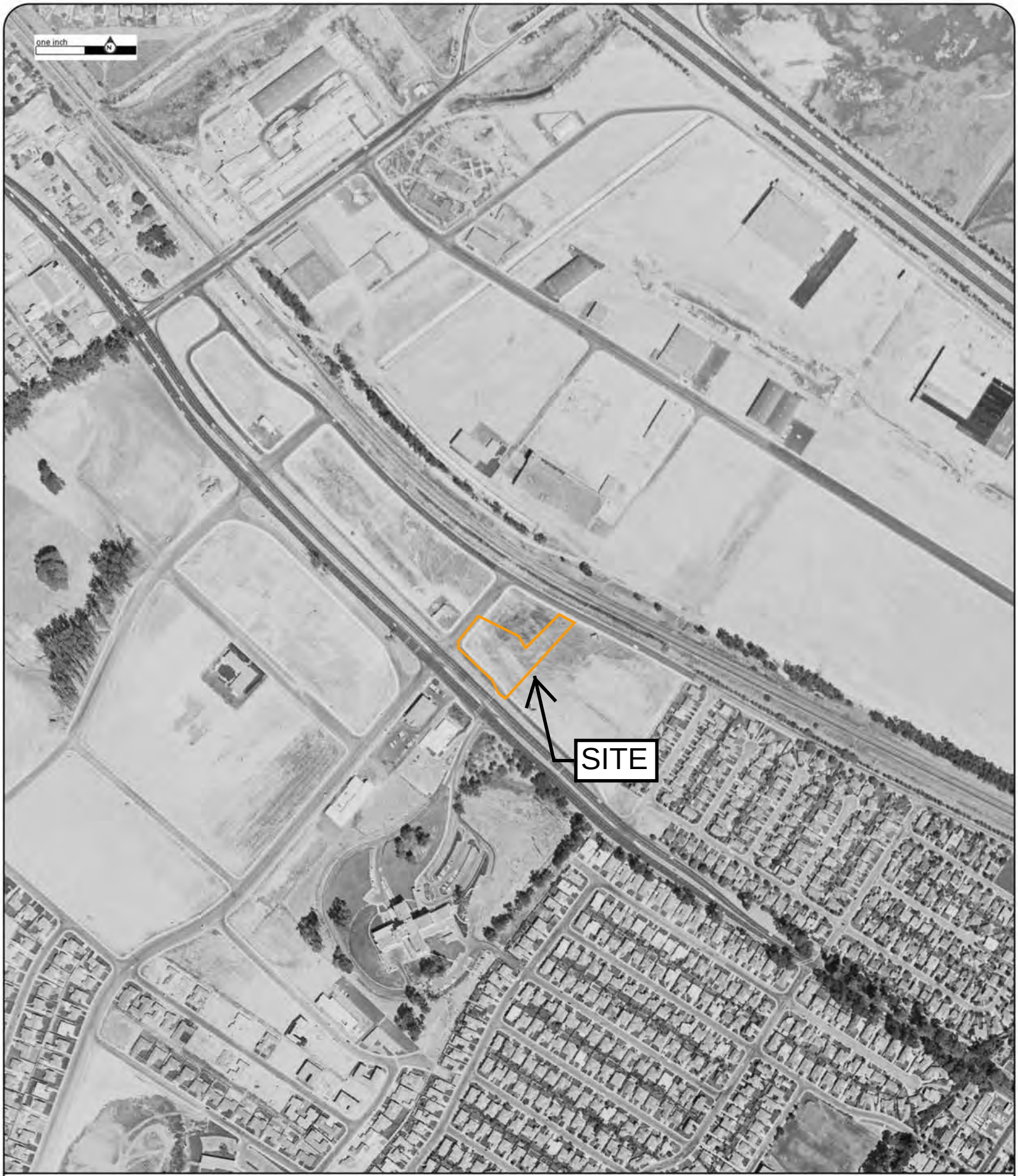
ERIS

Year: 1946
Source: USGS
Scale: 1" to 500'
Comment:

Address: 1766 El Camino Real, Burlingame, CA
Approx Center: -122.38207711,37.5946242

Order No: 21060900937

ERIS

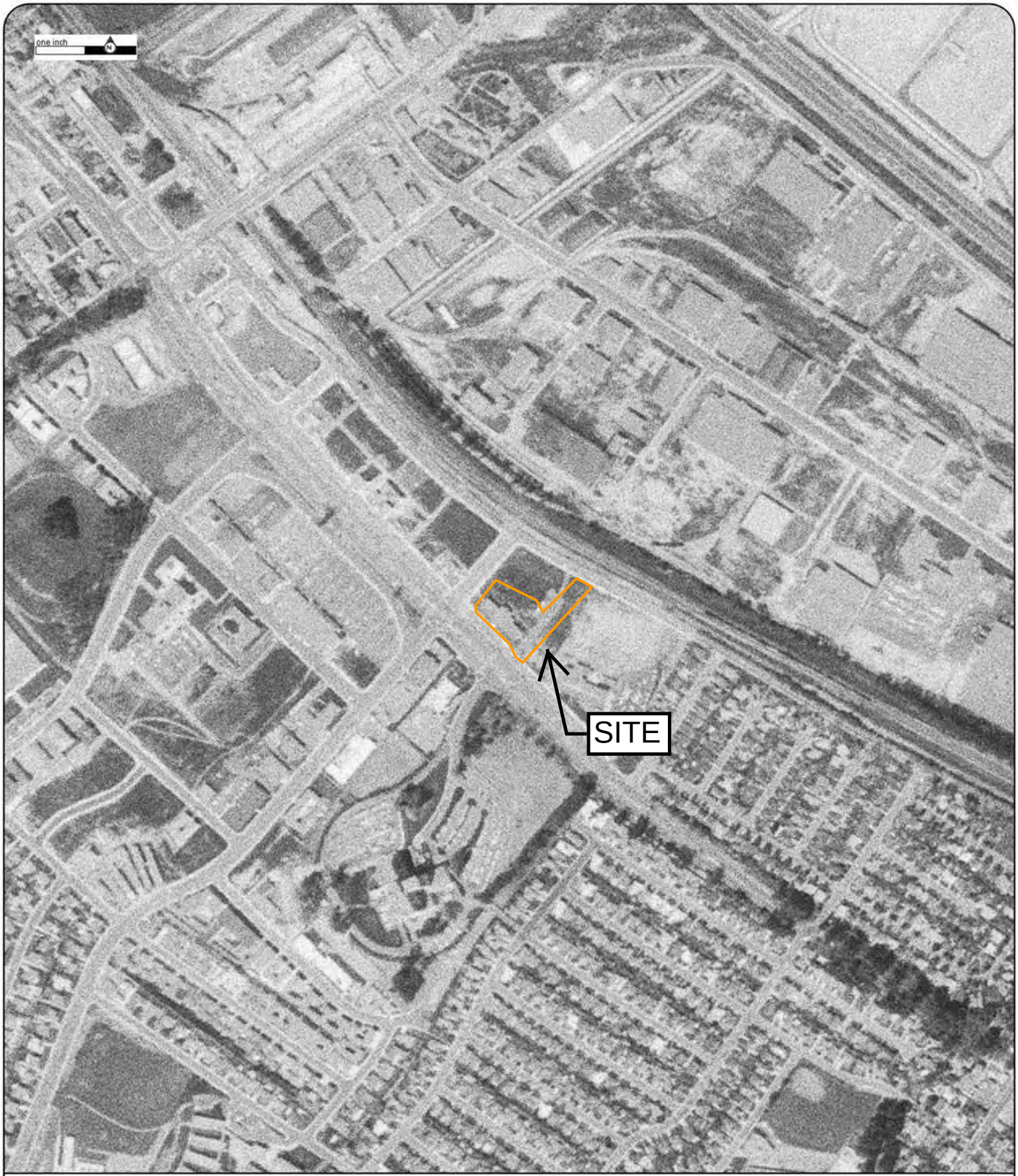


Year: 1956
Source: USGS
Scale: 1" to 500'
Comment:

Address: 1766 El Camino Real, Burlingame, CA
Approx Center: -122.38207711,37.5946242

Order No: 21060900937

ERIS



Year: 1960
Source: USAF
Scale: 1" to 500'
Comment: Best Copy Available

Address: 1766 El Camino Real, Burlingame, CA
Approx Center: -122.38207711,37.5946242

Order No: 21060900937

ERIS

Year: 1968
Source: USGS
Scale: 1" to 500'
Comment:

Address: 1766 El Camino Real, Burlingame, CA
Approx Center: -122.38207711,37.5946242

Order No: 21060900937

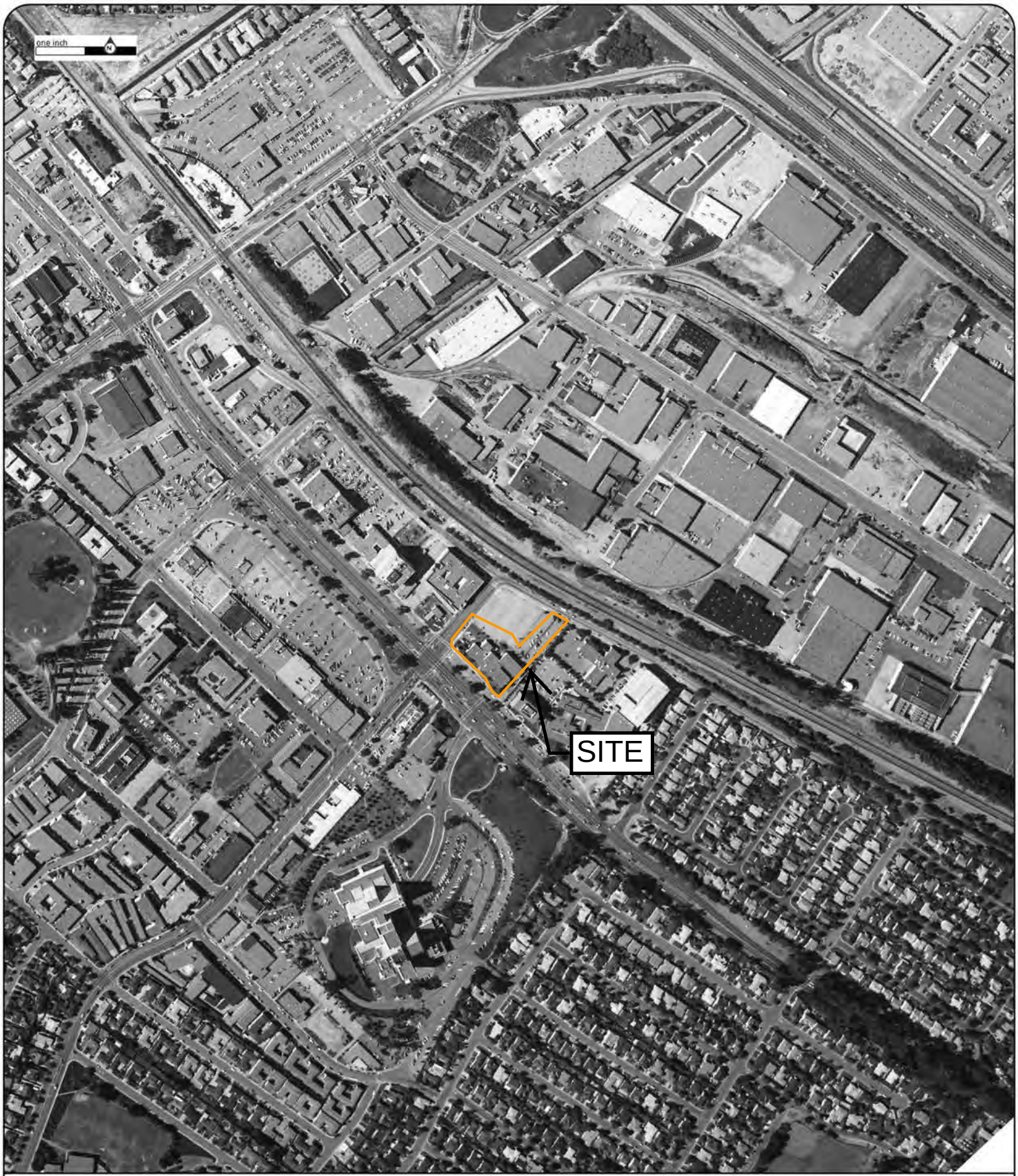
ERIS

Year: 1970
Source: USGS
Scale: 1" to 500'
Comment: Best Copy Available

Address: 1766 El Camino Real, Burlingame, CA
Approx Center: -122.38207711,37.5946242

Order No: 21060900937

ERIS



Year: 1974
Source: USGS
Scale: 1" to 500'
Comment:

Address: 1766 El Camino Real, Burlingame, CA
Approx Center: -122.38207711,37.5946242

Order No: 21060900937

ERIS

Year: 1982
Source: NHAP
Scale: 1" to 500'
Comment:

Address: 1766 El Camino Real, Burlingame, CA
Approx Center: -122.38207711,37.5946242

Order No: 21060900937

ERIS

Year: 1987
Source: NAPP
Scale: 1" to 500'
Comment: Best Copy Available

Address: 1766 El Camino Real, Burlingame, CA
Approx Center: -122.38207711,37.5946242

Order No: 21060900937

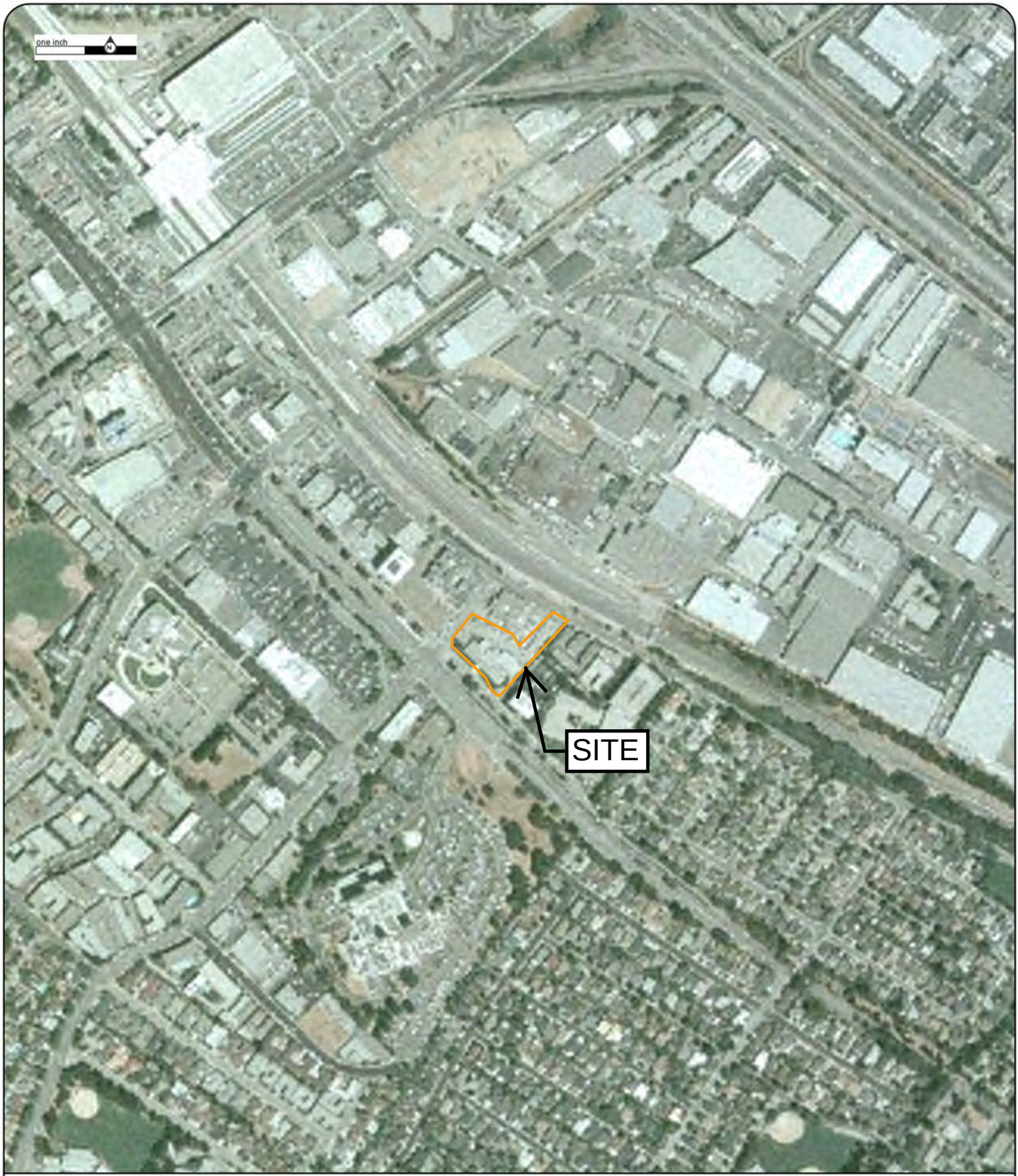
ERIS

Year: 1993
Source: USGS
Scale: 1" to 500'
Comment:

Address: 1766 El Camino Real, Burlingame, CA
Approx Center: -122.38207711,37.5946242

Order No: 21060900937

ERIS

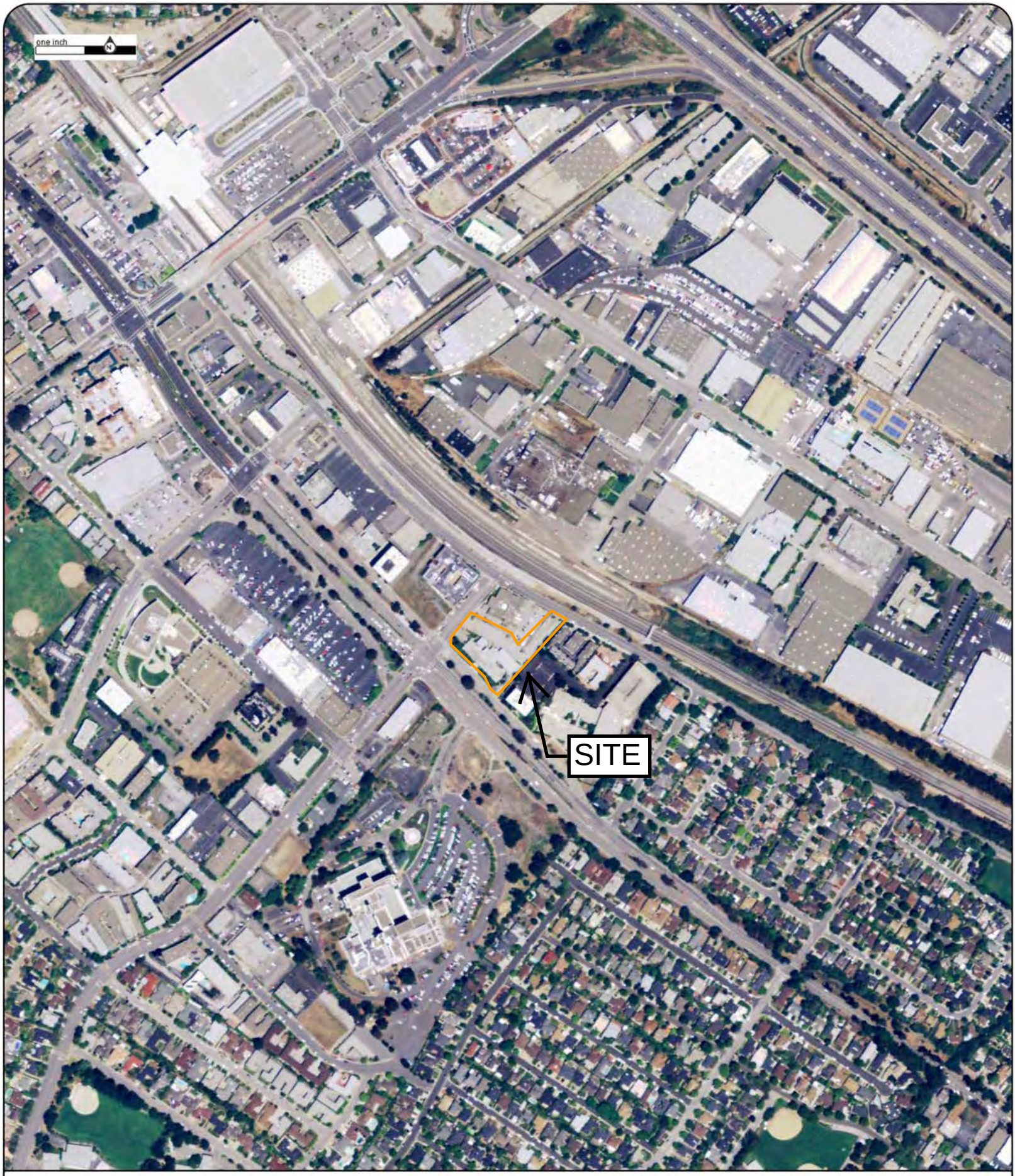


Year: 2004
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 1766 El Camino Real, Burlingame, CA
Approx Center: -122.38207711,37.5946242

Order No: 21060900937

ERIS

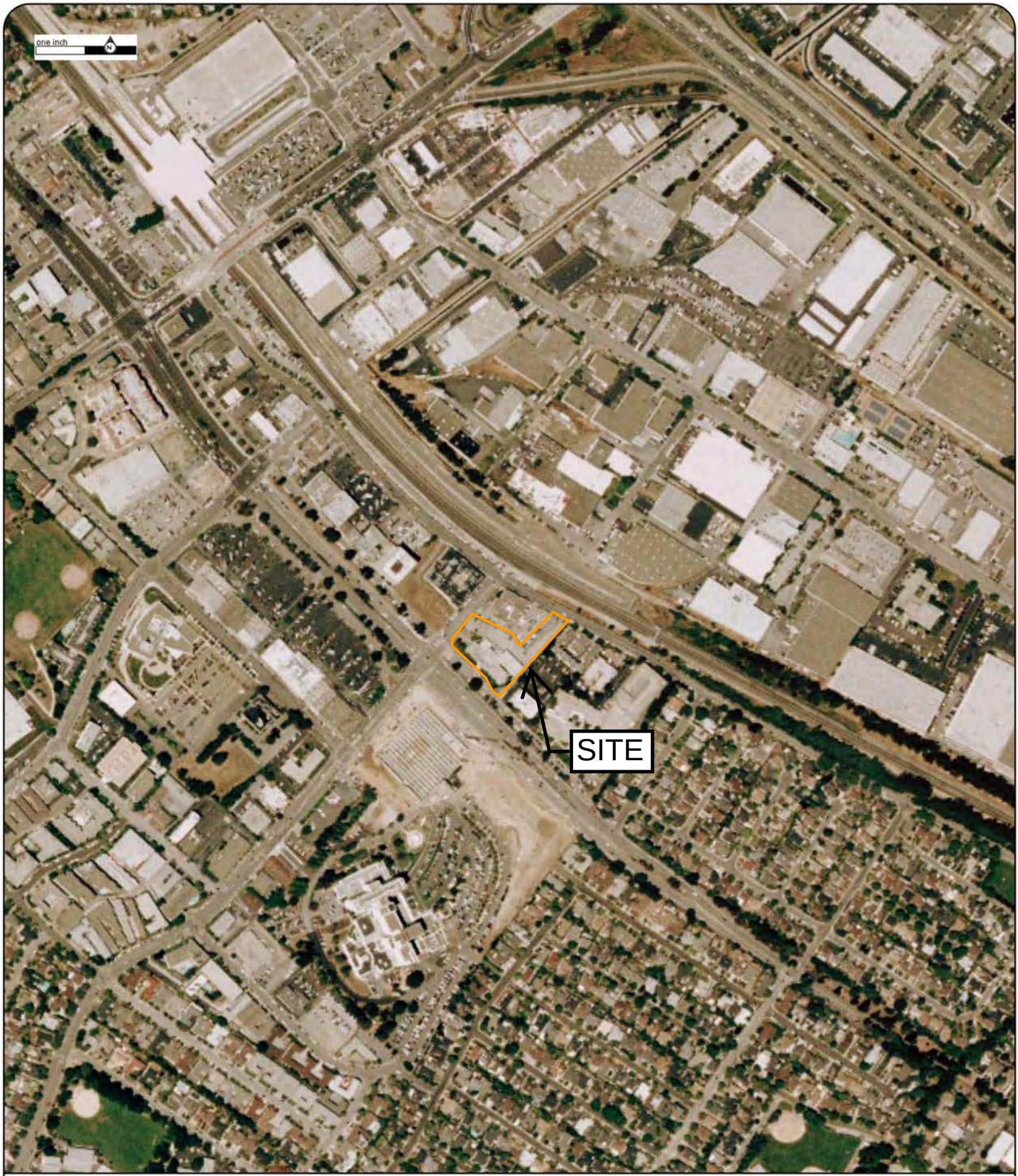


Year: 2005
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 1766 El Camino Real, Burlingame, CA
Approx Center: -122.38207711,37.5946242

Order No: 21060900937

ERIS

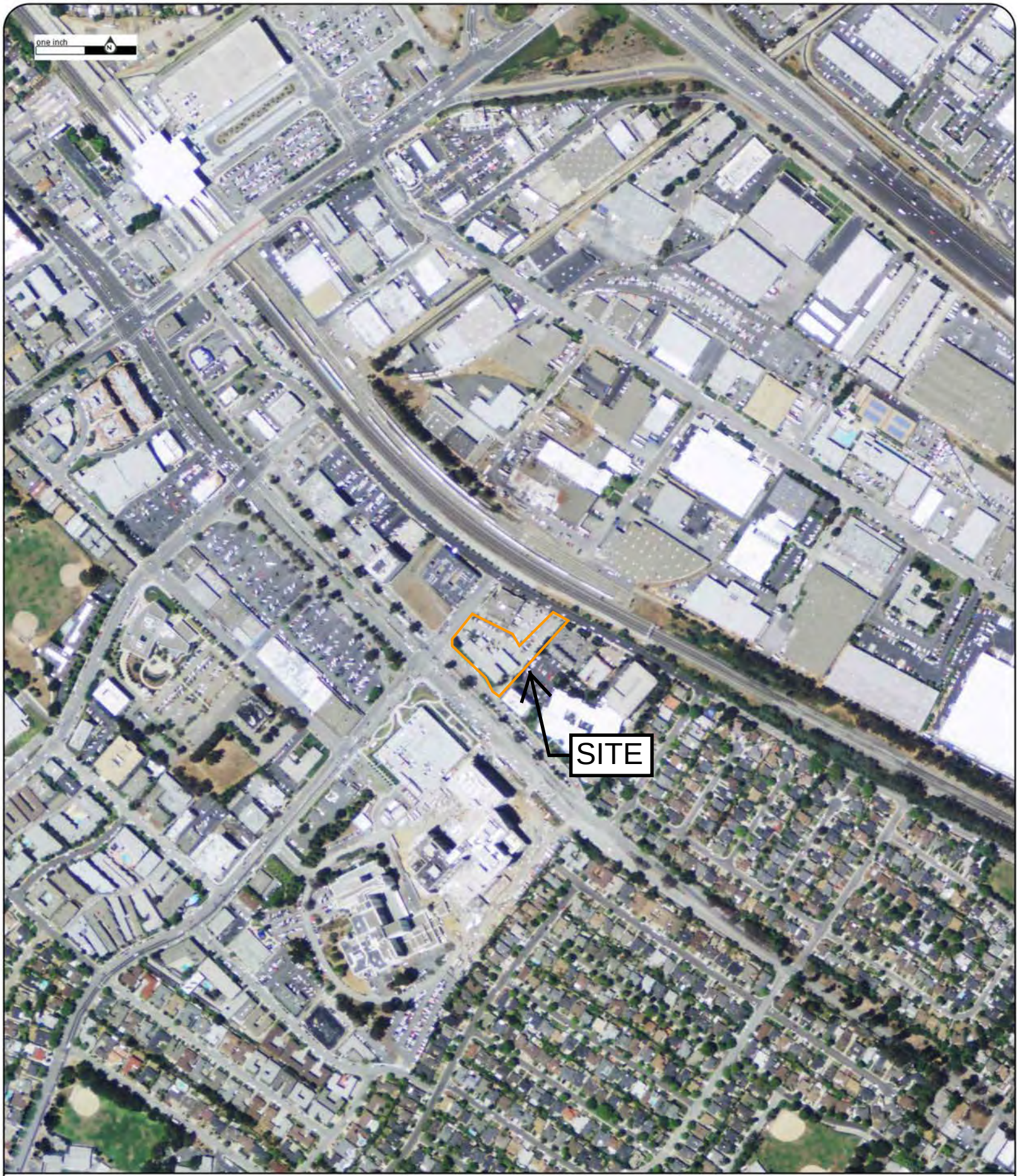


Year: 2006
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 1766 El Camino Real, Burlingame, CA
Approx Center: -122.38207711,37.5946242

Order No: 21060900937

ERIS

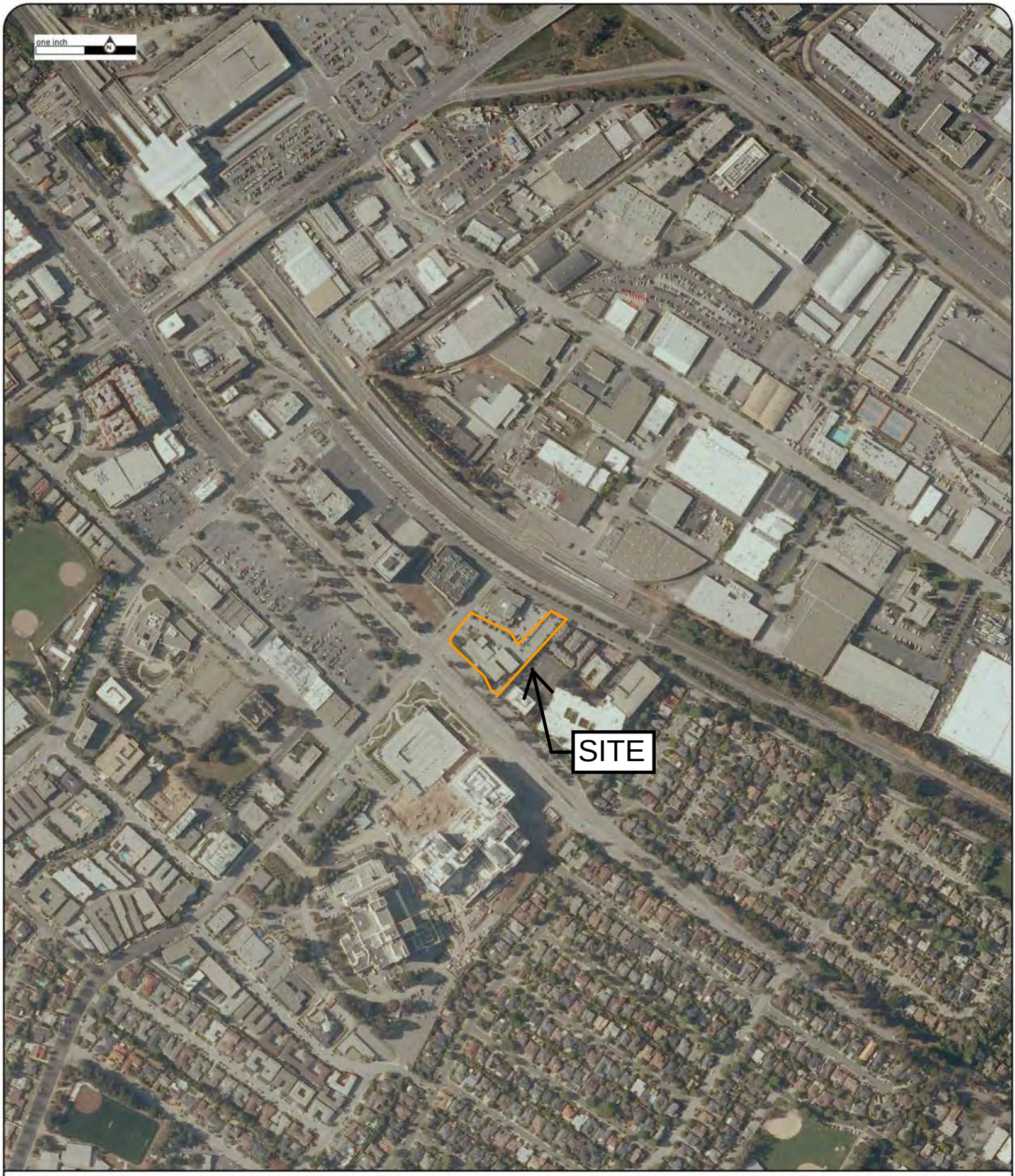


Year: 2009
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 1766 El Camino Real, Burlingame, CA
Approx Center: -122.38207711,37.5946242

Order No: 21060900937

ERIS

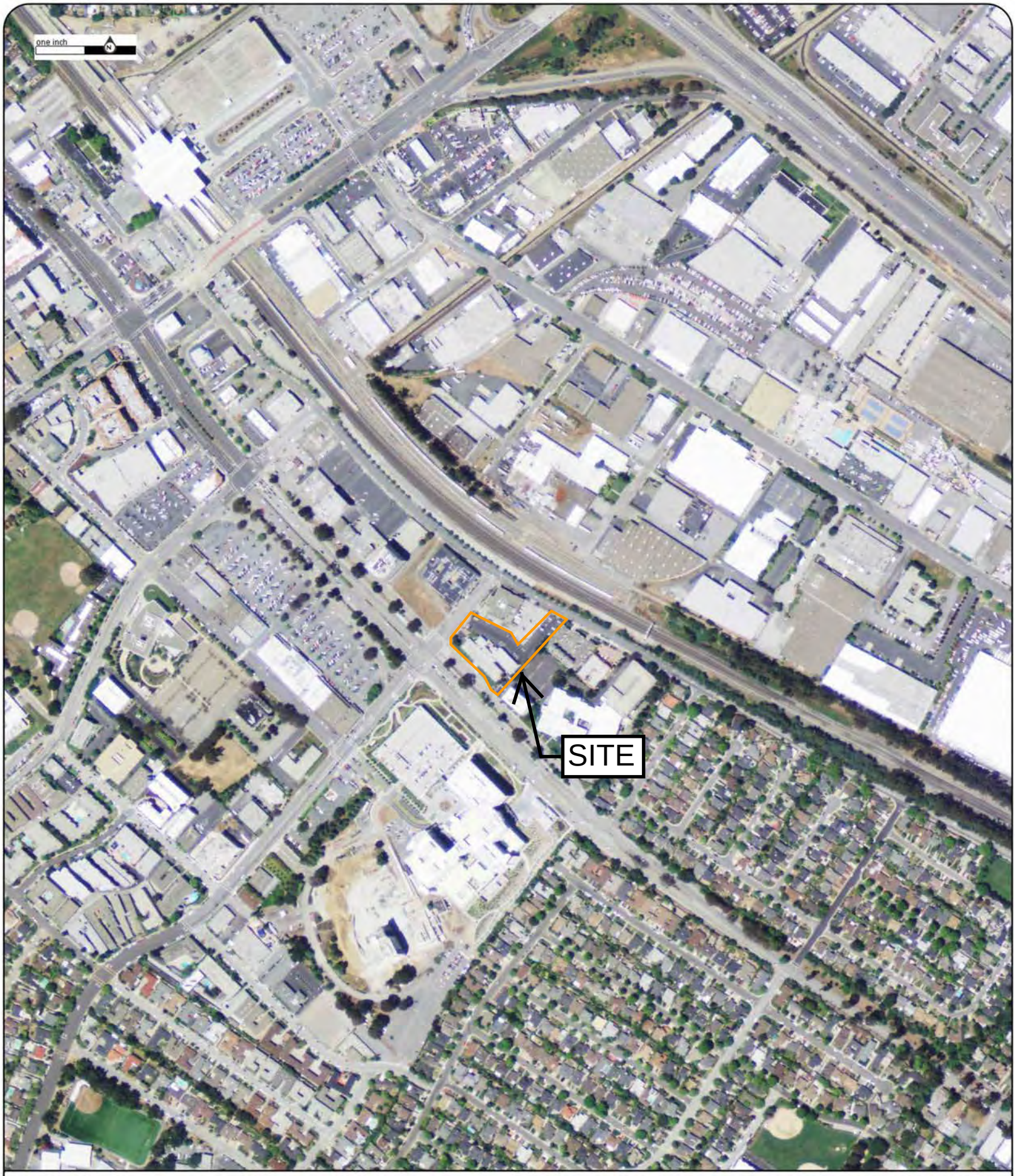


Year: 2010
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 1766 El Camino Real, Burlingame, CA
Approx Center: -122.38207711,37.5946242

Order No: 21060900937

ERIS

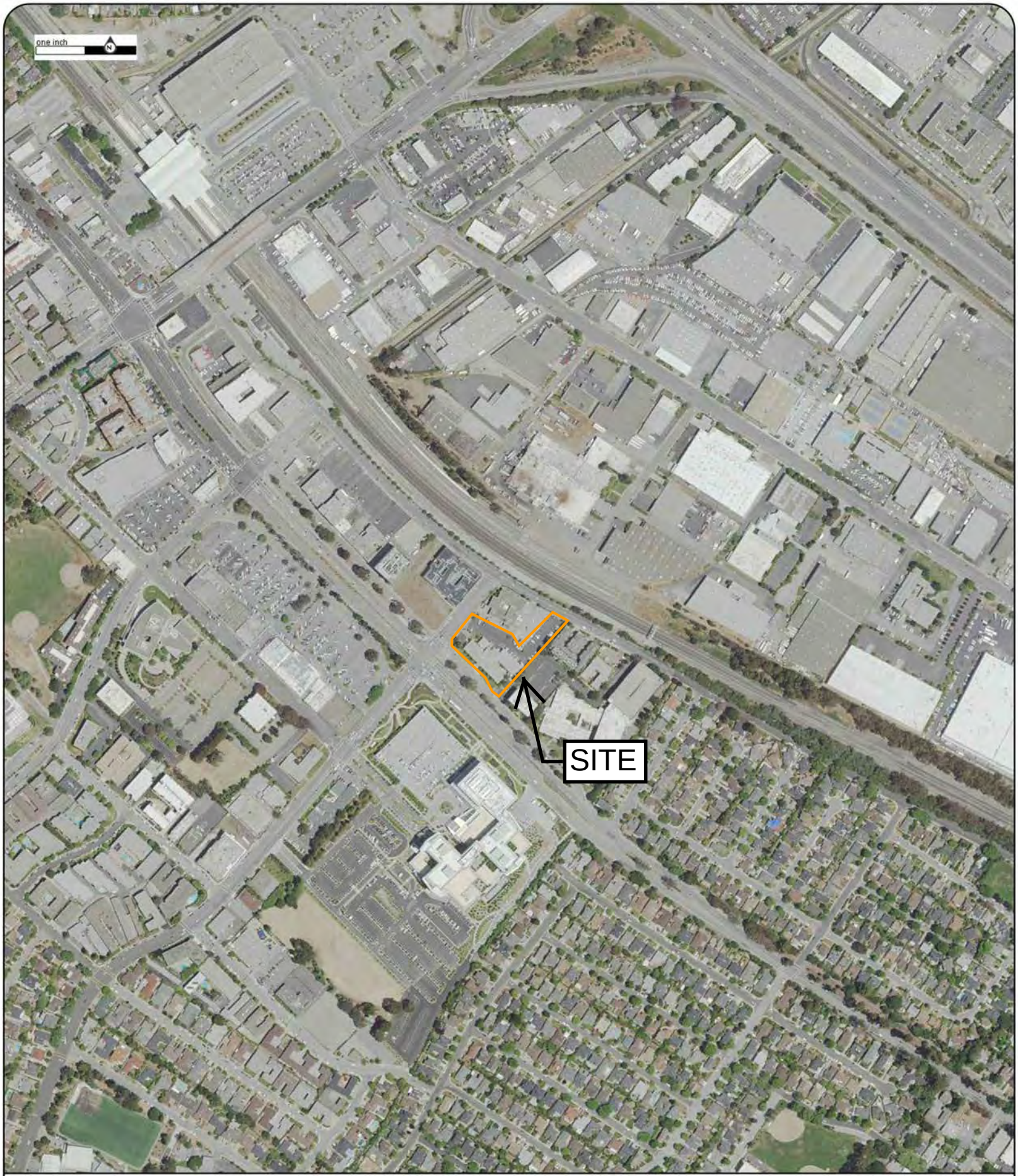


Year: 2012
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 1766 El Camino Real, Burlingame, CA
Approx Center: -122.38207711,37.5946242

Order No: 21060900937

ERIS

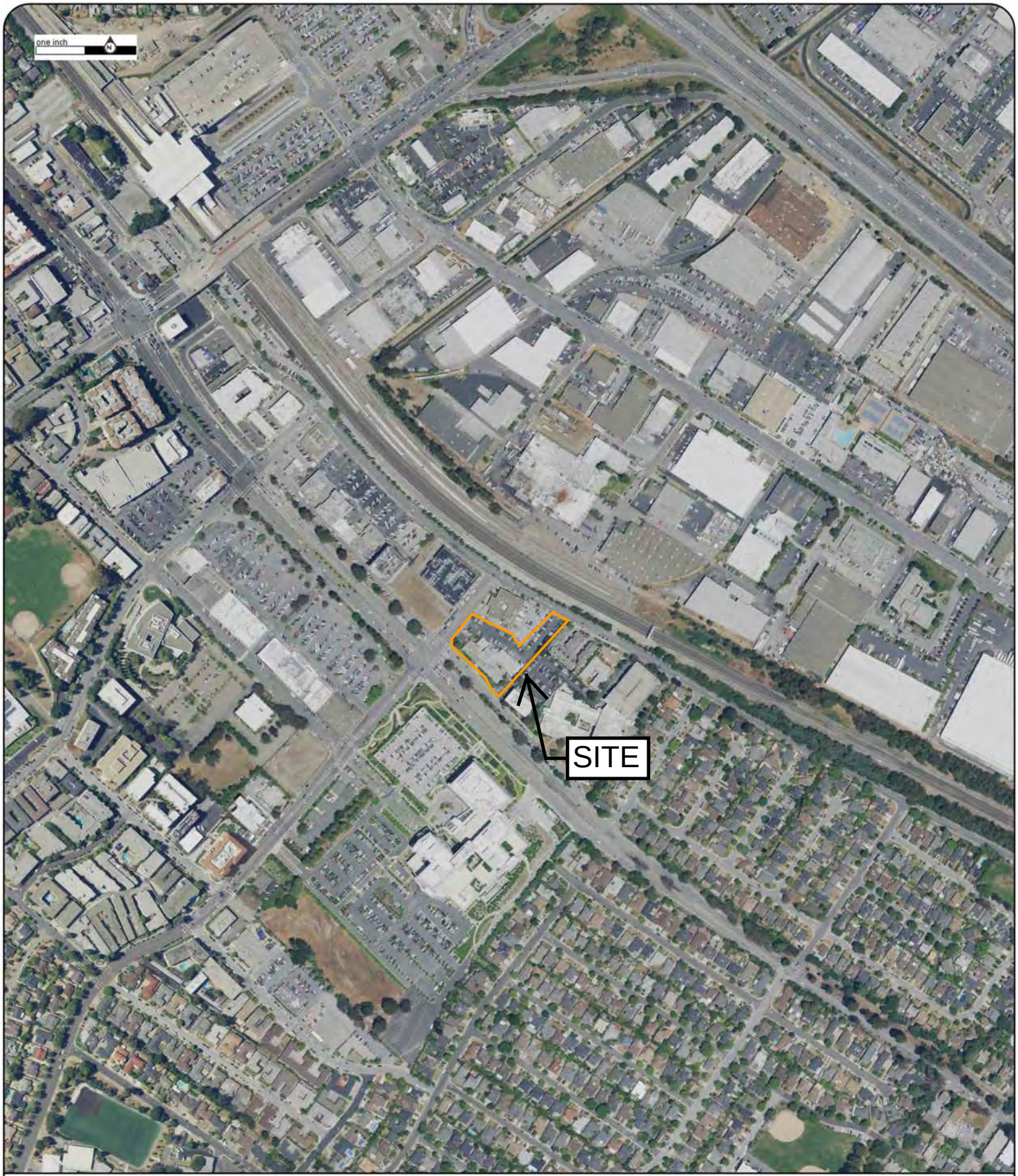


Year: 2014
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 1766 El Camino Real, Burlingame, CA
Approx Center: -122.38207711,37.5946242

Order No: 21060900937

ERIS

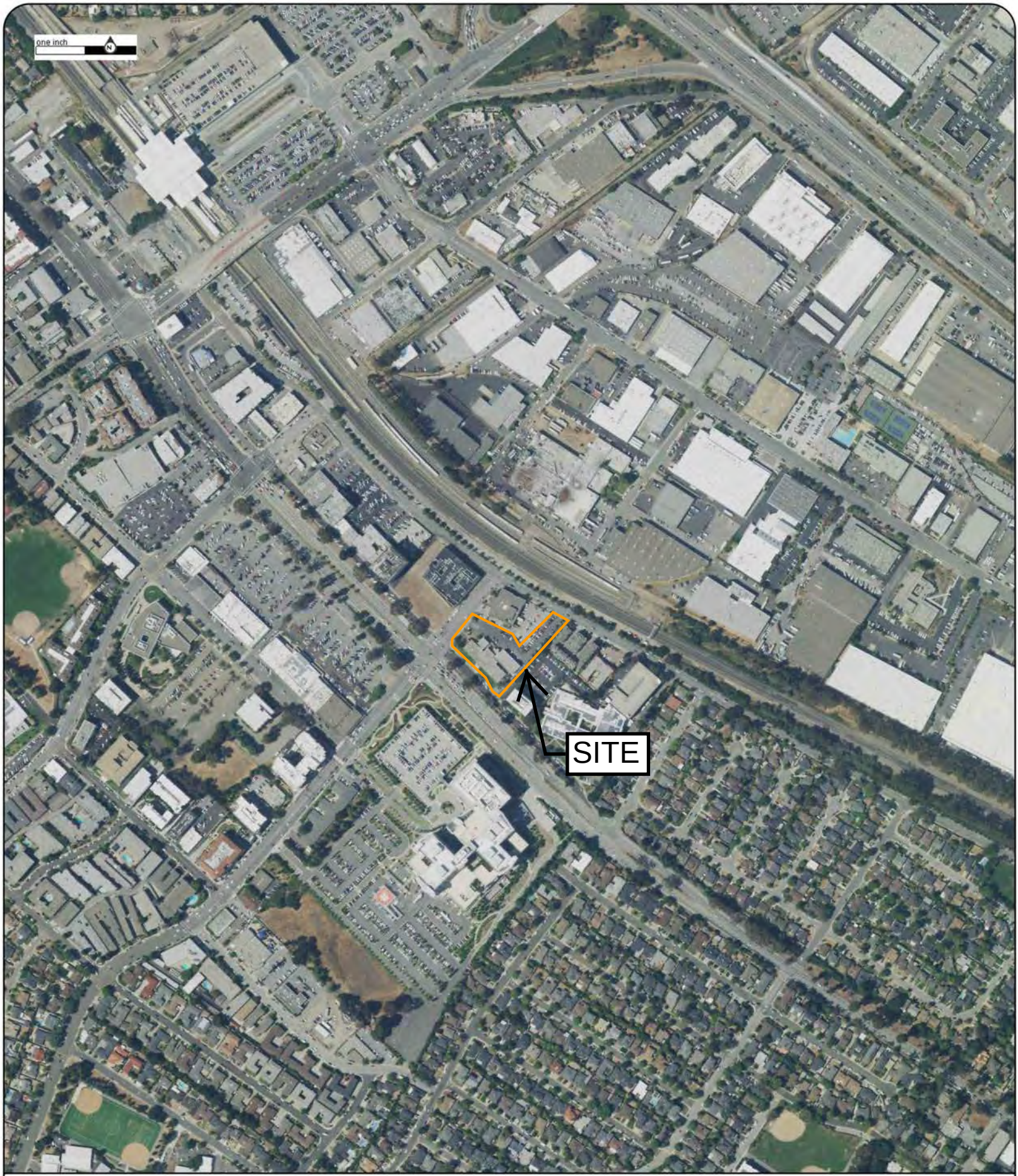


Year: 2016
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 1766 El Camino Real, Burlingame, CA
Approx Center: -122.38207711,37.5946242

Order No: 21060900937

ERIS

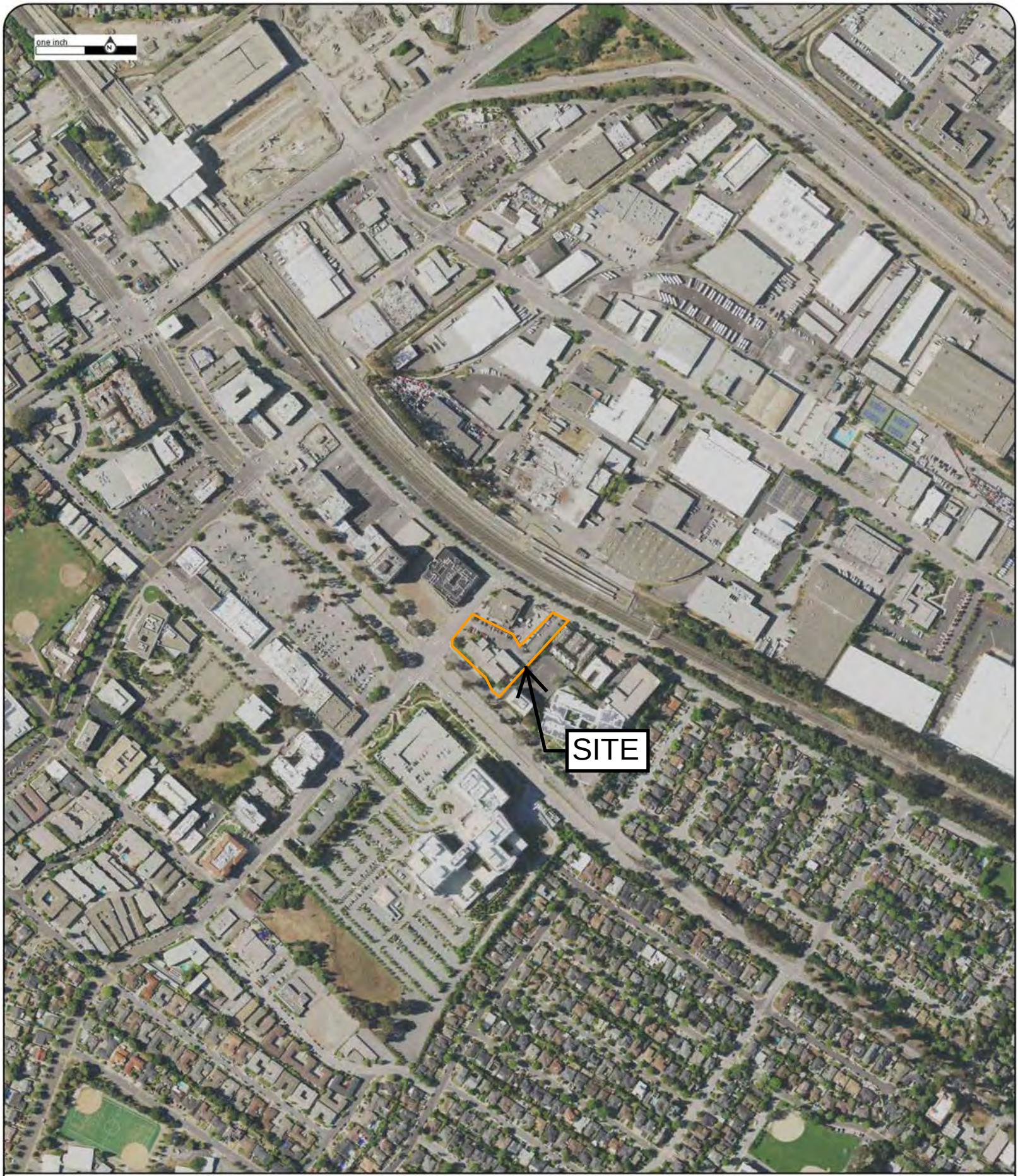


Year: 2018
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 1766 El Camino Real, Burlingame, CA
Approx Center: -122.38207711,37.5946242

Order No: 21060900937

ERIS



Year: 2020
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 1766 El Camino Real, Burlingame, CA
Approx Center: -122.38207711,37.5946242

Order No: 21060900937

ERIS

HISTORICAL DOCUMENTATION: CITY DIRECTORIES

CITY DIRECTORY

Project Property:	*Office Building* *1766 El Camino Real* *Burlingame, CA 94010*
Project No:	*575-1840*
Requested By:	*Intertek PSI*
Order No:	*21060900937*
Date Completed:	*June 11, 2021*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

June 11, 2021
RE: CITY DIRECTORY RESEARCH
Office Building
1766 El Camino Real Burlingame, CA

Thank you for contac ng ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse lis ng City Directory search to determine prior occupants of the subject site and adjacent proper es. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Lis ng Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either u lized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as mul ple digi zed directories. These do not claim to be a complete collec on of all reverse lis ng city directories produced.

ERIS has made every effort to provide accurate and complete informa on but shall not be held liable for missing, incomplete or inaccurate informa on. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are addi onal addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:
1600-1900 of El Camino Real
1000-1400 of Trousdale Drive

Search Results Summary

Date	Source	Comment
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2006	HAINES	
2001	HAINES	
1996	HAINES	
1991	HAINES	
1987	HAINES	
1982	HAINES	
1977	HAINES	
1970	PACIFIC TELEPHONE	
1963	POLKS	
1958	POLKS	
1949-50	COAST DIRECTORY CO	
1946-47	COAST DIRECTORY CO	
1942	COAST DIRECTORY CO	
1939	COAST DIRECTORY CO	
1936	COAST DIRECTORY CO	

381 total records. *Part 1 of 8*

1720 **AG LO EL CAMINO OWNER LLC**...*Nonclassified Establishments*
1720 **BLAS MICHELLE OD**...*Optometrists Od*
1720 **BLAS MICHELLE OD**...*Contact Lenses*
1720 **BOBLETT BENJAMIN F MD**...*Physicians & Surgeons*
1720 **BOBLETT BENJAMIN F MD**...*Medical & Surgical Svc Organizations*
1720 **BURLINGAME ORTHOPEDICS-SPORTS**...*Physicians & Surgeons*
1720 **CARNEY STEPHEN J MD**...*Medical & Surgical Svc Organizations*
1720 **CARNEY STEPHEN J MD**...*Physicians & Surgeons*
1720 **CARNEY STEPHEN J MD**...*Physicians & Surgeons*
1720 **CHANDRA ADITI MD**...*Physicians & Surgeons*
1720 **COOPER KIM L MD**...*Physicians & Surgeons*
1720 **DA VITA INC**...*Clinics*
1720 **DA VITA INC**...*Dialysis*
1720 **DA VITA INC**...*Dialysis*
1720 **DEBRA SHAPIRO INC**...*Physicians & Surgeons*
1720 **DEBRA SHAPIRO INC**...*Medical & Surgical Svc Organizations*
1720 **DUNNE MEGHAN O**...*Genetic Counseling*
1720 **ECRPA LLC**...*Misc Indstrl Equip & Supls Nec (whls)*
1720 **EMMOTT R CAMERON MD**...*Physicians & Surgeons*
1720 **FARID-MOAYER MEHRAN MD**...*Sleep Disorders-diagnostic/treatment*
1720 **FARID-MOAYER MEHRAN MD**...*Physicians & Surgeons*
1720 **GARVEN SUSAN**...*Midwives*
1720 **GOMEZ MICHELE A MD**...*Physicians & Surgeons*
1720 **HOME & HOPE**...*Federal Government Contractors*
1720 **HOME & HOPE**...*Social Service & Welfare Organizations*
1720 **HSIA MATTHEW C OD**...*Contact Lenses*
1720 **HSIA MATTHEW C OD**...*Optometrists Od*
1720 **JASMER ROBERT M MD**...*Physicians & Surgeons*
1720 **KLONOFF DAVID C MD**...*Physicians & Surgeons*
1720 **LIU VICTOR MD**...*Medical & Surgical Svc Organizations*
1720 **LIU VICTOR MD**...*Physicians & Surgeons*
1720 **MANDELL PETER J MD**...*Physicians & Surgeons*
1720 **MARSH LAURIE MD**...*Physicians & Surgeons*
1720 **MILLS PENINSULA HEALTH SVC**...*Medical Centers*
1720 **MILLS-PENINSULA OCCUPATIONAL**...*Nonclassified Establishments*
1720 **MILLS-PENINSULA OCCUPATIONAL**...*Health Services*
1720 **MPMG EXTENDED HOURS CLINIC**...*Physicians & Surgeons*
1720 **MPMG EXTENDED HOURS CLINIC**...*Medical & Surgical Svc Organizations*
1720 **NAIDUS ELLIOT MD**...*Physicians & Surgeons*
1720 **PARCA**...*Nonclassified Establishments*
1720 **PENINSULA OPTHALMOLOGY GROUP**...*Physicians & Surgeons*
1720 **PENINSULA OPTHALMOLOGY GROUP**...*Medical & Surgical Svc Organizations*
1720 **PULMONARY ASSOCIATES**...*Clinics*
1720 **RIBERA ERNEST F MD**...*Physicians & Surgeons*
1720 **SCHUBINER JEFFREY MD**...*Physicians & Surgeons*
1720 **SENIOR FOCUS**...*Alzheimers Education/referral/support*
1720 **SENIOR FOCUS**...*Associations*
1720 **SENIOR FOCUS**...*Ecommerce*
1720 **SENIOR FOCUS**...*Non-profit Organizations*
1720 **SKALNYI ALLA MD**...*Physicians & Surgeons*
1720 **STAFF RESOURCES INC**...*Employment Placement Agencies*
1720 **THINNERFUTURE**...*Nonclassified Establishments*
1720 **ZIVITZ KALI B MD**...*Physicians & Surgeons*

2020 EL CAMINO REAL
SOURCE: DIGITAL BUSINESS DIRECTORY

Part 2 of 8

1750 **1750 EL CAMINO REAL BLDG LP**...*Real Estate Management*
1750 **AQUINO, KATHERINE A OD**...*Optometrists Od*
1750 **BENDER, MICHAEL D MD**...*Physicians & Surgeons*
1750 **BET, CLAUDIO A MD**...*Medical & Surgical Svc Organizations*
1750 **BET, CLAUDIO A MD**...*Physicians & Surgeons*
1750 **BOHANNAN, WILLIAM B DDS**...*Medical & Surgical Svc Organizations*
1750 **BOHANNAN, WILLIAM B DDS**...*Dentists*
1750 **BOHANNAN, WILLIAM B DDS**...*Physicians & Surgeons*
1750 **BURLINGAME EYE ASSOC**...*Opticians*
1750 **BURLINGAME HEALTHCARE**...*Health Services*
1750 **ELLISTON, ROBERT R MD**...*Physicians & Surgeons*
1750 **ELLISTON, ROBERT R MD**...*Medical & Surgical Svc Organizations*
1750 **HAYNE, LEE R MD**...*Physicians & Surgeons*
1750 **KAY, DONALD MD**...*Medical & Surgical Svc Organizations*
1750 **KAY, DONALD MD**...*Physicians & Surgeons*
1750 **LAB CORP**...*Laboratories-research & Development*
1750 **LEVINE, AARON D MD**...*Physicians & Surgeons*
1750 **LUI, FRED Y MD**...*Physicians & Surgeons*
1750 **MEDICALINSIDER**...*Clinics*
1750 **OPTICAL 102**...*Physicians & Surgeons*
1750 **OPTICAL 102**...*Optical Goods-service & Repair*
1750 **PARENTS HELPING PARENTS**...*Social Services Nec*
1750 **PAVLOVA, MARIA**...*Dietitians*
1750 **PENINSULA DERMATOLOGY**...*Dermatologists*
1750 **PENINSULA PLASTIC SURG MED GRP**...*Physicians & Surgeons*
1750 **PENINSULA PLASTIC SURG MED GRP**...*Surgical Centers*
1750 **ROSENBERG, ANDREW G MD**...*Physicians & Surgeons*
1750 **ROSENFIELD, LORNE K MD**...*Medical & Surgical Svc Organizations*
1750 **ROSENFIELD, LORNE K MD**...*Physicians & Surgeons*
1750 **SAN MATEO PODIATRY**...*Podiatrists*
1750 **SEVENTEEN FIFTY MEDICAL CTR**...*Pharmacies*
1750 **SUGARMAN, DAVID MD**...*Physicians & Surgeons*
1750 **THEIN, JOCELYN CO MD**...*Physicians & Surgeons*
1750 **YU, HALDEN DDS**...*Dentists*
1750 **ZIGRANG, WILLIAM MD**...*Physicians & Surgeons*
1783 **24-HOUR CRISIS SVC**...*Crisis Intervention Service*
1783 **ANESTHESIA CARE ASSOC MED GRP**...*Physicians & Surgeons*
1783 **CARDIAC REHABILITATION**...*Rehabilitation Services*
1783 **CARDIAC REHABILITATION**...*Crisis Intervention Service*
1783 **DUNCAN, KEITH MD**...*Physicians & Surgeons*
1783 **FITNESS CENTER**...*Health Clubs Studios & Gymnasiums*
1783 **FOTRE, TERRY V DO**...*Physicians & Surgeons*
1783 **MASSA, LORRAINE MD**...*Physicians & Surgeons*
1783 **PENINSULA HOSPITAL**...*Grocerswholesale*
1783 **PENINSULA HOSPITAL**...*Pharmacies*
1783 **PENINSULA PATHOLOGY ASSOC**...*Physicians & Surgeons*
1783 **PENINSULA PHYSICAL THERAPY**...*Clinics*
1783 **PENINSULA PHYSICAL THERAPY**...*Health Services*
1791 **BLOOD CENTERS OF THE PACIFIC**...*Non-profit Organizations*
1801 **BBVA COMPASS**...*Banks*
1801 **BBVA COMPASS**...*Real Estate Loans*
1803 **A TAN FOR ALL SEASONS**...*Tanning Salons*

Part 3 of 8

1803 **ALL BRANDS VACUUM**...*Vacuum Cleaners-repairing & Parts*
1803 **ALL BRANDS VACUUM**...*Vacuum Cleaners-household-dealers*
1803 **SPICY FACTORY LLC**...*Restaurants*
1805 **ALTERATIONS TO GO**...*Alterations-clothing*
1805 **ROOBIK'S CUT**...*Beauty Salons*
1807 **D J CUSTOM JEWELRY**...*Jewelry Designers*
1807 **HAPPY DONUT**...*Doughnuts*
1807 **HAPPY DONUTS**...*Coffee Shops*
1809 **LITTLE LUCCA**...*Restaurants*
1809 **LITTLE LUCCA**...*Foodscarry Out*
1811 **CLASSIC CLEANERS**...*Cleaners*
1813 **ADVANCED MOBILE COMMUNICATIONS**...*Radio Communication Equip & Systems-whls*
1813 **BLEVINS, RONA AGT**...*Insurance*
1813 **FERRARI GARBAN, ANNA M**...*Marriage & Family Counselors*
1813 **FERRARI GARBAN, ANNA M**...*Hypnotists*
1813 **LEUNG, KAM M DC**...*Chiropractors Dc*
1813 **PORTMAN CONSTRUCTION**...*Property Maintenance*
1813 **PORTMAN CONSTRUCTION**...*Building Contractors*
1813 **RODRIGUEZ, LOUIS J CPA**...*Accountants*
1815 **BEAUTY ISLAND SKIN CARE**...*Beauty Salons*
1815 **BEAUTY ISLAND SKIN CARE**...*Health Spas*
1815 **BEAUTY ISLAND SKIN CARE**...*Beauty Salons*
1815 **BEAUTY ISLAND SKIN CARE**...*Skin Treatments*
1815 **FARMERS INSURANCE**...*Insurance*
1815 **MADAC**...*Billing Service*
1815 **S L BECKHEYER INSURANCE**...*Insurance*
1819 **AMERICAN BULL BAR GRILL**...*Restaurants*
1819 **AMERICAN BULL BAR & GRILL**...*Bars*
1819 **AMERICAN BULL BAR & GRILL**...*Cocktail Lounges*
1825 **LUNARDI FOODS**...*Bakers-retail*
1825 **LUNARDI FOODS**...*Wedding Bakeries*
1825 **LUNARDI'S MARKETS**...*Convenience Stores*
1825 **LUNARDI'S MARKETS**...*Grocers-retail*
1828 **BEG, SUMBUL N MD**...*Physicians & Surgeons*
1828 **BEG, SUMBUL N MD**...*Physicians & Surgeons*
1828 **BURLINGAME PODIATRY GROUP INC**...*Physicians & Surgeons*
1828 **BURLINGAME PODIATRY GROUP INC**...*Podiatrists*
1828 **BURLINGAME PODIATRY GROUP INC**...*Sports Medicine & Injuries*
1828 **BURLINGAME THERAPEUTIC ASSOC**...*Pain Control*
1828 **BURLINGAME THERAPEUTIC ASSOC**...*Physical Therapists*
1828 **CHAN, MICHAEL K MD**...*Physicians & Surgeons*
1828 **CHAO, LAWRENCE MD**...*Physicians & Surgeons*
1828 **CHAO, LAWRENCE MD**...*Physicians & Surgeons*
1828 **CO, CHI K MD**...*Physicians & Surgeons*
1828 **CONNER, BARBARA L MD**...*Physicians & Surgeons*
1828 **DARLING, RICHARD J MD**...*Physicians & Surgeons*
1828 **DIAZ MEDICAL GROUP**...*Medical & Surgical Svc Organizations*
1828 **DIAZ MEDICAL GROUP**...*Physicians & Surgeons*
1828 **DOLLAR TRAVEL INC**...*Travel Agencies & Bureaus*
1828 **DR ZHOU OB-GYN PRO CORP**...*Physicians & Surgeons*
1828 **EL CAMINO HEARING CTR**...*Hearing Aids*
1828 **EVA KWONG ACUPUNCTURE CLINIC**...*Health Services*

2020 EL CAMINO REAL
SOURCE: DIGITAL BUSINESS DIRECTORY

Part 4 of 8

1828 **EVA KWONG ACUPUNCTURE CLINIC**...*Offices Of All Other Misc Health Practitioners*
1828 **FONG, SHIRLEY OD**...*Optometrists Od*
1828 **FONG, SHIRLEY OD**...*Contact Lenses*
1828 **GIROLAMI, MICHAEL H MD**...*Physicians & Surgeons*
1828 **GOLODRIGA, LINNA DDS**...*Dentists*
1828 **HO, WILLIAM C K DDS**...*Dentists*
1828 **JAIN, RASHMI MD**...*Physicians & Surgeons*
1828 **JNZ MEDICAL GROUP INC**...*Acupuncture*
1828 **KETCHAM, JUDY HWANG**...*Nurses-practitioners*
1828 **KIRSCHNER OPHTHALMOLOGY**...*Laser Vision Correction*
1828 **KIRSCHNER, BRUCE I MD**...*Physicians & Surgeons*
1828 **KIRSCHNER, BRUCE I MD**...*Medical & Surgical Svc Organizations*
1828 **KIRSCHNER, BRUCE MD**...*Optical Goods-retail*
1828 **LAB CORP**...*Physicians & Surgeons*
1828 **LEE, SIMON MD**...*Resume Service*
1828 **LEE, SIMON MD**...*Physicians & Surgeons*
1828 **LIN, JERRY H DDS**...*Dentists*
1828 **LING, JIE MD**...*Medical & Surgical Svc Organizations*
1828 **LING, JIE MD**...*Offices Of Physicians (exc Mental Health Specs)*
1828 **LING, JIE MD**...*Physicians & Surgeons*
1828 **LOW, HENRY MD**...*Physicians & Surgeons*
1828 **LOW, HENRY MD**...*Clinics*
1828 **LUK, HOENIE W**...*Offices Of All Other Misc Health Practitioners*
1828 **LUK, HOENIE W**...*Health Services*
1828 **MADANAT, NABEEL MD**...*Medical & Surgical Svc Organizations*
1828 **MADANAT, NABEEL MD**...*Physicians & Surgeons*
1828 **MAKAREWYCZ, BOHDAN A MD**...*Physicians & Surgeons*
1828 **MAKAREWYCZ, BOHDAN A MD**...*Otorhinolaryngology Ear Nose Physician*
1828 **MELAMUD UROLOGY GROUP**...*Physicians & Surgeons*
1828 **MELAMUD UROLOGY GROUP**...*Physicians & Surgeons*
1828 **MELAMUD, AITAN MD**...*Physicians & Surgeons*
1828 **MELAMUD, ORI MD**...*Physicians & Surgeons*
1828 **MILLER, DOUGLAS H DDS**...*Dentists*
1828 **MILLIKEN, SCOTT W DDS**...*Dentists*
1828 **MONAZZA'S PHARMACY**...*Grocerswholesale*
1828 **MONAZZA'S PHARMACY**...*Pharmacies*
1828 **NADELL, ANDREW MD**...*Physicians & Surgeons*
1828 **NOBLE BITES CAFE**...*Restaurants*
1828 **PENINSULA ALLERGY ASSOC**...*Medical & Surgical Svc Organizations*
1828 **PENINSULA ALLERGY ASSOC**...*Physicians & Surgeons*
1828 **PENINSULA SLEEP CTR**...*Sleep Disorders-diagnostic/treatment*
1828 **PENINSULA SLEEP CTR**...*Physicians & Surgeons*
1828 **PENINSULA SLEEP CTR**...*Medical & Surgical Svc Organizations*
1828 **PENINSULA WOMEN'S HEALTH**...*Midwives*
1828 **PENINSULA WOMEN'S HEALTH**...*Birth Centers*
1828 **PHYSICIAN'S YOUTHFUL RSLTNS'**...*Medical & Surgical Svc Organizations*
1828 **PHYSICIAN'S YOUTHFUL RSLTNS'**...*Physicians & Surgeons*
1828 **ROOST, KENNETH T MD**...*Physicians & Surgeons*
1828 **SANDOVAL, ROSELYN RN**...*Nurses & Nurses' Registries*
1828 **SCIBAC INC**...*Biotechnology Products & Services*
1828 **SSA HAI 1828 EL COMINO LLC**...*Nonclassified Establishments*
1828 **SSA REAL ESTATE MNMGMNT**...*Real Estate*

Part 5 of 8

1828 **U N Z MEDICAL GROUP INC**...*Acupuncture*
1828 **WANG, CHIEN-CHUNG**...*Health Services*
1828 **WANG, CHIEN-CHUNG**...*Offices Of All Other Misc Health Practitioners*
1828 **WATTERS, THOMAS A MD**...*Physicians & Surgeons*
1828 **YANG, FEIFEI**...*Nurses-practitioners*
1828 **YOUTHFUL RESOLUTIONS**...*Nonclassified Establishments*
1828 **ZHAO, WENGUANG MD**...*Physicians & Surgeons*
1828 **ZHOU, VINCENT S**...*Acupuncture*
1828 **ZHOU, VINCENT S MD**...*Physicians & Surgeons*
1838 **ACUHEALTH**...*Dentists*
1838 **ACUHEALTH**...*Clinics*
1838 **CHANG, JACQUELYN MD**...*Physicians & Surgeons*
1838 **DEBELLIS, MICHAEL H**...*Psychologists*
1838 **DUDA, JOHN**...*Marriage & Family Counselors*
1838 **EXPRESS AIR FREIGHT**...*Air Cargo Service*
1838 **EXPRESS AIR FREIGHT**...*Federal Government Contractors*
1838 **FACE USA INC**...*Electronic Equipment & Supplies-whls*
1838 **GLOBALTARGET.COM INC**...*Travel Agencies & Bureaus*
1838 **GOLD PEGASUS**...*Advertising-promotional*
1838 **GOLDEN STATE BLDG MNTNC INC**...*Janitor Service*
1838 **GOODWIN, ROBERT A MD**...*Physicians & Surgeons*
1838 **HOWARD, ROB**...*Dentists*
1838 **HOWARD, ROB**...*Clinics*
1838 **HUDDLESTON ADVANCED CAREGIVERS**...*Home Health Service*
1838 **HUDDLESTON CARE LLC**...*Nonclassified Establishments*
1838 **HUSACK PAULA JO LMFT**...*Counseling Services*
1838 **JONAHFUN LLC**...*Nonclassified Establishments*
1838 **KANEN, NANI MD**...*Medical & Surgical Svc Organizations*
1838 **KANEN, NANI MD**...*Physicians & Surgeons*
1838 **LEMI MEDICAL**...*Physicians & Surgeons*
1838 **LEUNG, ALEX PHD**...*Psychologists*
1838 **LEVINSON, MICHAEL U MD**...*Physicians & Surgeons*
1838 **LEVINSON, MICHAEL U MD**...*Physicians & Surgeons*
1838 **LODY CURA**...*Nonclassified Establishments*
1838 **MARQUEZ HOWARD, DIANE**...*Marriage & Family Counselors*
1838 **MARY WONG'S INSURANCE SVC**...*Insurance*
1838 **MCMORROW, CHRISTINA R**...*Marriage & Family Counselors*
1838 **N T COMPUTING INC**...*Computer & Equipment Dealers*
1838 **N T COMPUTING INC**...*Computers-system Designers & Consultants*
1838 **SVENSSON, TRAVIS K MD**...*Physicians & Surgeons*
1838 **SVENSSON, TRAVIS K MD**...*Psychologists*
1838 **WATER WELL PLUS**...*Water & Sewer Line & Related Structures Constr*
1840 **TSENG, MICHAEL S DDS**...*Dentists*
1841 **RESTAURANT BAY WATCH**...*Foodscarry Out*
1841 **RESTAURANT BAY WATCH**...*Restaurants*
1842 **ISHI LIMOUSINE INC**...*Limousine Service*
1842 **ISHI LIMOUSINE INC**...*Buescharter & Rental*
1842 **VALLEY GRAPHICS PRINTING INC**...*Graphic Designers*
1843 **SEE'S CANDIES CHOCOLATE SHOP**...*Candy & Confectionery-retail*
1845 **NEAL'S COFFEE SHOP**...*Restaurants*
1845 **NEAL'S COFFEE SHOP**...*Foodscarry Out*
1847 **AMTEL LLC**...*Nonclassified Establishments*

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1847 **AMTEL LLC**...*Cellular Telephones (services)*
1847 **T-MOBILE**...*Cellular Telephones (services)*
1850 **BAY AREA VEIN & VASCULAR CTR**...*Physicians & Surgeons*
1850 **PATEL, NIMA B PA**...*Physicians Assistants*
1850 **PATEL, NIMA B PA**...*Physicians & Surgeons*
1851 **5 A'S CAFE**...*Foodscarry Out*
1851 **5 A'S CAFE**...*Restaurants*
1857 **SUBWAY**...*Restaurants*
1857 **SUBWAY**...*Foodscarry Out*
1857 **SUBWAY**...*Delicatessens*
1859 **LEFTY'S SPORTS CARD STORE**...*Baseball Sports Cards & Memorabilia*
1860 **AERO PHYSICAL THERAPY SPORTS**...*Clinics*
1860 **AERO PHYSICAL THRPY & SPORTS**...*Physical Therapists*
1860 **ALLARD KATHY PHD**...*Nonclassified Establishments*
1860 **ALLARD, KATHY PHD**...*Marriage & Family Counselors*
1860 **BANKERS PREFERRED**...*Loans*
1860 **BANKERS PREFERRED**...*Real Estate Credit*
1860 **BATLIN, ANDRA E MD**...*Physicians & Surgeons*
1860 **BATLIN, ANDRA E MD**...*Medical & Surgical Svc Organizations*
1860 **BAY AREA DIGESTIVE HEALTH MED**...*Physicians & Surgeons*
1860 **BODY SYMMETRY**...*Yoga Instruction*
1860 **CHAU WILLIAM**...*Health Services*
1860 **CHAU, WILLIAM DC**...*Chiropractors Dc*
1860 **CHAVEZ MANAGEMENT GROUP**...*Construction Companies*
1860 **CHAVEZ MANAGEMENT GROUP**...*Federal Government Contractors*
1860 **CHAVEZ MANAGEMENT GROUP**...*Real Estate Management*
1860 **CHAVEZ MANAGEMENT GROUP**...*Real Estate*
1860 **CHEW, JENNIFER H DDS**...*Dentists*
1860 **CHIN, HOA**...*Insurance*
1860 **CHIN, STEFAN J MD**...*Physicians & Surgeons*
1860 **CRISIS CENTER**...*Government Offices-county*
1860 **DR ALEX LAKOWSKY**...*Medical Centers*
1860 **DR ALEX LAKOWSKY**...*Hotels & Motels*
1860 **ELM ADVISORS**...*Investment Management*
1860 **EMILY R WILDMAN PSY D LLC**...*Nonclassified Establishments*
1860 **EMILY R WILDMAN PSY D LLC**...*Psychologists*
1860 **EXAM ONE**...*Hospitals*
1860 **EXAM ONE**...*Insurance-inspection & Audits*
1860 **EXAM ONE**...*Laboratories-medical*
1860 **EXAM ONE**...*Insurance-inspection & Audits*
1860 **FINONES, HANNEKE R DDS**...*Dentists*
1860 **GLATT, WILLIAM MD**...*Physicians & Surgeons*
1860 **HEALTH DIAGNOSTICS**...*Diagnostic Imaging Centers*
1860 **HEALTH DIAGNOSTICS**...*Physicians & Surgeons*
1860 **HONAKER, JASON**...*Attorneys*
1860 **KAUFMAN, EMILY**...*Psychologists*
1860 **LAKOWSKY, ALEXANDER MD**...*Physicians & Surgeons*
1860 **LIEBERMAN, MARC**...*Optometrists Od-therapy Visual Training*
1860 **LIEBERMAN, MARC**...*Ecommerce*
1860 **LIEBERMAN, MARC MD**...*Physicians & Surgeons*
1860 **LIEBERMAN, MARC MD**...*Medical & Surgical Svc Organizations*
1860 **LORIS RESOURCES**...*Consultant Brokers*

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1860 **MACSON, LEE OD**...*Optometrists Od*
1860 **MEKHTEYS, MASHA IGOR DDS**...*Dentists*
1860 **MICHAEL HAIGH**...*Real Estate Loans*
1860 **MIXBERRY MEDIA INC**...*Nonclassified Establishments*
1860 **NEST DENTAL**...*Dentists*
1860 **NORRIS, MICHAEL S MD**...*Physicians & Surgeons*
1860 **NOVALES, SUSAN M NP**...*Nurses-practitioners*
1860 **NOVALES, SUSAN M NP**...*Nurses-practitioners*
1860 **PALESTINE DAY**...*Nonclassified Establishments*
1860 **PETER PAUL DENTAL LABORATORY**...*Laboratories-dental*
1860 **PHIL CAULFIELD-LOAN OFFICER**...*Loans*
1860 **PHYSIOTHERAPY ASSOCIATES**...*Physical Therapists*
1860 **QUEUE PAYROLL INC**...*Payroll Preparation Service*
1860 **RAPE TRAUMA SVC**...*Services Nec*
1860 **RAPE TRAUMA SVC OF SAN MATEO**...*Crisis Intervention Service*
1860 **S B FINANCIAL SVC**...*Financial Advisory Services*
1860 **SAN MATEO RAPE CRISIS SVC**...*Federal Government Contractors*
1860 **SAN MATEO RAPE CRISIS SVC**...*Government Offices-county*
1860 **SCHOLL, MARCELLA S**...*Physical Therapists*
1860 **SCHOLL, MARCELLA S**...*Exercise & Physical Fitness Programs*
1860 **STRAIN, ANN PA**...*Physicians & Surgeons*
1860 **STRAIN, ANN PA**...*Physicians Assistants*
1860 **TANG, JEREMY LEE**...*Physical Therapists*
1860 **TRAN, JENNIFER**...*Nurses-practitioners*
1860 **UNITED HEALTH CARE-CCAE**...*Health Services*
1860 **UNITED HEALTH CREDIT UNION**...*Credit Unions*
1860 **UNITED HEALTH CREDIT UNION**...*Federally Chartered Credit Unions*
1860 **WEISS, RICHARD PHD**...*Psychologists*
1863 **BEING YOGA**...*Yoga Instruction*
1865 **STARBUCKS**...*Espresso & Espresso Bars*
1865 **STARBUCKS**...*Restaurants*
1865 **STARBUCKS**...*Coffee Shops*
1865 **STARBUCKS**...*Foodscarry Out*
1870 **AMBUS, PEGGY DDS**...*Dentists*
1870 **DREAMQUEST HOLIDAYS LLC**...*Nonclassified Establishments*
1870 **FARMERS INSURANCE**...*Insurance*
1870 **I EXPRESS TRAVEL**...*Travel Consultants*
1870 **LAW OFFICES-GEORGE EVLESHIN**...*Attorneys*
1870 **PENINSULA CHIROPRACTIC CTR**...*Chiropractors Dc*
1870 **PREFERSOURCE**...*Massage Therapists*
1870 **PREFERSOURCE**...*Fishing Tackledealers*
1870 **PREFERSOURCE**...*Importers (whls)*
1870 **PREFERSOURCE**...*Chiropractors Dc*
1870 **PRIME DEVELOPMENT**...*Real Estate Management*
1870 **PRIME PACIFIC GLOBAL MGMT CORP**...*Real Estate Management*
1870 **PRIME PACIFIC GLOBAL MGMT CORP**...*Real Estate*
1870 **PRIME VISA IMMIGRATION**...*Real Estate Management*
1870 **TEAMWORK TRAVEL SVC**...*Travel Agencies & Bureaus*
1870 **TOWN COUNTRY INSURANCE SVC**...*Insurance*
1871 **ALIAMUS, MELITA**...*Pharmacists*
1871 **CVS HEARING CTR**...*Hearing Aids*
1871 **LIU, YATMING**...*Pharmacists*

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1871 **MADISON, ARIELLE**...*Pharmacists*
1871 **MINUTE CLINIC**...*Clinics*
1871 **NARAYAN, AMI**...*Nurses-practitioners*
1871 **OTA, GREGORY**...*Pharmacists*
1871 **SHTIVELMAN, SVETLANA**...*Pharmacists*
1871 **SISTO, CHRISTINA M**...*Nurses-practitioners*
1871 **TARUC, KRISTEN**...*Nurses-practitioners*
1876 **BURLINGAME 76**...*Service Stations-gasoline & Oil*
1876 **BURLINGAME 76**...*Gasoline & Oil Bulk Stations (whls)*
1876 **BURLINGAME SMOG CHECK**...*Automobile Repairing & Service*
1876 **PRO-SMOGS**...*Automobile Smog Control Inspections*
1881 **MIYAMOTO, SANDRA J OD**...*Optometrists Od*
1883 **HOLIDAY CLEANERS OF AMERICA**...*Cleaners*
1887 **UNION BANK**...*Banks*
1887 **UNION BANK**...*Real Estate Loans*
1887 **UNION BANK**...*Diagnostic Imaging Centers*

1100 **BURLINGAME LONG TERM CARE**...*Retirement Planning Services*
1100 **BURLINGAME LONG TERM CARE**...*Retirement Communities & Homes*
1100 **BURLINGAME LONG TERM CARE**...*Retirement Communities & Homes*
1100 **BURLINGAME LTC WIFI**...*Health Care Instruction*
1111 **BURLINGAME CITY OFC**...*Government Offices-city Village & Twp*
1111 **BURLINGAME POLICE DEPT**...*State Governmenttransportation Programs*
1111 **BURLINGAME POLICE DEPT**...*Police Departments*

295 total records. *Part 1 of 6*

1720 **A BURLINGAME GARAGE DOORS**...*Doors-garage*
1720 **BENNER ROBERT B MD**...*Physicians & Surgeons*
1720 **BOBLETT BENJAMIN F MD**...*Physicians & Surgeons*
1720 **CARDVAS ASSOCIATES-PENINSULA**...*Nonclassified Establishments*
1720 **CHANDRA ADITI MD**...*Physicians & Surgeons*
1720 **COOPER KIM L MD**...*Physicians & Surgeons*
1720 **DA VITA INC**...*Dialysis*
1720 **DA VITA INC**...*Dialysis*
1720 **EMMOTT R CAMERON MD**...*Physicians & Surgeons*
1720 **GARVEN SUSAN**...*Midwives*
1720 **GOMEZ MICHELE A MD**...*Physicians & Surgeons*
1720 **HOME & HOPE**...*Social Service & Welfare Organizations*
1720 **INTERFAITH HOSPITALITY NETWORK**...*Social Service & Welfare Organizations*
1720 **JASMER ROBERT M MD**...*Physicians & Surgeons*
1720 **KLONOFF DAVID C MD**...*Physicians & Surgeons*
1720 **LIU VICTOR MD**...*Physicians & Surgeons*
1720 **LIU VICTOR MD**...*Physicians & Surgeons*
1720 **MARSH LAURIE MD**...*Physicians & Surgeons*
1720 **MILLS-PENINSULA HEALTH SVC**...*Physicians & Surgeons*
1720 **MILLS-PENINSULA HEALTH SVC**...*Physicians & Surgeons*
1720 **MILLS-PENINSULA HEALTH SVC**...*Laboratories-medical*
1720 **MILLS-PENINSULA SENIOR FOCUS**...*Business Associations*
1720 **MPMG EXTENDED HOURS CLINIC**...*Physicians & Surgeons*
1720 **PARMAN KORTNEY NP**...*Nurses-practitioners*
1720 **PENINSULA OPTHALMOLOGY GROUP**...*Physicians & Surgeons*
1720 **PULMONARY ASSOCIATES**...*Clinics*
1720 **PULMONARY ASSOCIATES**...*Physicians & Surgeons*
1720 **SCHUBINER JEFFREY MD**...*Physicians & Surgeons*
1720 **SENIOR FOCUS**...*Alzheimers Education/referral/support*
1720 **SENIOR FOCUS**...*Non-profit Organizations*
1720 **SINHA DEEPTI MD**...*Physicians & Surgeons*
1720 **SKALNYI ALLA MD**...*Physicians & Surgeons*
1720 **STAFF RESOURCES INC**...*Employment Placement Agencies*
1720 **VICTOR LIU INC**...*Physicians & Surgeons*
1750 **1750 EL CAMINO REAL BLDG LP**...*Real Estate Management*
1750 **AQUINO KATHERINE A OD**...*Optometrists Od*
1750 **BENDER MICHAEL D MD**...*Physicians & Surgeons*
1750 **BET CLAUDIO A MD**...*Physicians & Surgeons*
1750 **BOHANNAN WILLIAM B DDS**...*Dentists*
1750 **CLAUDIO A BET INC**...*Physicians & Surgeons*
1750 **DAVIDS AUTO GLASS**...*Automobile Glass-service & Installation*
1750 **HAYNE LEE R MD**...*Physicians & Surgeons*
1750 **INSTITUTE OF PHYSICAL REHAB**...*Physical Therapists*
1750 **KIM LAWRENCE Y MD**...*Physicians & Surgeons*
1750 **LAB CORP**...*Laboratories-research & Development*
1750 **LEVINE AARON D MD**...*Physicians & Surgeons*
1750 **LUI FRED Y MD**...*Physicians & Surgeons*
1750 **MEDICALINSIDER**...*Clinics*
1750 **OPTICAL 102**...*Physicians & Surgeons*
1750 **OPTICAL 102**...*Optical Goods-service & Repair*
1750 **PENINSULA PLASTIC SURG MED GRP**...*Surgical Centers*
1750 **PENINSULA PLASTIC SURG MED GRP**...*Surgical Centers*
1750 **PENINSULA PLASTIC SURGERY MED**...*Physicians & Surgeons*

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1750 **ROSENBERG, ANDREW G MD**...*Physicians & Surgeons*
1750 **ROSENFIELD, LORNE K MD**...*Physicians & Surgeons*
1750 **SANJORJO, JOSEPHUS L MD**...*Physicians & Surgeons*
1750 **SANJORJO, JOSEPHUS-IA MD**...*Physicians & Surgeons*
1750 **SEVENTEEN FIFTY MEDICAL CTR**...*Pharmacies*
1750 **STD TESTING BURLINGAME**...*Laboratories-testing*
1750 **STD TESTING BURLINGAME**...*Testing Apparatus-wholesale*
1750 **SUGARMAN, DAVID MD**...*Physicians & Surgeons*
1750 **THEIN, JOCELYN CO MD**...*Physicians & Surgeons*
1750 **YU, HALDEN DDS**...*Dentists*
1750 **ZIGRANG, WILLIAM D**...*Resume Service*
1750 **ZIGRANG, WILLIAM MD**...*Physicians & Surgeons*
1783 **24-HOUR CRISIS SVC**...*Crisis Intervention Service*
1783 **CARDIAC REHABILITATION**...*Rehabilitation Services*
1783 **DUNCAN, KEITH MD**...*Physicians & Surgeons*
1783 **DURISETI, RAM MD**...*Physicians & Surgeons*
1783 **FITNESS CENTER**...*Health Clubs Studios & Gymnasiums*
1783 **FOTRE, TERRY V DO**...*Physicians & Surgeons*
1783 **GIANOTTI, ALAN J MD**...*Physicians & Surgeons*
1783 **MASSA, LORRAINE MD**...*Physicians & Surgeons*
1783 **MOLANDER, KARIN HELEN MD**...*Physicians & Surgeons*
1783 **OCCUPATIONAL HEALTH SVC**...*Health Services*
1783 **PENINSULA HOSPITAL PHARMACY**...*Pharmacies*
1783 **PENINSULA PATHOLOGY ASSOC**...*Physicians & Surgeons*
1783 **PENINSULA PHYSICAL THERAPY**...*Health Services*
1783 **PERKOCHA, LUKE A MD**...*Physicians & Surgeons*
1791 **BLOOD CENTERS OF THE PACIFIC**...*Non-profit Organizations*
1800 **DEEJOHN CHRISTMAS TREE LOT**...*Christmas Trees*
1801 **BBVA COMPASS**...*Banks*
1803 **A TAN FOR ALL SEASONS**...*Tanning Salons*
1803 **ALL BRANDS VACUUM**...*Vacuum Cleaners-household-dealers*
1803 **ALL BRANDS VACUUM**...*Vacuum Cleaners-repairing & Parts*
1805 **ALTERATIONS TO GO**...*Alterations-clothing*
1805 **ROOBIK'S CUT**...*Beauty Salons*
1807 **D J CUSTOM JEWELRY**...*Jewelry Designers*
1807 **D J CUSTOM JEWELRY**...*Jewelry Designers*
1807 **HAPPY DONUT**...*Doughnuts*
1809 **LITTLE LUCCA**...*Restaurants*
1811 **CLASSIC CLEANERS**...*Cleaners*
1813 **ADVANCED MOBILE COMMUNICATIONS**...*Radio Communication Equip & Systems-whls*
1813 **BLEVINS, RONA AGT**...*Insurance*
1813 **FERRARI GARBAN, ANNA M**...*Marriage & Family Counselors*
1813 **FERRARI GARBAN, ANNA M**...*Hypnotists*
1813 **MINKY'S FURS**...*Fur Business-retail*
1813 **PORTMAN CONSTRUCTION**...*Building Contractors*
1813 **RODRIGUEZ, LOUIS J CPA**...*Accountants*
1813 **STATE FARM INSURANCE**...*Insurance*
1813 **T M S**...*Miscellaneous Intermediation*
1815 **ADVERTISING DISPLAY SYSTEMS**...*Advertising-outdoor*
1815 **BEAUTY ISLAND SKIN CARE**...*Beauty Salons*
1815 **FARMERS INSURANCE**...*Insurance*
1815 **MADAC**...*Billing Service*

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SOURCE: DIGITAL BUSINESS DIRECTORY
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1815 **S L BECKHEYER INSURANCE**...*Insurance*
1815 **U & G TRADING CO**...*Importers (whls)*
1819 **AMERICAN BULL BAR & GRILL**...*Bars*
1819 **AMERICAN BULL BAR & GRILL**...*Bars*
1825 **LUNARDI FOODS**...*Bakers-retail*
1825 **LUNARDI'S MARKETS**...*Grocers-retail*
1828 **A & O PENESULA PHARMACY**...*Pharmacies*
1828 **BURLINGAME PACIFICA MEDICAL**...*Physicians & Surgeons*
1828 **BURLINGAME PODIATRY GROUP INC**...*Podiatrists*
1828 **BURLINGAME PODIATRY GROUP INC**...*Physicians & Surgeons*
1828 **BURLINGAME THERAPEUTIC ASSOC**...*Physical Therapists*
1828 **CHAN, MICHAEL K MD**...*Physicians & Surgeons*
1828 **CHAO, LAWRENCE MD**...*Physicians & Surgeons*
1828 **CO, CHI K MD**...*Physicians & Surgeons*
1828 **COFFEE COVE**...*Coffee Shops*
1828 **CONNER, BARBARA L MD**...*Physicians & Surgeons*
1828 **DARLING, RICHARD J MD**...*Physicians & Surgeons*
1828 **DIAZ MEDICAL GROUP**...*Physicians & Surgeons*
1828 **DOLLAR TRAVEL INC**...*Travel Agencies & Bureaus*
1828 **DR ZHOU OB-GYN PRO CORP**...*Physicians & Surgeons*
1828 **EL CAMINO HEARING CTR**...*Hearing Aids*
1828 **EVA KWONG ACUPUNCTURE CLINIC**...*Offices Of All Other Misc Health Practitioners*
1828 **FONG, SHIRLEY OD**...*Optometrists Od*
1828 **GIROLAMI, MICHAEL H MD**...*Physicians & Surgeons*
1828 **GOLDSCHLAGER, ARNOLD W MD**...*Physicians & Surgeons*
1828 **GOLODRIGA, LINNA DDS**...*Dentists*
1828 **HO, WILLIAM C K DDS**...*Dentists*
1828 **JAIN, RASHMI MD**...*Physicians & Surgeons*
1828 **KELLER, REBECCA DDS**...*Offices Of Dentists*
1828 **KETCHAM, JUDY HWANG**...*Nurses-practitioners*
1828 **KIRSCHNER OPHTHALMOLOGY**...*Laser Vision Correction*
1828 **KIRSCHNER, BRUCE I MD**...*Physicians & Surgeons*
1828 **KIRSCHNER, BRUCE MD**...*Optical Goods-retail*
1828 **LEE, SIMON MD**...*Resume Service*
1828 **LEE, SIMON MD**...*Physicians & Surgeons*
1828 **LIN, JERRY H DDS**...*Dentists*
1828 **LING, JIE MD**...*Offices Of Physicians (exc Mental Health Specs)*
1828 **LOW, HENRY MD**...*Clinics*
1828 **LOW, HENRY MD**...*Physicians & Surgeons*
1828 **LUK, HOENIE W**...*Offices Of All Other Misc Health Practitioners*
1828 **MADANAT, NABEEL MD**...*Physicians & Surgeons*
1828 **MAKAREWYCZ, BOHDAN A MD**...*Physicians & Surgeons*
1828 **MELAMUD UROLOGY GROUP**...*Physicians & Surgeons*
1828 **MELAMUD, AITAN MD**...*Physicians & Surgeons*
1828 **MILLER, DOUGLAS H DDS**...*Dentists*
1828 **MILLIKEN, SCOTT W DDS**...*Dentists*
1828 **MONAZZA'S PHARMACY**...*Pharmacies*
1828 **NABEEL MADANAT PEDIATRICS**...*Physicians & Surgeons*
1828 **NADELL, ANDREW MD**...*Physicians & Surgeons*
1828 **PENINSULA ALLERGY ASSOC**...*Physicians & Surgeons*
1828 **PENINSULA PROFESSIONAL CTR**...*Office Buildings & Parks*
1828 **PENINSULA SLEEP CTR**...*Sleep Disorders-diagnostic/treatment*

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1828 **PENINSULA SLEEP CTR**...*Physicians & Surgeons*
1828 **PENINSULA WOMEN'S HEALTH**...*Midwives*
1828 **PHYSICIAN'S YOUTHFUL RSLTNS'**...*Medical Spas*
1828 **PHYSICIAN'S YOUTHFUL RSLTNS'**...*Physicians & Surgeons*
1828 **QUEST DIAGNOSTICS**...*Laboratories-medical*
1828 **ROOST, KENNETH T MD**...*Physicians & Surgeons*
1828 **SANDOVAL, ROSELYN RN**...*Nurses & Nurses' Registries*
1828 **VIP COFFEE SHOP**...*Snack & Nonalcoholic Beverage Bars*
1828 **WANG, CHIEN-CHUNG**...*Offices Of All Other Misc Health Practitioners*
1828 **WATTERS, THOMAS A MD**...*Physicians & Surgeons*
1828 **WESTBAY NEPHROLOGY ASSOC A MED**...*Physicians & Surgeons*
1828 **ZATARAIN-RIOS, ERNESTO MD**...*Physicians & Surgeons*
1838 **ACUHEALTH**...*Clinics*
1838 **CHANG, JACQUELYN MD**...*Physicians & Surgeons*
1838 **DUDA, JOHN**...*Marriage & Family Counselors*
1838 **EXPRESS AIR FREIGHT**...*Air Cargo Service*
1838 **FACE USA INC**...*Electronic Equipment & Supplies-whls*
1838 **GLOBALTARGET.COM INC**...*Travel Agencies & Bureaus*
1838 **GOLD PEGASUS**...*Advertising-promotional*
1838 **GOLDEN STATE BLDG MNTNC INC**...*Janitor Service*
1838 **GOODWIN, ROBERT A MD**...*Physicians & Surgeons*
1838 **HUDDLESTON CARE LLC**...*Nonclassified Establishments*
1838 **JONAHFUN LLC**...*Nonclassified Establishments*
1838 **KANEN, NANI MD**...*Physicians & Surgeons*
1838 **KHANANASHVILI, NANI MD**...*Physicians & Surgeons*
1838 **LEMI MEDICAL**...*Physicians & Surgeons*
1838 **LEUNG, ALEX PHD**...*Psychologists*
1838 **LEVINSON, MICHAEL U MD**...*Physicians & Surgeons*
1838 **LODY CURA**...*Nonclassified Establishments*
1838 **MARQUEZ HOWARD, DIANE**...*Marriage & Family Counselors*
1838 **MARY WONG'S INSURANCE SVC**...*Insurance*
1838 **N T COMPUTING INC**...*Computers-system Designers & Consultants*
1838 **QUATTRO HEALTH**...*Health Services*
1838 **RILEY, NELL PHD**...*Psychologists*
1838 **SVENSSON, TRAVIS K MD**...*Physicians & Surgeons*
1838 **WATER WELL PLUS**...*Water & Sewer Line & Related Structures Constr*
1838 **ZAKASOVSKAYA, ANNA C PA**...*Physicians Assistants*
1840 **BURLINGAME MILLBRAE YELLOW CAB**...*Taxicabs & Transportation Service*
1840 **TSENG, MICHAEL S DDS**...*Dentists*
1840 **YOON, ANNA DDS**...*Dentists*
1841 **RESTAURANT BAY WATCH**...*Restaurants*
1841 **RESTAURANT BAYWATCH**...*Restaurants*
1842 **ISHI LIMOUSINE INC**...*Limousine Service*
1842 **VALLEY GRAPHICS PRINTING INC**...*Graphic Designers*
1843 **SEE'S CANDIES CHOCOLATE SHOP**...*Candy & Confectionery-retail*
1844 **FABIO SILVA**...*Real Estate*
1845 **NEAL'S COFFEE SHOP**...*Restaurants*
1846 **JNZ MEDICAL GROUP**...*Offices Of Physicians (exc Mental Health Specs)*
1849 **SOGO BAKERY**...*Bakers-retail*
1850 **BAY AREA VEIN & VASCULAR CTR**...*Physicians & Surgeons*
1851 **5 A'S CAFE**...*Restaurants*
1855 **SPORT CLIPS**...*Beauty Salons*

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SOURCE: DIGITAL BUSINESS DIRECTORY
EL CAMINO REAL

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1857 **SUBWAY**...*Delicatessens*
1857 **SUBWAY**...*Restaurants*
1859 **LEFTY'S SPORTS CARD STORE**...*Collectibles*
1859 **LEFTY'S SPORTS CARD STORE**...*Baseball Sports Cards & Memorabilia*
1860 **1 BURLINGAME GARAGE DOOR RPR**...*Repair Shops & Related Services Nec*
1860 **AERO PHYSICAL THRPY & SPORTS**...*Physical Therapists*
1860 **ALLARD, KATHY PHD**...*Marriage & Family Counselors*
1860 **BANKERS PREFERRED**...*Real Estate Credit*
1860 **BAYPONS.COM**...*Internet Service*
1860 **BAYPONS.COM**...*Advertising-computer*
1860 **BODY SYMMETRY**...*Yoga Instruction*
1860 **CHAU, WILLIAM DC**...*Chiropractors Dc*
1860 **CHAVEZ MANAGEMENT GROUP**...*Real Estate Management*
1860 **CHAVEZ MANAGEMENT GROUP**...*Federal Government Contractors*
1860 **CHIN, HOA**...*Insurance*
1860 **CRISIS CENTER**...*Government Offices-county*
1860 **DR ALEX LAKOWSKY**...*Medical Centers*
1860 **ELM ADVISORS**...*Investment Management*
1860 **EMILY R WILDMAN PSY D LLC**...*Nonclassified Establishments*
1860 **EXAM ONE**...*Insurance-inspection & Audits*
1860 **FINONES, HANNEKE R DDS**...*Dentists*
1860 **GLATT, WILLIAM MD**...*Physicians & Surgeons*
1860 **H&R BLOCK**...*Tax Return Preparation & Filing*
1860 **HEALTH DIAGNOSTICS**...*Diagnostic Imaging Centers*
1860 **HEALTH DIAGNOSTICS**...*Physicians & Surgeons*
1860 **HEALTH DIAGNOSTICS OF CA**...*Diagnostic Imaging Centers*
1860 **HONAKER, JASON**...*Attorneys*
1860 **LAKOWSKY, ALEXANDER MD**...*Physicians & Surgeons*
1860 **LIEBERMAN, MARC**...*Optometrists Od-therapy Visual Training*
1860 **LORIS RESOURCES**...*Consultant Brokers*
1860 **LYDDA GROUP LLC**...*Business Services Nec*
1860 **MACSON, LEE OD**...*Optometrists Od*
1860 **MEKHTEYS, MASHA IGOR DDS**...*Dentists*
1860 **MICHAEL HAIGH**...*Real Estate Loans*
1860 **MIXBERRY MEDIA INC**...*Nonclassified Establishments*
1860 **NARAYAN LAW FIRM**...*Attorneys*
1860 **NEST DENTAL**...*Dentists*
1860 **NORRIS, MICHAEL S MD**...*Physicians & Surgeons*
1860 **NORTHERN CA PRIMARY CARE ASSOC**...*Physicians & Surgeons*
1860 **ONE WIRE**...*Nonclassified Establishments*
1860 **PACIFIC FOOT CARE PODIATRY GRP**...*Offices Of Podiatrists*
1860 **PALESTINE DAY**...*Nonclassified Establishments*
1860 **PETER PAUL DENTAL LABORATORY**...*Laboratories-dental*
1860 **PHIL CAULFIELD-LOAN OFFICER**...*Loans*
1860 **PHYSIOTHERAPY ASSOCIATES**...*Physical Therapists*
1860 **QUEUE PAYROLL INC**...*Payroll Preparation Service*
1860 **RAPE TRAUMA SVC OF SAN MATEO**...*Crisis Intervention Service*
1860 **RICHARD, JOHN D**...*Psychologists*
1860 **SAN MATEO RAPE CRISIS SVC**...*Government Offices-county*
1860 **SCHOLL, MARCELLA S**...*Physical Therapists*
1860 **STARVISTA CRISIS INTERVENTION**...*Crisis Intervention Service*
1860 **UNITED HEALTH CREDIT UNION**...*Credit Unions*

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1860 **W J BRADLEY-MICHAEL HAIGH TEAM**...*Unclassified Establishments*
1860 **WEISS, RICHARD PHD**...*Psychologists*
1861 **YAO SUSHI**...*Restaurants*
1863 **BEING YOGA**...*Yoga Instruction*
1865 **STARBUCKS**...*Restaurants*
1865 **STARBUCKS**...*Coffee Shops*
1870 **AMBUS, PEGGY DDS**...*Dentists*
1870 **DREAMQUEST HOLIDAYS LLC**...*Nonclassified Establishments*
1870 **FARMERS INSURANCE**...*Insurance*
1870 **I EXPRESS TRAVEL**...*Travel Consultants*
1870 **PENINSULA CHIROPRACTIC CTR**...*Chiropractors Dc*
1870 **PENINSULA CHIROPRACTIC CTR**...*Chiropractors Dc*
1870 **PERFORMING ARTS FOR YOUTH SCTY**...*Performing Arts*
1870 **PREFERSOURCE**...*Chiropractors Dc*
1870 **PREFERSOURCE**...*Importers (whls)*
1870 **PRIME PACIFIC GLOBAL MGMT CORP**...*Real Estate Management*
1870 **PRIME VISA IMMIGRATION**...*Real Estate Management*
1870 **TAM, RICKY**...*Insurance*
1870 **TEAMWORK TRAVEL SVC**...*Travel Agencies & Bureaus*
1870 **TOWN COUNTRY INSURANCE SVC**...*Insurance*
1870 **TOWN & COUNTRY INSURANCE SVC**...*Insurance*
1871 **CHASE ATM**...*Automated Teller Machines*
1871 **CVS/PHARMACY**...*Pharmacies*
1871 **SISTO, CHRISTINA M**...*Nurses-practitioners*
1871 **STAIGER, ALAINA R NP**...*Nurses-practitioners*
1871 **TARUC, KRISTEN**...*Nurses-practitioners*
1876 **BURLINGAME 76**...*Service Stations-gasoline & Oil*
1876 **BURLINGAME 76**...*Gasoline & Oil Bulk Stations (whls)*
1876 **PRO-SMOGS**...*Automobile Smog Control Inspections*
1881 **MIYAMOTO, SANDRA J OD**...*Optometrists Od*
1883 **HOLIDAY CLEANERS OF AMERICA**...*Cleaners*
1887 **UNION BANK**...*Banks*
1887 **UNION BANK**...*Automated Teller Machines*
1887 **UNION BANK ATM**...*Automated Teller Machines*

1100 **BURLINGAME LONG TERM CARE**...*Retirement Communities & Homes*
1111 **BURLINGAME POLICE DEPT**...*Police Departments*

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363 total records. *Part 1 of 7*

1720 **A BURLINGAME GARAGE DOORS**...*Doors-garage*
1720 **AHMAD AZIZ MD**...*Physicians & Surgeons*
1720 **ANGEJA BRAD G MD**...*Physicians & Surgeons*
1720 **APTE RUPALI V MD**...*Physicians & Surgeons*
1720 **BAUMANN DIRK S MD**...*Physicians & Surgeons*
1720 **BEARE JOHN P MD**...*Physicians & Surgeons*
1720 **BENNER ROBERT B MD**...*Physicians & Surgeons*
1720 **BOBLETT BENJAMIN F MD**...*Physicians & Surgeons*
1720 **BREKHUS SHARYN D MD**...*Physicians & Surgeons*
1720 **BURLINGAME DIALYSIS CTR**...*Kidney Dialysis Centers*
1720 **BURLINGAME ORTHOPEDICS & SPRTS**...*Physicians & Surgeons*
1720 **CARDVAS ASSOCIATES-PENINSULA**...*Nonclassified Establishments*
1720 **CHAN SAMUEL Y MD**...*Physicians & Surgeons*
1720 **CHERN KENNETH C MD**...*Physicians & Surgeons*
1720 **CHRISTOPH IAN MD**...*Physicians & Surgeons*
1720 **COHEN GEORGE H MD**...*Physicians & Surgeons*
1720 **COOPER KIM L MD**...*Physicians & Surgeons*
1720 **COSKEY LAWRENCE A MD**...*Physicians & Surgeons*
1720 **DEBRA SHAPIRO INC**...*Physicians & Surgeons*
1720 **DEY SUJOYA MD**...*Physicians & Surgeons*
1720 **EMMOTT R CAMERON MD**...*Physicians & Surgeons*
1720 **FARID-MOAYER MEHRAN MD**...*Physicians & Surgeons*
1720 **FELICIANO MELANIE OD**...*Optometrists Od*
1720 **FERRIS MARY-LOUISE MD**...*Physicians & Surgeons*
1720 **FOSTER PAMELA E MD**...*Physicians & Surgeons*
1720 **FRENCH MELISSA C**...*Midwives*
1720 **FREY LISA A**...*Nurses-practitioners*
1720 **GARVEN SUSAN**...*Midwives*
1720 **GOMEZ MICHELE A MD**...*Physicians & Surgeons*
1720 **GREIF DANIEL MD**...*Physicians & Surgeons*
1720 **HO DONALD MD**...*Physicians & Surgeons*
1720 **INTERFAITH HOSPITALITY NETWORK**...*Social Service & Welfare Organizations*
1720 **JADALLAH CARLA MAURE MD**...*Physicians & Surgeons*
1720 **JASMER ROBERT M MD**...*Physicians & Surgeons*
1720 **JENSEN BRIAN C MD**...*Physicians & Surgeons*
1720 **KASUGA ALBERT R MD**...*Physicians & Surgeons*
1720 **KLONOFF DAVID C MD**...*Physicians & Surgeons*
1720 **KOO EDWARD Y MD**...*Physicians & Surgeons*
1720 **LIN STEPHANIE MD**...*Physicians & Surgeons*
1720 **LIU VICTOR MD**...*Physicians & Surgeons*
1720 **LOWE SPENCER T MD**...*Physicians & Surgeons*
1720 **MARSH LAURIE MD**...*Physicians & Surgeons*
1720 **METKUS ANDREA P MD**...*Physicians & Surgeons*
1720 **MID-PENINSULA MEDICAL GROUP**...*Physicians & Surgeons*
1720 **MILLS-PENINSULA HEALTH SVC**...*Physicians & Surgeons*
1720 **MISHRA DEV MD**...*Physicians & Surgeons*
1720 **NANEVICA TANIA MD**...*Physicians & Surgeons*
1720 **PALO ALTO MED FOUNDATION ML**...*Physicians & Surgeons-emergency Service*
1720 **PALO ALTO MEDICAL FOUNDATION**...*Physicians & Surgeons*
1720 **PENINSULA MEDICAL GROUP**...*Physicians & Surgeons*
1720 **PENINSULA OPTHALMOLOGY GROUP**...*Physicians & Surgeons*
1720 **PENINSULA PEDIATRIC MEDICAL**...*Physicians & Surgeons*
1720 **PENINSULA SURGICAL SPECIALISTS**...*Physicians & Surgeons*

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1720 **POON, TAK C MD**...*Physicians & Surgeons*
1720 **POPE, LINDA MARIE MD**...*Physicians & Surgeons*
1720 **POPE, STEPHEN MD**...*Physicians & Surgeons*
1720 **PULMONARY ASSOCIATES**...*Physicians & Surgeons*
1720 **RABBINO, MICHAEL D MD**...*Physicians & Surgeons*
1720 **ROSENMAN, JOHN E MD**...*Physicians & Surgeons*
1720 **SANCHEZ, BARRY R MD**...*Physicians & Surgeons*
1720 **SCHUBINER, JEFFREY MD**...*Physicians & Surgeons*
1720 **SCHWARTZ, ALAN MD**...*Physicians & Surgeons*
1720 **SENIOR FOCUS**...*Non-profit Organizations*
1720 **SHAPIRO, DEBRA MD**...*Physicians & Surgeons*
1720 **STAFF RESOURCES INC**...*Employment Agencies & Opportunities*
1720 **STEYER, BERNARD J MD**...*Physicians & Surgeons*
1720 **SYDORAK, GERALD R MD**...*Physicians & Surgeons*
1720 **SZE, JANIE MD**...*Physicians & Surgeons*
1720 **TAN, JEFFREY T MD**...*Physicians & Surgeons*
1720 **TANAKA, TARA L MD**...*Physicians & Surgeons*
1720 **VICTOR LIU INC**...*Surgical Centers*
1720 **VIESS, STUART MD**...*Physicians & Surgeons*
1720 **WATTERS, THOMAS MD**...*Physicians & Surgeons*
1720 **WETTER, ALBERT L MD**...*Physicians & Surgeons*
1720 **WOMEN CARING FOR WOMEN**...*Physicians & Surgeons*
1720 **WONG, RANDOLPH W MD**...*Physicians & Surgeons*
1720 **XIE, HAICHUN MD**...*Physicians & Surgeons*
1720 **YUAN, JEAN W MD**...*Physicians & Surgeons*
1720 **ZHOU, JOY MD**...*Physicians & Surgeons*
1720 **ZIVITZ, KALI MD**...*Physicians & Surgeons*
1750 **AQUINO, KATHERINE A OD**...*Optometrists Od*
1750 **ARANEDA, LUIS E**...*Physical Therapists*
1750 **ASAI, LUCY S OD**...*Optometrists Od*
1750 **BENDER, MICHAEL D MD**...*Physicians & Surgeons*
1750 **BET, CLAUDIO A MD**...*Physicians & Surgeons*
1750 **BOHANNAN, WILLIAM B DDS**...*Dentists*
1750 **CLAUDIO A BET INC**...*Physicians & Surgeons*
1750 **COHEN, MICHAEL S MD**...*Physicians & Surgeons*
1750 **CONNOLLY, JOHN A MD**...*Physicians & Surgeons*
1750 **ELLISTON, ROBERT R MD**...*Physicians & Surgeons*
1750 **GASTROENTEROLOGY CONSULTANTS**...*Physicians & Surgeons*
1750 **HARBAND, NEWTON MD**...*Physicians & Surgeons*
1750 **HAYNE, LEE R MD**...*Physicians & Surgeons*
1750 **HOFFMAN, ROBERT S MD**...*Physicians & Surgeons*
1750 **INSTITUTE OF PHYSICAL REHAB**...*Physical Therapists*
1750 **INTEGRATIVE HEALTH INSTITUTE**...*Physicians & Surgeons*
1750 **KATZ, IRVING L MD**...*Physicians & Surgeons*
1750 **KAY, DONALD M MD**...*Physicians & Surgeons*
1750 **KELLER, KAREN L MD**...*Physicians & Surgeons*
1750 **KIM, LAWRENCE Y MD**...*Physicians & Surgeons*
1750 **LAB CORP**...*Laboratories-research & Development*
1750 **LAPINS, NIKOLAJS A MD**...*Physicians & Surgeons*
1750 **LEVINE, AARON D MD**...*Physicians & Surgeons*
1750 **LUI, FRED Y MD**...*Physicians & Surgeons*
1750 **MALDONADO, JANET L MD**...*Physicians & Surgeons*

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1750 **MEDICALINSIDER**...*Clinics*
1750 **MID PENINSULA UROLOGY GROUP**...*Physicians & Surgeons*
1750 **NEWTON HARBAND INC**...*Physicians & Surgeons*
1750 **NICHOLS, DONALD B MD**...*Physicians & Surgeons*
1750 **OPTICAL 102**...*Physicians & Surgeons*
1750 **PENINSULA DERMATOLOGY MED GRP**...*Physicians & Surgeons*
1750 **PENINSULA NEUROLOGICAL ASSOC**...*Physicians & Surgeons*
1750 **PENINSULA PLASTIC SURGERY MED**...*Surgical Centers*
1750 **ROSENBERG, ANDREW G MD**...*Physicians & Surgeons*
1750 **ROSENBERG, MARK E MD**...*Physicians & Surgeons*
1750 **ROSENFIELD, LORNE K MD**...*Physicians & Surgeons*
1750 **RUSSO, ANTHONY MD**...*Physicians & Surgeons*
1750 **SEVENTEEN FIFTY MEDICAL CTR**...*Pharmacies*
1750 **SUGARMAN, DAVID MD**...*Physicians & Surgeons*
1750 **TAVERA, LYNNE T**...*Nurses-practitioners*
1750 **TELFER, ROBERT B MD**...*Physicians & Surgeons*
1750 **THEIN, JOCELYN CO MD**...*Physicians & Surgeons*
1750 **TORTORICE, FRANK MD**...*Physicians & Surgeons*
1750 **VERGHESE, VINO J MD**...*Physicians & Surgeons*
1750 **YU, HALDEN DDS**...*Dentists*
1750 **ZIGRANG, WILLIAM MD**...*Physicians & Surgeons*
1783 **24-HOUR CRISIS SVC**...*Crisis Intervention Service*
1783 **ADLER, SUSAN MD**...*Physicians & Surgeons*
1783 **ALCOHOLISM & DRUG REHAB CTR**...*Alcoholism Information & Treatment Ctrs*
1783 **ALONZO, JUDY MD**...*Physicians & Surgeons*
1783 **BAINTON, BRUCE G MD**...*Physicians & Surgeons*
1783 **BEG, SUMBUL N MD**...*Physicians & Surgeons*
1783 **BOLBOLAN, SHAHLA A MD**...*Physicians & Surgeons*
1783 **BOROFSKY, HARRIET MD**...*Physicians & Surgeons*
1783 **BRODY, ALLAN J MD**...*Physicians & Surgeons*
1783 **BROUCH, ERIC MD**...*Physicians & Surgeons*
1783 **BUCHNER, STEPHEN J MD**...*Physicians & Surgeons*
1783 **CARDIAC REHABILITATION**...*Rehabilitation Services*
1783 **CARPENTER, CELIA MD**...*Physicians & Surgeons*
1783 **CHORTKOFF, BEN MD**...*Physicians & Surgeons*
1783 **DAILEY, PATRICIA MD**...*Physicians & Surgeons*
1783 **DUNCAN, KEITH MD**...*Physicians & Surgeons*
1783 **DURISETI, RAM MD**...*Physicians & Surgeons*
1783 **ECKELS, JOHN C MD**...*Physicians & Surgeons*
1783 **FENERTY, JOSEPH P MD**...*Physicians & Surgeons*
1783 **FOSTER, TAMMY MD**...*Physicians & Surgeons*
1783 **FOTRE, TERRY V DO**...*Physicians & Surgeons*
1783 **FUKUDA, KEVIN MD**...*Physicians & Surgeons*
1783 **GATES, BENNETT E MD**...*Physicians & Surgeons*
1783 **GIANOTTI, ALAN J MD**...*Physicians & Surgeons*
1783 **GRAVES, DONALD W MD**...*Physicians & Surgeons*
1783 **GUENIN, DANIEL G MD**...*Physicians & Surgeons*
1783 **GUICHARD, ANTHONY J MD**...*Physicians & Surgeons*
1783 **GURUSWAMI, BHANUMATHI MD**...*Physicians & Surgeons*
1783 **HOLTZCLAW, DAVID MD**...*Physicians & Surgeons*
1783 **HU, BENJAMIN MD**...*Physicians & Surgeons*
1783 **JENSEN, SUZANNE MD**...*Physicians & Surgeons*

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1783 **JOHNSON, BRIAN MD**...*Physicians & Surgeons*
1783 **KOHN, MICHAEL A MD**...*Physicians & Surgeons*
1783 **LESSANI, TONIA M MD**...*Physicians & Surgeons*
1783 **LIM, GREGORY MD**...*Physicians & Surgeons*
1783 **MENTAL HEALTH CTR-PENINSULA**...*Mental Health Services*
1783 **MERWIN, ROBERT W MD**...*Physicians & Surgeons*
1783 **MILLS-PENINSULA CHEMICAL**...*Chemicals-retail*
1783 **MOLANDER, KARIN HELEN MD**...*Physicians & Surgeons*
1783 **OCCUPATIONAL HEALTH SVC**...*Health Services*
1783 **PEDERSON, MARK MD**...*Physicians & Surgeons*
1783 **PENINSULA HOSPITAL PHARMACY**...*Pharmacies*
1783 **SCHRAGA, ERIK MD**...*Physicians & Surgeons*
1783 **SHAUGHNESSY, THOMAS E MD**...*Physicians & Surgeons*
1783 **STEPHENSON, WILLIAM MD**...*Physicians & Surgeons*
1783 **TORNABENE, VINCENT W MD**...*Physicians & Surgeons*
1783 **WAPEN, BRUCE MD**...*Physicians & Surgeons*
1783 **WELLER, STEPHEN A MD**...*Physicians & Surgeons*
1783 **WHITE, CHRISTOPHER MD**...*Physicians & Surgeons*
1783 **WILK, ERIK J MD**...*Physicians & Surgeons*
1783 **WILLIAMS, SARAH MD**...*Physicians & Surgeons*
1783 **WILSON, JOHN MD**...*Physicians & Surgeons*
1783 **ZILLMANN, TOMAS D MD**...*Physicians & Surgeons*
1801 **BBVA COMPASS**...*Banks*
1803 **A TAN FOR ALL SEASONS**...*Tanning Salons*
1803 **ALL BRANDS VACUUM**...*Vacuum Cleaners-household-dealers*
1805 **ALTERATIONS TO GO**...*Alterations-clothing*
1805 **ROOBIK'S CUT**...*Beauty Salons*
1807 **D J CUSTOM JEWELRY**...*Jewelry Designers*
1807 **HAPPY DONUT**...*Doughnuts*
1809 **LITTLE LUCCA III**...*Delicatessens*
1811 **CLASSIC CLEANERS**...*Cleaners*
1811 **W J BRITTON & CO**...*Real Estate*
1813 **ADVANCED MOBILE COMMUNICATIONS**...*Radio Communication Equip & Systems-whls*
1813 **FERRARI GARBAN, ANNA M**...*Marriage & Family Counselors*
1813 **GARBAN, ANNA MARIE**...*Marriage & Family Counselors*
1813 **RODRIGUEZ, LOUIS J CPA**...*Accountants*
1815 **BEAUTY ISLAND SKIN CARE**...*Beauty Salons*
1815 **FARMERS INSURANCE**...*Insurance*
1815 **S L BECKHEYER INSURANCE**...*Insurance*
1815 **U & G TRADING CO**...*Importers (whls)*
1819 **AMERICAN BULL BAR & GRILL**...*Bars*
1825 **LUNARDI FOODS**...*Grocers-retail*
1828 **AGARNADEZ, MARCELLA**...*Physicians Assistants*
1828 **BARRETT, BARBIE J MD**...*Physicians & Surgeons*
1828 **BURLINGAME PACIFICA MEDICAL**...*Physicians & Surgeons*
1828 **BURLINGAME PODIATRY GROUP INC**...*Podiatrists*
1828 **BURLINGAME THERAPEUTIC ASSOC**...*Physical Therapists*
1828 **CABRAL, ANGELICA A DDS**...*Dentists*
1828 **CHAN, MICHAEL K MD**...*Physicians & Surgeons*
1828 **CHI, PATTY MD**...*Physicians & Surgeons*
1828 **CO, CHI K MD**...*Physicians & Surgeons*
1828 **CONNER, BARBARA L MD**...*Physicians & Surgeons*

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1828 **CONSANI, KEVIN U DDS**...*Dentists*
1828 **DARLING, RICHARD J MD**...*Physicians & Surgeons*
1828 **DIAZ MEDICAL GROUP**...*Physicians & Surgeons*
1828 **DIAZ, ROBERTO MD**...*Physicians & Surgeons*
1828 **DOLLAR TRAVEL INC**...*Travel Agencies & Bureaus*
1828 **DUPONT, REBECCA MD**...*Physicians & Surgeons*
1828 **DYER, LISA L MD**...*Physicians & Surgeons*
1828 **EL CAMINO HEARING CTR**...*Hearing Aids*
1828 **FISHER, HERBERT M MD**...*Physicians & Surgeons*
1828 **FLETCHER, JACQUELINE MD**...*Physicians & Surgeons*
1828 **FONG, SHIRLEY OD**...*Optometrists Od*
1828 **GANDHI, RAJU H MD**...*Physicians & Surgeons*
1828 **GIROLAMI, MICHAEL H MD**...*Physicians & Surgeons*
1828 **GOLDSCHLAGER, ARNOLD W MD**...*Physicians & Surgeons*
1828 **GOLODRIGA, LINNA DDS**...*Dentists*
1828 **GUREVITZ, HOWARD MD**...*Physicians & Surgeons*
1828 **HO, WILLIAM C K DDS**...*Dentists*
1828 **JAIN, RASHMI MD**...*Physicians & Surgeons*
1828 **JUROW, ANDREW H MD**...*Physicians & Surgeons*
1828 **KARDASSAKIS, DEAN MD**...*Physicians & Surgeons*
1828 **KENNETH T ROOST INC**...*Physicians & Surgeons*
1828 **KIRSCHNER OPHTHALMOLOGY**...*Physicians & Surgeons*
1828 **KIRSCHNER, BRUCE MD**...*Physicians & Surgeons*
1828 **KWONG, SUSAN M DDS**...*Dentists*
1828 **LEE, SIMON MD**...*Physicians & Surgeons*
1828 **LIN, JERRY H DDS**...*Dentists*
1828 **LOW, HENRY MD**...*Physicians & Surgeons*
1828 **MADANAT, NABEEL MD**...*Physicians & Surgeons*
1828 **MAKAREWYCZ, BOHDAN A MD**...*Physicians & Surgeons*
1828 **MELAMUD UROLOGY GROUP**...*Physicians & Surgeons*
1828 **MELAMUD, AITAN MD**...*Physicians & Surgeons*
1828 **MELAMUD, AITAN MD**...*Physicians & Surgeons*
1828 **MELAMUD, ORI MD**...*Physicians & Surgeons*
1828 **MENDOZA, ADA**...*Physicians Assistants*
1828 **MILLER, BETTY MD**...*Physicians & Surgeons*
1828 **MILLER, DOUGLAS H DDS**...*Dentists*
1828 **MONAZZA'S PHARMACY**...*Pharmacies*
1828 **NABEEL MADANAT PEDIATRICS**...*Physicians & Surgeons*
1828 **NADELL, ANDREW MD**...*Physicians & Surgeons*
1828 **NIEBERDING, PAUL H MD**...*Physicians & Surgeons*
1828 **PENINSULA ALLERGY ASSOC**...*Physicians & Surgeons*
1828 **PENINSULA FAMILY SMILE CTR INC**...*Dentists*
1828 **PENINSULA SLEEP CTR**...*Sleep Disorders-diagnostic/treatment*
1828 **PENINSULA WOMEN'S HEALTH**...*Physicians & Surgeons*
1828 **QUEST DIAGNOSTICS**...*Laboratories-medical*
1828 **QUINN-CHEN, DEBORAH MD**...*Physicians & Surgeons*
1828 **ROOST, KENNETH T MD**...*Physicians & Surgeons*
1828 **SANDOVAL, ROSELYN**...*Nurses & Nurses' Registries*
1828 **STINSON, NELL L MD**...*Physicians & Surgeons*
1828 **TARADASH, MICHAEL R MD**...*Physicians & Surgeons*
1828 **VINCENTI, LISA M**...*Nurses & Nurses' Registries*
1828 **WESTBAY NEPHROLOGY ASSOC A MED**...*Physicians & Surgeons*

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1838 **ALPER, PHILIP R MD**...*Physicians & Surgeons*
1838 **DAVID KNEAPLER AMC**...*Physicians & Surgeons*
1838 **DUDA, JOHN**...*Marriage & Family Counselors*
1838 **EMO TRANS USA INC**...*Air Cargo Service*
1838 **FACE USA INC**...*Electronic Equipment & Supplies-whls*
1838 **GLOBALTARGET.COM INC**...*Travel Agencies & Bureaus*
1838 **GOLD PEGASUS**...*Advertising-promotional*
1838 **GOODWIN, ROBERT A MD**...*Physicians & Surgeons*
1838 **KHANANASHVILI, NANI MD**...*Physicians & Surgeons*
1838 **LEMI MEDICAL**...*Physicians & Surgeons*
1838 **LEUNG, ALEX PHD**...*Psychologists*
1838 **MARY WONG'S INSURANCE SVC**...*Insurance*
1838 **MOSS SHARI & ASSOC**...*Court & Convention Reporters*
1838 **QUATTRO HEALTH**...*Health Services*
1838 **R 8TED R PRODUCTION**...*Importers (whls)*
1838 **RILEY, NELL PHD**...*Psychologists*
1840 **BURLINGAME MILLBRAE YELLOW CAB**...*Taxicabs & Transportation Service*
1840 **TSENG, MICHAEL S DDS**...*Dentists*
1840 **UNITED DENTAL GROUP INC**...*Dentists*
1840 **YIP, LINDA D DDS**...*Dentists*
1841 **BAYWATCH RESTAURNT**...*Restaurants*
1841 **RESTAURANT BAY WATCH**...*Restaurants*
1842 **ISHI LIMOUSINE INC**...*Limousine Service*
1842 **VALLEY GRAPHICS PRINTING INC**...*Graphic Designers*
1843 **SEE'S CANDIES**...*Candy & Confectionery-retail*
1844 **VIP TAXI & LIMO**...*Taxicabs & Transportation Service*
1845 **NEAL'S COFFEE SHOP**...*Restaurants*
1847 **PAYLESS SHOE SOURCE**...*Shoes-retail*
1851 **FIVE A'S CAFE**...*Restaurants*
1855 **BURLINGAME PLAZA FLORIST**...*Florists-retail*
1857 **SUBWAY**...*Restaurants*
1859 **LEFTY'S SPORTS CARD STORE**...*Baseball Sports Cards & Memorabilia*
1860 **1 BURLINGAME GRGE DOOR REPAIR**...*Repair Shops & Related Services Nec*
1860 **25 NORTH 14TH STREET LLC**...*Real Estate Management*
1860 **355 GELLERT BOULEVARD LLC**...*Real Estate Management*
1860 **365 MAIN INC**...*Nonclassified Establishments*
1860 **ALLARD, KATHY PHD**...*Psychologists*
1860 **ANSELMO, VIRNA**...*Insurance*
1860 **ANSELMO, VIRNA LIZA**...*Insurance*
1860 **AUGUSTYN, CAROLINE C MD**...*Physicians & Surgeons*
1860 **BALESTRA FENCING**...*Fence Contractors*
1860 **BODY SYMMETRY**...*Yoga Instruction*
1860 **CHAU, WILLIAM DC**...*Chiropractors Dc*
1860 **CHAVEZ MANAGEMENT GROUP**...*Real Estate Management*
1860 **CHIN, HOA**...*Insurance*
1860 **CHINA TRAVEL CA**...*Travel Agencies & Bureaus*
1860 **CHINA TRAVEL SVC**...*Travel Agencies & Bureaus*
1860 **DONDY REAL ESTATE SVC**...*Real Estate*
1860 **DR MEKHTEYS**...*Dentists*
1860 **ELM ADVISORS**...*Investment Management*
1860 **EXAM ONE**...*Laboratories-medical*
1860 **FAMILY STRESS SVC-SAN MATEO**...*Services Nec*

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1860 **FARMERS INSURANCE**...*Insurance*
1860 **GILMAN, VALERIE DDS**...*Dentists*
1860 **GLATT MEDICAL**...*Physicians & Surgeons*
1860 **GLATT, DANIEL J MD**...*Physicians & Surgeons*
1860 **GUBERMAN-LANE, DEBORAH L**...*Social Workers*
1860 **H&R BLOCK**...*Tax Return Preparation & Filing*
1860 **HEALTH DIAGNOSTICS**...*Diagnostic Imaging Centers*
1860 **KLEUSCH-MEKHTE, MASHA DDS**...*Dentists*
1860 **LIE, CATHERINE**...*Insurance*
1860 **LORIS RESOURCES**...*Agricultural Products*
1860 **LUXE JEWELS**...*Jewelers-retail*
1860 **LYDDA GROUP LLC**...*Business Services Nec*
1860 **MEKHTEYS, MASHA IGOR DDS**...*Dentists*
1860 **MENEFEE, MICHAEL C PHD**...*Psychologists*
1860 **NARAYAN LAW FIRM**...*Attorneys*
1860 **NORRIS, MICHAEL S MD**...*Physicians & Surgeons*
1860 **NORTHERN CA PRIMARY CARE ASSOC**...*Physicians & Surgeons*
1860 **PETER PAUL DENTAL LABORATORY**...*Laboratories-dental*
1860 **PHYSIOTHERAPY ASSOCIATES**...*Physical Therapists*
1860 **RAPE TRAUMA SVC OF SAN MATEO**...*Crisis Intervention Service*
1860 **RICHARD, JOHN D**...*Psychologists*
1860 **ROYALTY REALTY & MORTGAGE SVC**...*Real Estate*
1860 **SAN MATEO RAPE CRISIS SVC**...*Government Offices-county*
1860 **SHA & CO**...*Accounting & Bookkeeping General Svc*
1860 **STARVISTA CRISIS INTERVENTION**...*Crisis Intervention Service*
1860 **UNITED HEALTH CREDIT UNION**...*Credit Unions*
1860 **VALUMAX CA REALTY**...*Real Estate*
1860 **WEISS, RICHARD PHD**...*Psychologists*
1860 **WHELAN, AILEEN MD**...*Physicians & Surgeons*
1861 **YAO SUSHI**...*Restaurants*
1863 **BEING YOGA**...*Yoga Instruction*
1865 **STARBUCKS**...*Coffee Shops*
1870 **AMBUS, PEGGY DDS**...*Dentists*
1870 **DREAMQUEST HOLIDAYS LLC**...*Nonclassified Establishments*
1870 **FARMERS INSURANCE**...*Insurance*
1870 **I EXPRESS TRAVEL**...*Travel Consultants*
1870 **PENINSULA CHIROPRACTIC CTR**...*Chiropractors Dc*
1870 **PERFORMING ARTS FOR YOUTH SCTY**...*Performing Arts*
1870 **PRIME PACIFIC GLOBAL MGMT CORP**...*Real Estate Management*
1870 **TAM, RICKY**...*Insurance*
1870 **TEAMWORK TRAVEL SVC**...*Travel Agencies & Bureaus*
1870 **TOWN & COUNTRY INSURANCE SVC**...*Insurance*
1870 **WONG, JANET**...*Business Management Consultants*
1871 **CHASE ATM**...*Automated Teller Machines*
1871 **CVS PHARMACY**...*Pharmacies*
1876 **BURLINGAME 76**...*Service Stations-gasoline & Oil*
1876 **PRO-SMOGS**...*Automobile Smog Control Inspections*
1881 **MIYAMOTO, SANDRA J OD**...*Optometrists Od*
1881 **PAMELA FONG OPTOMETRY**...*Optometrists Od*
1887 **UNION BANK**...*Banks*

1100 **BURLINGAME LONG TERM CARE**...*Retirement Communities & Homes*
1100 **SWAROOP, ASHA K MD**...*Physicians & Surgeons*
1111 **BURLINGAME POLICE DEPT**...*Police Departments*

276 total records. *Part 1 of 6*

1479	MULTI TENANT RESIDENTIAL
1509	CAMPOS CANDIDA
1509	SINGH NARENDRA
1720	MILLSPNSLA HLTH RDLGY CNCS
1720	MLLSPNSLA HLTH OUTPTNT LABS
1720	BUILDING
1720	BURLNG DIALYSIS CENTER
1720	BURLNG ORTHPDCS & SPRTS MED ASC
1720	CARDIOVASCULAR ASSOC PENINSULA
1720	CARDVAS ASSOC OF PENINSULA
1720	FRENCH MELISSA C MSN CNM
1720	GRAVEN SUSAN MSN CNM
1720	MID PENINSULA MDCL GRP INC
1720	MILLS PNSLA HLTH RENAL DIALYS
1720	MULTI TENANT PROFESSIONAL
1720	MULTI TENANT PROFESSIONAL
1720	PENINSULA PEDIATRIC MDCL GROUP
1720	PENINSULA MEDICAL GROUP
1720	PENINSULA SURGICAL SPECIAUST
1720	PRACTICE MANAGEMENT SYSTM INC
1720	PULMONARY ASC
1720	PULMONARY ASSOCIATES
1720	ROCKRIDGE HEALTHPLN
1720	STAFF ADMIN SYSTEMS
1750	BALZ THEODOREC ATY
1750	AQUINO KATHERINE A
1750	ARANEDA LUIS E
1750	ASA LUCY S OD
1750	BALZ VICTOR E ATTORNEY AT LAW
1750	BAR TC DUREZAR CND`S
1750	BUILDING
1750	COMPLETE CARE GASTRO PRACTCE
1750	DGRANG WILLIAM MD
1750	GASTROENTEROLO GY CONSULTANTS
1750	LABCORP LABORATORY CORPORATION OF AMER
1750	MICHAEL AND MEDICAL CENTER
1750	PENINSULA DERMATOLOGY
1750	PENINSULA PLSTC SRGRY NED GRP
1750	PHARBURUNGAME MEDICALINSIDER
1750	SEVENTEEN FIFTY MDCL CT PHAR
1750	TELFER ROBT B MD
1750	WARREN JOHN F MD
1783	24 - HOUR CRISIS SERVICE
1783	ALCOHOUSM AND DRUG REHAB
1783	CELEBRITY CAFE
1783	LIFELINE MLLS PNNSLA MED CNTR
1783	LIFELINE PENINSULA HOSPITAL
1783	MILLS - PNSLA HLTH CHEM DPNONCY
1783	MILLS - PNSLA HLTH GEN INFO
1783	MILLS PENINSULA CHEM DPNDNCY S
1783	MILLS PNSLA HLTH CANCER CT
1783	MILLS PNSLA HLTH FITNESS CNTR
1783	MILLS PNSLA HLTH FRLY BIRTH CT

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SOURCE: HAINES
EL CAMINO REAL

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1783	MILLS PNSLA HLTH MATERNITY ED
1783	MILLS PNSLA HLTH OCPTNL THRPY
1783	MILLS PNSLA HLTH PRSNL & EMPLY
1783	MILLS PNSLA HLTH PSYCH EMER
1783	MILLS PNSLA HLTH PTNT RAINS
1783	MILLS PNSLA HLTH SENIOR FOCUS
1783	MILLS PNSLA HLTH ULTRASOUND
1783	MILLS PNSLA HTH CTR
1783	MILLS PNSLA PTNT ACCT SRV
1783	MILLS- PNSLA HLTH HSP FNDTN
1783	MILLSPNSLA HLTH AUDLGY
1783	MILLSPNSLA HLTH AUXLRY
1783	MILLSPNSLA HLTH CRDC REHAB
1783	MILLSPNSLA HLTH CRDLGY
1783	MILLSPNSLA HLTH LFLNE
1783	MILLSPNSLA HLTH MNTL HLTH SRV
1783	MILLSPNSLA HLTH PHAR
1783	MILLSPNSLA HLTH PRCHSNG
1783	MILLSPNSLA HLTH RSPRTRY CR
1783	MILLSPNSLA HLTH SURGERY CNTR
1783	MILLSPNSLA HLTH VOC ASSESSMNT
1783	MLLS PNSLA HLTH ASSIST U
1783	MLLS PNSLA HLTH FOOD & NUTRITN
1783	MULSPNSLA HLTH ADMITTING
1783	NOWAKOWSKI VALERIE MD
1783	PENINSULA HEALTH CARE DIST
1783	RULLSPNSLA HLTH LAB
1783	WELLER STEPHEN A MD
1783	WILL SPNSLA HLTH EMER DPT
1801	DJ CUSTON JEWELRY
1801	GUARANTY BANK
1803	A TAN FOR ALL SEASONS
1803	A1A TAN FOR ALL SEASONS
1803	HOOVER COMPANY THE
1803	TAN FOR ALL SEASONS
1803	TATAN FOR ALL SEASONS
1805	ALTERATIONS TO GO
1805	ROOBIK'S CUT
1805	RUBIK'S CUBE ROOBIK'S CUT
1805	RUBIK'S CUT/ROOBIK'S CUT
1809	LITTLE LUCCA 3D
1811	BRITTON W J & CO CLASSIC CLEANERS
1813	ADVANCED MOBILE COMMUNICATIONS
1813	ALLSTATE INS CO
1813	BAKKER LAURIE BOOKKEEPING SERV
1813	DURAZZO PAUL
1813	GARBAN FERRARI ANNA MARIE MFT
1813	RODRIGUEZ LOUIS J CPA
1815	ADVERTSNG DISPLAY SYSTEMS
1815	BEAUTY ISLAND
1815	BECKHEYER SL INS
1815	FARMERS INS

Part 3 of 6

1815	TU & G TRADING CO
1815	USAMI HIROSHI
1815	USAMI HIROSHI
1815	VANGRSBRGN GARY
1819	AMER BULL BAR & GRILL
1825	WNARDI FOODS
1828	ANDERSON CONNER BARBARA
1828	BERNSTEIN & EVLESHIN LAW OFC
1828	BERNSTEIN & EVLESHIN LAW OFC
1828	BLANCHARD JANIS LRNC NP CNM
1828	BUILDING
1828	BURLNG PACFCA MEDICAL GROUP
1828	BURLNG PODIATRY GROUP
1828	BURLNG THERAPEUTIC ASSOCTS
1828	CHAN MICHAEL K MD
1828	CONNER ANDERSEN BARBARA MD
1828	CONSANI KEVINU DDS NS
1828	COWAN MICHAEL N MD
1828	DARUNG RICHARD J MD
1828	DYER LSAL MD MPH
1828	EL CAMINO HEARING CENTER
1828	FISHER HERBERT M MD
1828	FLETCHER JACQUELINE MD
1828	FRIEDLANDER ELISA MFT
1828	GANDHI RUJUH MD
1828	GIROLAMI MICHAEL H MD
1828	GOLOORIGA UNNA DDS
1828	GUREVITZ HOWARD MD
1828	HO WILLIAM CK DDS
1828	HOL SCHUM CARRIE CNM MSN
1828	JAIN RASHMI MD
1828	JUROW ANDREW MD
1828	K COFFEE SHOP
1828	KARDASSAKIS DEAN MD
1828	KELLER REBECCA DOS MSD
1828	KIRSCHNER BRUCE MD
1828	KUBIN ROBERT H MD
1828	KWONG SUSAN M DDS
1828	LUI FRED Y MD
1828	MADANAT NABEEL PEDIATRICS
1828	MAHLSTEDT PEGGY PA BS
1828	MAKAREWYCZ BOHDAN A FACS MD
1828	MELAMUD AITAN MD
1828	MILLER BETTY MD
1828	MILLER DOUGLAS H DDS
1828	MILUKEN SCOTT W DDS MS
1828	NEWBERRY MARY CNM MSN
1828	NIEBERDING PAUL H MD FACS
1828	PENINSULA ALLRGY ASC A MED GRP
1828	PENINSULA EAR NOSE
1828	PENINSULA FAMILY SMILE CARE
1828	PENINSULA PRFSNL CNTR

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SOURCE: HAINES
EL CAMINO REAL

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1828	PENINSULA PRFSNL CNTR PHAR
1828	PENINSULA WMN'S HLTHA MED GRP
1828	PENNINSULA WOMEN'S HEALTH
1828	POWERS DIANA C DDS
1828	QUINN - CHEN DEBORAH MD
1828	RAIKE STEVEN B DDS
1828	ROOST KENNETHT MD
1828	SHEPPARD BARRY MD
1828	SILVERMAN ROBERT J DDS INC
1828	SILVERMAN ROBERT J DDS MS
1828	SIMON LEE MD
1828	STINSON NELL LEE MD
1828	TARADASH MICHAEL R MD
1828	THE INDEPENDENT
1828	UIN JERRY H DMD
1828	UNILAB QUEST DIAGNOSTICS INC
1828	WESTERLUND TERRI CNM BSN
1828	WONG DAVID G MDS DDS
1828	WOOD MICHAEL K MD
1828	WS MEDICAL INC
1838	ALPER PHILIP DR MD
1838	BUILDING
1838	CHANG JACQUELYN MD
1838	DITO ROSE MARIE MS
1838	DUDA JOHN MFCC
1838	EMOTRANS
1838	FACE USA INC
1838	FINE HOMES RE SERVICES
1838	GOLD PEGASUS
1838	GOLDEN STATE BUILDING MNTNC
1838	GOODWIN ROBERT MD
1838	HUSACK PAULA JO LMFT
1838	KEL INTERNATIONAL
1838	KHANANASHVILI KANEN NANI MD
1838	KNEAPLER DAVID AMC MD
1838	LEMI MEDICAL CENTER
1838	LEUNG ALEX PHD
1838	NELL RILEY PHD
1838	NT COMPUTING INC
1838	REALTY WORLD CONCEPT
1840	UNITD DENTAL GROUP INC
1840	YOON ANNA DDS
1841	FIRST WATCH
1842	ISHI LIMOSINE INC
1843	SEE'S CANDIES
1844	LEGACY MORTGAGE AND REALTY INC
1845	NEAL'S COFFEE SHOP
1846	BURLNG ACUPUNCTURE CLNC CNTR
1846	HOC DAC OMD CRTFD ACPNTRST
1847	PAYLESS SHOE SOURCE
1849	SOGO BAKERY
1851	FIVE A'S CAFE

Part 5 of 6

1855 BURLNG PLAZA FLORIST
1857 SUBWAY SANDWICH
1859 LEFTY'S SPORTS CARD STORE
1860 ADVANTAGE LIGHTING TECHS
1860 AIR SERV
1860 ALCOHOL & DRG HLP LNE
1860 ALCOHOL AND DRUG HELP LINE
1860 ALLARD KATHY PHD
1860 AUGUSTYN CAROLINE MD
1860 BAY AR MRI
1860 BAYSIDE PSYCHOLOGICAL SERVICES
1860 BLOCK H&R
1860 BMC DIAGNOSTICS INC
1860 BODY SYMMETRY
1860 BUILDING
1860 BYRGAN & COMPANY
1860 CHAVEZ MARCO
1860 CHINA TRAVEL CA
1860 ELM ADVISORS
1860 EMSI
1860 FAMILY STRESS SR SN MTO CO
1860 GUBERMAN - LANE DEBORAH LCSW
1860 HEALTH EXAM INC
1860 KIELY THOMAS MFT
1860 LANE - GUBERMAN DEBORAH LCSW
1860 LUXE JEWELS
1860 LUZURIAGA TAYLOR INC
1860 MENEFEE MICHAEL C PHD
1860 MIO PENINSULA SLEEP MEDICINE
1860 MORTGAGE AMERICA
1860 MRI OF BURLNG
1860 NARAYAN LAW FIRM
1860 NO LISTING
1860 NORRIS MICHAEL S MD
1860 PENINSULA PRIMARY CARE ASSOCTS
1860 PETER PAUL DENTAL LAB INC
1860 PHYSIOTHERAPY ASSOCIATES
1860 PLAYATEC
1860 PRIME TIME PAPER
1860 RAPE CRISIS SERVICE
1860 REIS BRIAN J DC
1860 SHA & COMPANY
1860 SMTO CO FMLY STRESS
1860 UNITD HEALTH CREDIT UNION
1860 VALU MAX CALIFORNIA REALTY
1860 WEISS RICHARD PHD PSYCLGST
1860 WELLSPINE CHIROPRACTIC
1860 WHELAN AILEEN MD
1861 SHAPEXPRESS
1865 STARBUCKS COFFEE
1870 AMBUS PEGGY DDS
1870 BAYSTAR SECURITY SERVICES

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SOURCE: HAINES
EL CAMINO REAL

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1870 BAYSTAR SECURITY SERVICES
1870 IFENGSHUI LLC
1870 KOO AMY
1870 PENINSULA CHRIOPRACTIC CTR
1870 PREFERSOURCE LLC
1870 PRIME PACIFIC GLOBAL MNG CORP
1870 TEAMWORK TRAVEL SERVICES
1871 LONGS DRG MAIN STORE
1871 LONGS DRG PHOTO DEPT
1871 LONGS DRG PRSCPTN DEPT
1876 BURLNG 76
1876 PRO - SMOGS
1881 FONG PAMELA J OD
1883 HOLIDAY CLEANERS OF AMERICA
1887 UNION BNK OF CA BURLNG OFC

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2006 TROUSDALE DRIVE

SOURCE: HAINES

1100 ALCARARK G
1100 BURLING NRSNG CNTR
1100 BURLNG HEALTHCARE CENTER
1100 BUTTELL JUDY
1100 FRANCES HARTHUN
1100 GOMEZ LUZ
1100 HARDIN DIANE J
1100 HASHEMI FROUGH
1100 LOESCH LILA
1100 MENSING DANIEL
1100 NO LISTING
1100 O'CONNOR MARGARET
1100 PIERCY MARGARET
1100 RIVERA FERNANDO
1100 SINGH SURUG
1515 CHAN RICCI DMD
1515 NADELL ANDREW T MD
1520 HAPPY CHEF
1560 LUX CLEANERS

2001 EL CAMINO REAL

SOURCE: HAINES

345 total records. *Part 1 of 7*

1509 MULTI TENANT RESIDENTIAL
1678 XXXX
1720 ALLEN BRUCE L MD
1720 BAUCE GENE K MD
1720 BAUMANN DIRK S MD
1720 BENNER NORTON A MD
1720 BURLNG DIALYSIS CENTER
1720 COOPER KIM HD PC
1720 DENNIS HAROLD S MD
1720 EMMOTT R CAMERON MD
1720 FOX COLIN MD
1720 GANDHI RAJU H MD
1720 GRAVEN SUSAN MSN CNM
1720 JACOBS ROBERT MD
1720 KASUGA ALBERT A MD
1720 LEE CHRISTINE A MD
1720 LIU VICTOR MD FACS
1720 LIU VICTOR MD FACS
1720 MAASH LAURIE YANG MD
1720 METKUS ANDREAP MO
1720 MIDPENINSULA MEDICAL GAP INC
1720 MILLSPNSLA HLTH
1720 MILLSPNSLA HLTH
1720 MILLSPNSLA HLTH RDLGY CNCS
1720 MULTI TENANT PROFESSIONAL
1720 NICHOLS DONALD B ¿D
1720 NO LISTING
1720 OCPTNL HLTH
1720 OUTPTNT LABS
1720 PARSONS DIANA MD
1720 POLLACK ANNA MO
1720 PRACTICE MANAGEMENT SYSTEMS
1720 PRACTICE MANAGEMENT SYSTM INC
1720 ROCKRIDGE HEALTHPLAN
1720 ROLAND AARON M MD
1720 SENIOR FOCUS
1720 SHAPIRO DEBRA MD INC
1720 STAFFADMIN SYSTEMS
1720 STRELKOFF KATHERINE MD
1720 SURGICAL ASC PNNSLA MED GROUP
1720 TAN JEFFREY TG MD
1720 UINQUIST PAUL R MD
1720 UNIFIED MED CLNCS PNNSLA
1720 WERTMAN SUZANNE CNM
1720 WONG RANDOLPH W MD
1730 XXXX
1740 XXXX
1750 A COMPLETE CARE GASTRO PRACTCE
1750 ARANEDA LUIS E
1750 ASA LUCY S OD
1750 BAR THEODORE C MD
1750 BART COUREZAAC MD`S
1750 BENDER MICHAEL D MD

Part 2 of 7

1750	BERN BRUCE H MD
1750	BET CLAUDIO MD FAMILY PRACTICE
1750	BOSWORTH ARTHUR MD FLY PACTCE
1750	BUILDING
1750	COHEN ARTHUR B DOS
1750	COHEN MICHAEL S MD
1750	COLLOW KARENS OD
1750	CONNOLLY JOHN A MD
1750	ELUSTON ROBERTA MD
1750	FILER ROBERT STEPHEN MD
1750	FRIEDMAN EMANUEL MD
1750	GASTROENTEROLOGY CONSULTANTS
1750	GRADINGER GILBERT P MD
1750	HAABAND NEWTON MD INC
1750	HAIR TRANSPLANT CENTER
1750	HAYNEL RICHARD MD
1750	HOFFMAN ROBERTS MD
1750	INST OF PHYSICAL REHAB
1750	IZZO JOSEPH L MD
1750	KATZ IRVINGL MD
1750	KAY DONALD M MD
1750	KELLER KAREN L MD
1750	LAPINS NIKOLAJS A MD
1750	LIN WENDY K OD
1750	MA HELEN K OD
1750	MADOALENA MICHAEL A MD
1750	MEDICAL CENTER PHARBURLINGAME
1750	MILLER CATHERINE A MD
1750	MOOMJIAN RICHARD A DDS
1750	NO LISTING
1750	OPTICAL 102 PENINSULA DERMATOLOGY MED GRP
1750	OPTICAL BOUTIQUE
1750	PENINSULA PLSTC SAGRY MED GRP
1750	PERLSWEIG MARK S MD
1750	PITLYK PAUL J MD
1750	ROSENBERG ANDREW G MD
1750	ROSENBERG MARK E MD
1750	ROSENFELD LORNE K MD FACS
1750	SEVENTEEN FIFTY MDCL CT PHAR
1750	SMITHKLINE BEECHAM CLNCL LABS
1750	SUGARMAN DAVID MD INC
1750	TELFER ROBT B MD
1750	YOUNG CYNTHIA M DDS
1750	YOUNG LAWRENCE E DDS
1766	XXXX
1776	XXXX
1783	23 HOUR CRISIS SERVICE
1783	BUILDING
1783	LIFEUNE PENINSULA HOSPITAL
1783	MILLSPNSLA HLTH ADMITTING
1783	MILLSPNSLA HLTH ASSIST U
1783	MILLSPNSLA HLTH AUXLRY

2001 EL CAMINO REAL
SOURCE: HAINES

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1783	MILLSPNSLA HLTH BHVRL HLTH
1783	MILLSPNSLA HLTH CRDC REHAB
1783	MILLSPNSLA HLTH EMER OPT
1783	MILLSPNSLA HLTH FITNESS CNTR
1783	MILLSPNSLA HLTH FOOOSNTRTN SV
1783	MILLSPNSLA HLTH LAB
1783	MILLSPNSLA HLTH LFLNE
1783	MILLSPNSLA HLTH MNTL HLTH SRV
1783	MILLSPNSLA HLTH MTANTY
1783	MILLSPNSLA HLTH MTRNTY ED
1783	MILLSPNSLA HLTH NTRTN CXSLG
1783	MILLSPNSLA HLTH PHAR
1783	MILLSPNSLA HLTH PRSNL EMP
1783	MILLSPNSLA HLTH PTNT ACCT SV
1783	MILLSPNSLA HLTH PTNT RLTNS
1783	MILLSPNSLA HLTH RDLGY & X - RAY
1783	MILLSPNSLA HLTH RSPATRY CA
1783	MILLSPNSLA HLTH SENIOR FCS
1783	MILLSPNSLA HLTH SURGERY CNTA
1783	MILLSPNSLA HLTH TEL MED INF
1783	MLLSPNSLA HLTH AUDLGY
1783	MLLSPNSLA HLTH CRDLGY
1783	MLLSPNSLA HLTH PRCHSNG
1783	MULLSPNSLA HLTH VOC ASSESSMNT
1783	MULSPNSLA HLTH PHYS THRPY
1783	NOWAKOWSKI VALERIE MO
1783	PENINSULA HEALTH CARE DIST
1783	UNITD HEALTH CREDIT UNION
1783	WELLER STEPHEN A MD
1791	BLOOD BANK PENINSULA
1791	BLOOD CENTERS OF THE PACIFIC
1800	XXXX
1801	DJ CUSTOM JEWELRY
1801	PAN AMER BK SFB PENINSULA OFCS
1803	A TAN FOR ALL SEASONS
1803	HOOVER COMPANY THE
1803	TAN FOR ALL SEASONS
1804	XXXX
1805	ALTERATIONS TO GO
1805	ROOBIK S CUT
1805	ROOBIK'S CUT
1805	RUBIK'S CUBE
1807	PETS ARE US
1809	ICE CREAM CAFE
1810	XXXX
1811	BRITTON W J&CO
1811	CLASSIC CLEANERS
1811	DIAMOND HEIGHTS REALTY CO
1813	, BUILDING
1813	ALLSTATE INS SALES OFFICE
1813	BAKKER LAURIE BOOKKEEPING SERV
1813	COLONIST

Part 4 of 7

1813	DURAZZO PAUL
1813	FRANCO AND ASSOCIATES
1813	GARBAN FERRARI ANNA MARIE MFT
1813	MAGNETIC FASHIONS
1813	MERCURY INTL SALES&SV
1813	ROORIGUEZ LOUISJ CPA
1813	SPG TEXTILES CO
1813	WONG MELINDA
1815	ADVERTSNG DISPLAY SYSTEMS
1815	BEAUTY ISLAND
1815	EXPENSE REDUCTION SERVICES
1815	FARMERS INS AGENT
1815	GARY JINS
1815	HICKS REALTY & MORTGAGE
1815	SUN PHILATELICS AUCTIONS
1815	VANGERSBERGEN
1817	XXXX
1818	LEE METZI
1819	AMER BULL BAR&GRILL
1819	VENTURELLI FRANK
1821	XXXX
1825	FALLETTI FOODS
1825	STEVE S BURLINGAME DELI&CTRNG
1828	ANTI AGING MEDICINE
1828	BAYAR DESIGN&ENGINEERING
1828	BLANCHARD JANS L RNC NP CNN
1828	BOUTIQUES VILLAGER
1828	BUILDING
1828	BURLING PACIFICA MEDICAL GROUP
1828	COHEN HOWARD A MD BRLNGME OFC
1828	CORLEY CAROL ARN NP MS
1828	DYER LISA L MO MPH
1828	EL CAMINO HEARING CENTER
1828	ENQUIRER BULLETIN
1828	FONG SHIRLEY OD
1828	FOSTER CTY PROGRESS
1828	HO WILLIAN C DOS
1828	INDEP NEWSPAPER GROUP
1828	INICOFFEE SHOP
1828	KWONG SUSAN M DOS
1828	MAHLSTEDT PEGGY PA BS
1828	MAKAREWYCZ BOHDAN A MD FACS
1828	MILLBRAE SUN
1828	MILLER DOUGLASH DDS
1828	MILLIKEN SCOTT W DDS MS
1828	MILLS PNSLA HLTH OUTPTNT RDLGY
1828	MULTI TENANT PROFESSIONAL
1828	MULTI TENANT PROFESSIONAL
1828	NET USA
1828	NIEBERDING PAULN MD FACS
1828	PENINSULA ALLRGY ASC
1828	PENINSULA EAR NOSE

2001
SOURCE: HAINES
EL CAMINO REAL

Part 5 of 7

1828	PENINSULA FAMILY SMILE CARE
1828	PENINSULA PRFSNE CNTR
1828	PENINSULA PRFSNL CNTR PHAR
1828	PENINSULA VASCULAR SRGRY ASSOC
1828	PENINSULA WMNS HLTHA MED GRP
1828	POWERS DUANEC DOS
1828	PRENER GERALDF DOS PRO CORP
1828	PYKA WALTEA A MD
1828	RAKE STEVEN B DOS
1828	ROOST KENNETHT MD INC
1828	SANMTO ORTHOPEDIC MDCL GRP INC
1828	SCHEIKOWITZ JAY MORDLGY CLNC
1828	SOLOMON SYLVIA REALTY OFC
1828	UNILAB PATIENT SV CT
1828	VINCINTI USA M RN CNN
1828	WEST BAY ORTHPDC MED GROUP NC
1828	WESTERLUND TEARI CNN BSN
1830	XXXX
1835	XXXX
1838	ALPER PHILIP MO MED CORP
1838	BUILDING
1838	CALTECH ELECTRO CO
1838	DUDA JOHN MFCC
1838	EMO - TRANS
1838	GOLDEN STATE BUILDING MNTC INC
1838	KEL INTERNATIONAL
1838	LEUNG ALEX PHD
1838	NT COMPUTING INC
1838	PAC RIM CONNECTIONS
1838	STAFF BUILDERS HOME HLTH CARE
1838	TSOPPULLAR MANGSO PHD
1838	WINDS EXPRESS INC
1840	CROCI JEANNE
1840	SHEILA FLAIR FOR HAIR
1841	VENTURE FRANK
1842	IMMAGINE BEAUTY
1842	KOREAN SUNDAY NEWS THE
1842	PENISULA CHINESE ALLNCE CH OFC
1843	SEE'S CANDIES
1844	KAPUR MIKE
1845	BENS COFFEE SHOP
1845	MUSICH STEVE
1846	BURLING ACUPUNCTURE CLINIC CNTR
1846	HOC DAC OMO CRTFD ACPNTST
1847	HIT OR MISS
1848	XXXX
1849	JIL'S PATISSERIE
1850	XXXX
1851	FIVE A'S CAFE
1855	BURLING PLAZA FLORISTDECORATOR
1857	CTC SKIN CARE&GIFTS
1857	HAAG N HAAG

Part 6 of 7

1857 SEVEN BEAUTY INTERNATL
1859 ACE CARDS & GIFTS
1860 ADDICTION NFO& TREATMENT CNTR
1860 ADVANTAGE LIGHTING TECHS
1860 ALCOHOL ANO DRUG HELPLINE
1860 ALLAROWLLS KATHY PHD
1860 ARGENBRIGHT INC
1860 AUGUSTYN CAROLINE MD
1860 AVON TEMPORARIES
1860 AXON TEMPORARIES
1860 BALCH CHIROPRACTIC
1860 BALCH J DENNIS DC
1860 BAYSIDE PSYCHOLOGICAL SERVICES
1860 BETTER HOMES&GARDENS
1860 BLOCK H&R PREMIUM
1860 BUILDING
1860 CHAU WILLIAM DC
1860 CHAVEZ MARCO
1860 COUNTY CONSUMER LENDING
1860 CRISIS NTRYNTNISCOE PRVNTN CT
1860 DIGITAL BRIDGE
1860 EXOFFICE TECHNOLOGIES
1860 FAMILY STRESS SA SN MTO CO
1860 FERRIGNO'S CHIRO& SPORTS INJURY
1860 FONTHA GROUP
1860 GMAC PREMIER PROPERTIES
1860 GUBERMANLANE DEBORAH LCSW
1860 HLARIO MAINTENANCE CO
1860 JORDANG
1860 KOST FINANCIAL MORTGAGE CO INC
1860 LANEGUBERMAN DEBORAH LCSW
1860 MENEFEE MICHAEL C PHD
1860 NARAYAN LAW FIRM
1860 NSIGHTS OF YTH&FULYASSSTNCE
1860 PAC STAR REALTY
1860 PENINSULA PRIMARY CARE ASSOCTS
1860 PETER PAUL DENTAL LAB INC
1860 PLAYATEC
1860 PREMIER HOME LOANS
1860 PREMIER PROPERTIES
1860 PREMIER PROPERTIES GMAC
1860 RAPE CRISIS SERVICE
1860 REIS BRIAN J DC
1860 RIOGE VENTURES
1860 SIERRA PACIAC MORTGAGE CORP
1860 SMTO CO FMLY STRESS
1860 SUICIDE PRVNTN&CRSIS CT SANMTO
1860 UNITD TRANS UNION - TAS GEN CMTE
1860 UNITD TRANSPATN UNENGINEMEN
1860 VALU MAX CA REALTY
1860 VANTAGE
1860 WEISS RICHARD PHD PSYCLGST

2001 EL CAMINO REAL
SOURCE: HAINES

Part 7 of 7

1860 WELLSPINE CHIROPRACTIC
1860 WHELAN AILEEN MD
1860 WILLS KATHY PHD
1861 XXXX
1863 ACE HARDWARE BURLINGAME PLAZA
1863 RUG DR RENTS
1868 XXXX
1870 AMBUS PEGGY DOS
1870 BERNSTENEVLESHIN LAW OFFICE
1870 BUILDING
1870 CHEUNG RICHARD JDC
1870 FAMILY SY AGCY SANMTO ADMIN
1870 FENGSHUI LLC
1870 FERRANG TONI MS RD COE
1870 FINNEGAN JAMES E
1870 INTGRTV HEALTH CARE CENTER
1870 KOO AMY
1870 MCMAHON LINDA KEA
1870 MULTI TENANT PROFESSIONAL
1870 PENINSULA CHRIOPRACTIC CTR
1870 PREFERSOURCE UC
1870 PRIME PACIFIC GLOBAL MNG CORP
1870 WONG SHIRLIN DC
1871 LONGS DAG PHOTO DEPT
1871 LONGS DRG MAIN STORE
1871 LONGS DRG PRSCPTN DEPT
1876 JOE'S UNOCAL 76 AUTO REPAIR
1881 FONG PAMELA J OD
1881 FONG VALERIE J OD
1881 LEE DARREN 00
1883 HOLIDAY CLEANERS OF AMERICA
1887 UNION BANK OF CA NEW ACCNT

2001 TROUSDALE DRIVE

SOURCE: HAINES

1018 XXXX
1100 BLACKFORD G
1100 BURLING NASNG CNTR
1100 CARDONE THERESA M
1100 FRETTE EMEST M
1100 GREEN M K
1100 HEALTH SERVICES SWANSON FLORINE
1100 HUNG HOK
1100 LESTER HAROLD
1100 NO LISTING
1100 QUILL DOROTHY
1100 ROMANO GERMAN LOPEZ
1100 SPRIGGS BETTY
1100 SUNBRIDGE CRE & REHAB FOR BURLNG
1100 SUNPLUS HOME
1111 BURL CTY POLICE BUSINESS
1111 POLICE DEPT BUSINESS CALLS
1515 ASSIST U
1515 BUILDING

1996 EL CAMINO REAL

SOURCE: HAINES

425 total records. *Part 1 of 9*

1457 XXXX
1459 XXXX
1461 CARBULLIDO GREGORY
1469 DONNALLY ANDREW V
1469 NAGASAWA KIMBERLY
1471 MULTI TENANT RESIDENTIAL
1479 TAYLOR NARVALEE
1490 XXXX
1501 XXXX
1509 MULTI TENANT RESIDENTIAL
1676 JOES UNOCAL 76 AUTO
1720 A BEAU JEU CLNC
1720 BENNER NORTON A MD
1720 BENNER ROBERT B MD
1720 BOSWORTH ARTHUR MD
1720 BRUCE GENE K MD
1720 BUILDING
1720 BURLNG DIALYSIS CTR
1720 DENNIS HAROLD S MD
1720 DIEFENDORF DIRK ND
1720 EMMOTT R CAMERON MD
1720 FAMILY MDCL CLNC
1720 FAMILY MED CLNCS
1720 FOX COLIN MD
1720 HANSEN JAMES R MD
1720 HURST STEPHEN S MD
1720 INTL REHBLTN INST
1720 KASUGA ALBERT R MD
1720 LEAVITT SAMUEL R MD
1720 LINQUIST PAUL R MD
1720 LIU VICTOR MD FACS
1720 MARCUS HUBERT C
1720 MARSH LAURIE Y MD
1720 MIDPNSLA MDCL GRP
1720 NEUMAYR THOS G DR
1720 NICHOLS DONALD B WD
1720 ORTHOPAEDIC & SPORTS
1720 PENINSULA EYE MDCL
1720 PENINSULA EYE OPTCL
1720 PERTSCH JAMES L MD
1720 PRACTICE MNG SYS
1720 PRACTICE MNG SYSTMS
1720 RICHARDTORKE PAM MS
1720 ROCKRIDGE HEALTHPLN
1720 ROLAND AARON M MD
1720 SCHWARTZ ARIAH DR
1720 SENIOR FOCUS
1720 SHAPIRO DEBRA MD
1720 SMALL HARVEY C MD
1720 STAFF ADMIN SYS
1720 STRELKOFF K MD
1720 SURGICAL ASC
1720 TAN JEFFREY T G MD

Part 2 of 9

1730 XXXX
1740 XXXX
1750 ASAI LUCY S OD
1750 BAIZ THEODORE C MD
1750 BERN BRUCE H MD
1750 BRISKIN JONATHAN MD
1750 BROWNELL ROBT D MD
1750 BUILDING
1750 COHEN ARTHUR B DDS
1750 COHEN MICHAEL S MD
1750 COLLOM KAREN S OD
1750 ELLISTON ROBERT MD
1750 GRADINGER G P MD
1750 HANSON CARL L MD
1750 HARBAND NEWTON I MD
1750 HAYNE L & IRVING L MD
1750 HAYNEL RICHARD MD
1750 HOFFMAN ROBERT S MD
1750 IZZO JOSEPH L MD
1750 KATZ IRVING L MD
1750 KAY DONALD M MD
1750 MADDALENA MICL A MD
1750 MEDICAL CNTR PHAR
1750 MILLER CATHERINE MD
1750 MOOMJIAN RICHD DDS
1750 NEUROSURGICL SPCLST
1750 OMURCHU BRIAN MD
1750 OPTICAL BOUTIQUE
1750 PENINSULA SRGRY GRP
1750 PERLSWEIG MARK S MD
1750 PITLYK PAUL J MD
1750 PLANNED PRNTHD CLNC
1750 POSNICK JACK MD
1750 ROSENBERG ANDREW MD
1750 ROSENFIELD LORNE MD
1750 RYAN COLMAN MD
1750 SEVENTEEN FIFTY MED
1750 SILVERMAN ROBT DDS
1750 SMITHKLINE BEECHAM
1750 SUGARMAN DAVID I MD
1750 TELFER ROBT B MD
1750 YOUNG LAWRENCE DDS
1750 ZIPKIN ROBERT E MD
1766 BERNING RANDALL K
1766 BORELLO BRUNO
1766 BRIZZOLARA A E ATTY
1766 BUILDING
1766 CLASSIC BLOG MNTNC
1766 DMC REAL ESTATE
1766 INSTITUTO FAMILIAR
1766 LIBERTY MRTG INYSTS
1766 MAYFLOWER CNTRCT SY

1996
SOURCE: HAINES
EL CAMINO REAL

Part 3 of 9

1766 MUZZI VINCENT ATTY
1766 POPLAR CENTER
1776 XXXX
1783 24HR CRISIS SERV
1783 BUILDING
1783 CENTER ASSMNT & RFRRL
1783 LIFELINE PENSLA HSP
1783 MILLS HOSP SRGRY CT
1783 MILLSPNSLA ADMTTNG
1783 MILLSPNSLA AUXILRY
1783 MILLSPNSLA CARDIAC
1783 MILLSPNSLA CHEM SV
1783 MILLSPNSLA CRDLGY
1783 MILLSPNSLA EMGRNCY
1783 MILLSPNSLA INFO
1783 MILLSPNSLA LAB
1783 MILLSPNSLA LIFELNE
1783 MILLSPNSLA MNT SV
1783 MILLSPNSLA PHAR
1783 MILLSPNSLA PRCHSNG
1783 MILLSPNSLA RADLGY
1783 MILLSPNSLA REHAB
1783 MILLSPNSLA RSPRTRY
1783 MILLSPNSLA SOCL SV
1783 MILLSPNSLA SURGERY
1783 MILLSPNSLA THRPY
1783 MILLSPNSLA VOC
1783 MILSPNSLA LAB
1783 PENINSULA HSP
1783 PENINSULA HSP ADMTG
1783 PENINSULA HSP AUXLY
1783 PENINSULA HSP CARE
1783 PENINSULA HSP CRDC
1783 PENINSULA HSP CRDIO
1783 PENINSULA HSP DRUG
1783 PENINSULA HSP EDUC
1783 PENINSULA HSP EMPLY
1783 PENINSULA HSP ENER
1783 PENINSULA HSP FINDR
1783 PENINSULA HSP HLTH
1783 PENINSULA HSP INFO
1783 PENINSULA HSP INJRD
1783 PENINSULA HSP LAB
1783 PENINSULA HSP LFLNE
1783 PENINSULA HSP NRSNG
1783 PENINSULA HSP PHAR
1783 PENINSULA HSP PURCH
1783 PENINSULA HSP RLTNS
1783 PENINSULA HSP SNR
1783 PENINSULA HSP SOCL
1783 PENINSULA HSP SPCH SRGRY
1783 PENINSULA HSP THRPY

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1783 PENINSULA HSP VOC
1783 PENINSULA HSP VSCLR
1783 PENINSULA HSP XRAY
1783 UNITD HLTH CRDT UN
1791 BLOOD BNK PENINSULA
1800 XXXX
1801 OLEG CLOCK & WTCH RPR
1801 OLEG WATCH & CLCK RPR
1801 OLEGS JEWELERS
1801 PAN AMER SAVNGS BNK
1801 PERFECT PEARL STRNG
1803 A TAN FOR ALL SSNS
1803 TAN FOR ALL SEASONS
1804 XXXX
1805 ALTERATIONS TO GO
1805 ROOBIKS CUT
1805 RUBIKS CUBE
1805 RUBIKS CUT
1807 XXXX
1809 ICE DREAM CAFE
1810 XXXX
1811 BRITTON W J & CO
1811 CLASSIC CLEANERS
1811 DIAMOND HEIGHT RLTY
1813 AGOSTINI & ASSOCS INC
1813 AIRPORT TRVL SV
1813 BAKKER LAURIE BKKPG
1813 BURLNG PLZ SHPPG CT
1813 BURLNG PLZ TRAVL SV
1813 GARBANANNA M MFCC
1813 LANE ELDEN E CPA
1813 MAGNETIC FASHIONS
1813 MERCURY INTL SLS & SV
1813 MERCURY TRVL SRV
1813 PAL INVESTMENT CORP
1815 ENDRES THOMAS INS
1815 FARMERS INS AGENT
1815 VANGIERSBERGEN G J
1815 VANGIERSBERGEN P F
1817 XXXX
1818 XXXX
1819 MR KS BAR & GRILL
1819 MR KS CABARET
1821 XXXX
1825 PETRINIS BRLNGME
1825 STEVES BRLNGM DELI
1828 BEATTIE GEO MD INC
1828 BELFER HOWARD MD
1828 BENDER MICHAEL D MD
1828 BENSON PETER P MD
1828 BLAHUT ROBERT J MD
1828 BLANCHARD J RNC NP

1996
SOURCE: HAINES
EL CAMINO REAL

Part 5 of 9

1828 BUILDING
1828 BURLNG PACIFICA MED
1828 CAPLIN ABIGAIL B MD
1828 COHEN HOWARD A MD
1828 CORLEY C A RN NP MS
1828 COWAN MICHAEL N MD
1828 CYTOPATH LABORATORY
1828 DARLING RICHARD MD
1828 DIRKSEN LWRNCE J MD
1828 DRUMMONDHAY L K MD
1828 DURAN PAULA RN CNM
1828 DYER LISA L MD MPH
1828 FINNESEY KEVIN S MD
1828 FISHER HERBERT M MD
1828 FONG SHIRLEY OD
1828 FRIEDMAN EMANUEL MD
1828 FROHMAN RICHARD MD
1828 FROKER LOWELL D MD
1828 GASTRNTALGY CNSLTNT
1828 GIROLAMI MICHL H MD
1828 GLICKMAN JOSEPH MD
1828 GOLDSCHLAGER A W MD
1828 GORIN EDWARD F MD
1828 GROVE NED M MD
1828 HAZELRIG PAUL JR MD
1828 HEWITT JOSEPH A MD
1828 INI COFFEE SHOP
1828 JOHNSON BRIAN L MD
1828 JUROW ANDREW H MD
1828 JUROW HARRY N MD
1828 KARDOS LESLIE S MD
1828 KASEFF LEONG MD
1828 KENNER GERALD B MD
1828 KIM LESLIE M MD
1828 KIRSCHNER BRUCE MD
1828 LIN JERRY H DMD INC
1828 LUI FRED Y H MD
1828 MAKARE WYCZ B A MD
1828 MARCUS DAVIDS
1828 MARTUSCELLO S RNC
1828 MILLER BETTY MD
1828 MILLER DOUGLAS DDS
1828 MILLIKE S W DDS MS
1828 MILLSPNSLA OUTPTNT
1828 MULLIN T J MD
1828 NADELL ANDREW T MD
1828 NELSON RICHARD A MD
1828 NIEBERDING PAUL MD
1828 NORRIS MICHAEL S MD
1828 PATHLAB SPECIMEN
1828 PEDERSON VARK N MD
1828 PENINSULA ALLERGY

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1828 PENINSULA PRO CNTR
1828 PENINSULA PRO PHAR
1828 PENINSULA VSCLR SRG
1828 PENINSULA WMN HLTH
1828 PENINSULA WMN HLTH
1828 PLASTIC SRGRY
1828 PREINER GERALD DDS
1828 RAIKE STEVEN B DDS
1828 RIBERA ERNEST F MD
1828 ROOST KENNETH T MD
1828 ROSENBERG MARK E MD
1828 ROZKALNS BAIBA MD
1828 SANGANO OPTCL MDCL
1828 SANMTO ORTHPDC MDCL
1828 SCHEIKOWITZ JAY MD
1828 SCRIBNER ROBERT MD
1828 SEQUOIA ORTHPOC ASC
1828 SIEGEL MICHAEL MD
1828 SOLOMON SYLVIA RLTY
1828 STACY GILBERT S MD
1828 STEPHENSON WM N MD
1828 STINSON NELL LEE MD
1828 SYDORAK GERALD R MD
1828 TARADASH MICHAEL MD
1828 TAWES ROYL JR MD
1828 ULLYOT DANIEL J MD
1828 WAHLSTEDT PEGGY BS
1828 WEKSELMAN REUBEN MD
1828 WEST BAY ORTHPDC
1828 WILSON JOHN S JR MD
1828 ZACHARIA ALAN G MD
1828 ZIN IRWIN D MD
1830 XXXX
1835 XXXX
1838 ADLER SUSAN MD
1838 ALPER PHILIP MD
1838 BUILDING
1838 CARNEY THOS R WD
1838 CURRY GORDON A MD
1838 DOYLE OWEN P MO INC
1838 DUOA JOHN WFCC
1838 ENO TANS
1838 EVOTRANS
1838 GOLDEN ST BLDG WNTC
1838 HARLAN CAROLYN PHD
1838 HERSHEY W MD INC
1838 INFINITI PLUS ONE
1838 KEL INTERNATIONAL
1838 KOPECKY FRANK A MD
1838 LEUNG ALEX PHO
1838 PAC RIM CONNECTIONS
1838 SCHONWALD G MD

1996
SOURCE: HAINES
EL CAMINO REAL

Part 7 of 9

1838 WINDS EXPRESS INC
1838 WOOLF ANY J MD
1838 WOOLF LINDSEY R MD
1840 MARIE AT FLR FOR HR
1840 SHEILAS FLR FOR HR
1841 PAC BANK THE
1842 BURUNG TRAVEL BUR
1843 SEES CANDIES
1843 SEES CNDS BRLNGME
1844 HELENS ALTERATIONS
1845 BENS COFFEE SHOP
1846 BURUNG ACPNCTR CLNC
1846 HOC C DAC OMD
1847 HIT OR MISS
1848 XXXX
1849 JILS PATISSERIE
1850 XXXX
1851 RONALDOS DLCTSN
1851 RONALDOS PIZZA
1855 BURLNG PLZA FLORIST
1857 HAAG N HAAG
1859 XXXX
1860 ADVANTAGE TCHNLGS
1860 ALCOHOLIDRG HLP UNE
1860 AMER NATL INS CO
1860 AMER TRUST INST INC
1860 ANTHONY R FRMRS INS
1860 ASSIST U
1860 AUGUSTYN C CMD
1860 BALKOVETZ MARY MD
1860 BROWN ASSOCIATES
1860 BUILDING
1860 CENTEX FNCL MATG CO
1860 CHAVEZ MARCO
1860 CRISIS INTERVENTION
1860 DONLON WW COMD
1860 FERRIGNOS CHIRO
1860 FONTHA GROUP
1860 FRIED DARRYL S
1860 FUTUREKIDS CMPTR
1860 GOLDEN KEY REALTY
1860 GUBERMANLANE D LCSW
1860 HEALTHCARE PRDCTS
1860 HERRERA JULIO
1860 HILARIO WNTNC CO
1860 HOME SV AVRCN INS
1860 HOPE REALTY INVSTMT
1860 JORDAN GERHARD P MD
1860 KAPUR MIKE INS AGT
1860 KAUFMAN JEFFREY CPA
1860 KAUFMANICO CPAS
1860 LANEGUBERMAN D LCSW

Part 8 of 9

1860 LUGOVOY JUNE MD
1860 MENEFEE WICHAEL PHD
1860 MITCHELL ROBERT CPA
1860 MULLIKIN MDCL CNTRS
1860 NATL FINANCIAL MRTG
1860 NORMALASSOCIATES
1860 PAC STAR REALTY
1860 PENINSULA MXLLFCL
1860 PETER PAUL ONTL LAB
1860 PRIMERICA FNCL SERV
1860 PRIMERICA FNCL SERV
1860 RAND GARY D CPA
1860 RAPE CRISIS SERVICE
1860 RAULS MULTIPRPSE SV
1860 REIS BRIAN J DC
1860 REMAX REALTY GROUP
1860 ROGERS ASSOCS FNCL
1860 SHA&CO
1860 SIERRA PAC MRTG CRD
1860 SMTO CO FMLY STRESS
1860 SOR JUANA INES SVCS
1860 STREETER & ASSOCS INC
1860 SWA COMPUTERS
1860 TRUTA MARIANNE DMD
1860 UNITD TRNSPRTN UN
1860 VOICE ACCESS SYST
1860 WEISS RICHARD PHD
1860 WHELAN AILEEN MD
1860 WILLS KATHY PHD
1860 WORLD MRKTG ALNCE
1861 XXXX
1863 ACE HARDWARE
1863 RUG DR RENTS BURUNG
1868 XXXX
1870 ABNEY DENNIS J DC
1870 AMBUS PEGGY E DDS
1870 CHEN JASPER DC
1870 FAMILY SAV AGNCY
1870 HEYMANN CTHRNE J RD
1870 KLONOFF DAVID C MD
1870 KOO AMY
1870 NICHOLS INSTITUTE
1870 PENINSULA CHIRO CTR
1870 PROZAN GEORGE B MD
1870 RUSSO ANTHONY MD
1870 SENIOR CMTY SRY EMP
1870 SMILEY JAMES D DC
1870 WONG SHIRUN DC
1870 ZIGRANG WILLIAM MD
1871 LONGS DRG
1871 LONGS DRG MAIN STR
1871 LONGS DRG PHOTO

1996
SOURCE: HAINES
EL CAMINO REAL

Part 9 of 9

1871 LONGS DRG PRSCPTN
1871 LONGS DRG REFILL
1876 JOES UNOCAL 76
1881 FONG PAMELA J OD
1881 FONG VALERIE J OD
1881 STASKO KRISTINA OD
1883 HOLIDAY CLEANERS
1887 UNION BK NEW ACCNTS

1996 TROUSDALE DRIVE

SOURCE: HAINES

1100 APARTMENTS
1100 MULTI TENANT RESIDENTIAL
1100 NO LISTING
1111 BURL CTY POLICE BUS
1111 POLICE DPT BURLNOME
1111 POUCE DPT BURLNG
1515 BLANCHARD J RNC NP
1515 BUILDING
1515 BURLNG PDTRY CLNC

1991 EL CAMINO REAL

SOURCE: HAINES

415 total records. *Part 1 of 8*

. LOPEZ STOVEN A
. SMTO CO HLTH MENTL
1490 XXXX
1501 XXXX
1509 APARTMENTS
1509 MULTI TENANT RESIDENTIAL
1509 NO LISTING
1720 BENNER ROBERT B MD
1720 BOSWORTH ARTHUR MD
1720 BRUCE GENE K MD
1720 BUILDING
1720 COLUER HD MD
1720 COOK JOS V MD INC
1720 DENNIS HAROLD S MD
1720 DIEFENDORF DIRK MD
1720 EMMOTT R C MD
1720 FAMILY MEDICAL CLNC
1720 FIELDS KATHY MD
1720 FLORIO RICHARD L MD
1720 FOOD DIMENSN CAFTRA
1720 FOX COLIN MD
1720 GLOGAU RICHARD G MD
1720 HEALTHAMERICA
1720 LIU VICTOR MD FACS
1720 MID PNSLA DGNSTC SV
1720 MID PNSLA PHYSICNS
1720 MULTI TENANT PROFESSIONAL
1720 MULTI TENANT PROFESSIONAL
1720 NO LISTING
1720 NO LISTING
1720 ORTHOPDC SAGCL ASC
1720 ORTHOPOC MDCN ASCTS
1720 PENINSULA EYE MED
1720 PENINSULA SKIN CARE
1720 PERTSCH JAMES L MD
1720 PRACTICE MNG DATA
1720 PRACTICE MNG STAFFG
1720 ROCKRIDGE HEALTHPLN
1720 ROP ACUTE NURSING
1720 SENIOR FOCUS
1720 STAFF ADMIN SYS INC
1720 THORNWALL MED GROUP
1730 XXXX
1730 XXXX
1740 XXXX
1740 XXXX
1750 BUILDING
1750 BUILDING
1750 MEDICAL CENTER PHAR
1750 MILLBRAE PHARMACY
1750 MULTI TENANT PROFESSIONAL
1750 MULTI TENANT PROFESSIONAL
1750 NO LISTING

Part 2 of 8

1750 NO LISTING
1750 PENINSULA MED LAB
1750 PENINSULA NEURO ASC
1750 PENINSULA PLSTC SRG
1750 PLANNED PARENTHOOD
1766 BERNING RANDALL K
1766 BERNING RANDALL K
1766 BRIZZOLARA A E ATTY
1766 BRIZZOLARA A E ATTY
1766 D M C REAL ESTATE
1766 DMC REAL ESTATE
1766 LIBERTY MRTG INVST
1766 LIBERTY MRTG INVST
1766 MUZZI VINCENT ATTY
1766 MUZZI VINCENT ATTY
1776 XXXX
1776 XXXX
1783 ALCOHOLISMADRUG CTA
1783 ALCOHOLISMADRUG CTR
1783 BE TRIM
1783 BE TRIM
1783 BUILDING
1783 BUILDING
1783 CARDIO VASCULAR
1783 CARDIO VASCULAR
1783 LIFELINE
1783 LIFELINE
1783 MENNINGER SANFRAN
1783 MENNINGER SANFRAN
1783 MENTAL HEALTH CNTR
1783 MENTAL HEALTH CNTR
1783 MID PNSLA MED PHAR
1783 MID PNSLA MED PHAR
1783 MILLS PNSLA CHEM CT
1783 MILLS PNSLA CHEM CT
1783 MILLS PNSLA SENIOR
1783 MILLS PNSLA SNA FCS
1783 MILLS PNSLA SNR FCS
1783 NO LISTING
1783 NO LISTING
1783 OCCUPATIONAL HEALTH
1783 OCCUPATIONAL HEALTH
1783 PENINSULA HSP
1783 PENINSULA HSP
1783 PENINSULA HSP ADLGY
1783 PENINSULA HSP ADLGY
1783 PENINSULA HSP ALCHL
1783 PENINSULA HSP ALCHL
1783 PENINSULA HSP AXLRY
1783 PENINSULA HSP AXLRY
1783 PENINSULA HSP BUSNS
1783 PENINSULA HSP BUSNS

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SOURCE: HAINES
EL CAMINO REAL

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1783 PENINSULA HSP CNTA
1783 PENINSULA HSP CNTR
1783 PENINSULA HSP CRDC
1783 PENINSULA HSP CRDC
1783 PENINSULA HSP CRSIS
1783 PENINSULA HSP CRSIS
1783 PENINSULA HSP EMER
1783 PENINSULA HSP EMER
1783 PENINSULA HSP GIFT
1783 PENINSULA HSP GIFT
1783 PENINSULA HSP LFELN
1783 PENINSULA HSP LFELN
1783 PENINSULA HSP MNTL
1783 PENINSULA HSP MNTL
1783 PENINSULA HSP OCCP
1783 PENINSULA HSP OCCP
1783 PENINSULA HSP PHAR
1783 PENINSULA HSP PHAR
1783 PENINSULA HSP PRSNL
1783 PENINSULA HSP PRSNL
1783 PENINSULA HSP REHAB
1783 PENINSULA HSP REHAB
1783 PENINSULA HSP RFRAL
1783 PENINSULA HSP RFRAL
1783 PENINSULA HSP SMOKE
1783 PENINSULA HSP SMOKE
1783 PENINSULA HSP SNR
1783 PENINSULA HSP SNR
1783 PENINSULA HSP SPCH
1783 PENINSULA HSP SPCH
1783 PENINSULA HSP VOC
1783 PENINSULA HSP VOC
1783 PEOPLE PLUS PRSNNL
1783 PEOPLE PLUS PRSNNL
1783 SENIOR FOCUS
1783 SENIOR FOCUS
1783 SMOKE STOPPERS
1783 SMOKE STOPPERS
1783 UILLS PNSLA SENIOR
1783 UNITD HEALTH CA UN
1783 UNITD HEALTH CR UN
1791 BLOOD BANK PENINSLA
1791 BLOOD BANK PENINSLA
1791 PENINSULA BLOOD BNK
1791 PENINSULA BLOOD BNK
1791 PENINSULA MMRL BANK
1791 PENINSULA MMRL BANK
1801 AIRPORT TRAVEL SERV
1801 BOB A TAN FOR ALL SEASN
1801 BURLNG PLZ TRAVLSRY
1801 IMPERL FINE JEWELRY
1801 IMPERL FINE JEWELRY

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1801 MERCURY INTL SLSASV
1801 MERCURY INTL TRVLSV
1801 PAN AMER SAVINGS BK
1801 PAN AMER SAVINGS BK
1801 TAN FOR ALL SEASONS
1803 A TAN FOR ALL SEASN
1803 AIRPORT TRAVEL SERV
1803 BURLNG PLZ TRAVLSRY
1803 MERCURY INTL SLSASV
1803 MERCURY INTL TRVLSY
1803 TAN FOR ALL SEASONS
1804 XXXX
1804 XXXX
1805 ALTERATIONS TO GO
1805 ALTERATIONS TO GO
1805 BROOBIK $ CUT
1805 BROOBIK$ CUT
1805 RUBIKS CUBE
1805 RUBIKS CUBE
1805 RUBIKS CUT
1805 RUBIKS CUT
1807 BRIDAL SUITE THE
1807 BRIDAL SUITE THE
1809 ICE DREAM CAFE
1809 ICE DREAM CAFE
1810 XXXX
1810 XXXX
1811 BRITTON W J&CO
1811 BRITTON W JACO
1811 CLASSIC CLEANERS
1811 CLASSIC CLEANERS
1811 DIAMOND HGHTS RLT
1811 DIAMOND HGHTS RLTY
1813 LANE ELDEN E CPA
1813 LANE ELDEN L CPA
1813 MAGNETIC FASHIONS
1813 MAGNETIC FASHIONS
1813 MIILLS ESTATE HOMES
1813 MILLS ESTATE HOMES
1813 MILLS ESTATE RLTY
1813 MILLS ESTATE RLTY
1813 P&L INVESTMENT CORP
1813 PAL INVESTMENT CORP
1813 PORTMAN FRANK CO
1813 SPG TEXTILES CO
1815 BLANCARTE TAX&FNCL
1815 ERA OCONNOR RLTY
1815 FARMERS INS
1815 OCONNOR MORTGAGE C
1815 OCONNOR REAL ESTATE
1815 VANGIERSBERGEN GJ
1817 XXXX

1991
SOURCE: HAINES
EL CAMINO REAL

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1818 MILLS ESTATE LIQUOR
1819 MR KS CABARET
1821 XXXX
1825 PETRINIS
1825 STEVES DELIACTRG CO
1828 BEATTIE GEO C MD
1828 BELFER HOWARD MD
1828 BENDER MICHAEL MD
1828 BENSON PETER A MD
1828 BERRY WILLIAM MD
1828 BLAHUT ROBERT J MD
1828 BLANCHARD J RNC NP
1828 BROWN WW H 3D MD
1828 BUILDING
1828 BURING BREAST CNTR
1828 BURLNG DENTAL GROUP
1828 BURLNG PACIFICA MED
1828 CAPLIN ABIGAK & MD
1828 CARDIOLOGY MDCL GRP
1828 CHAN DANIEL MD
1828 CHAN MICHAEL K MD
1828 CHAN MICHAEL MD
1828 CHANG MICHAEL L MD
1828 COHEN HOWARD A MD
1828 CORLEY CAROL JANN
1828 COTCHETT CRAIG MD
1828 COWAN MICHAEL NMD
1828 CYTOPATH LAB
1828 DARLING RICHARO NO
1828 DEE HENRY OND
1828 DIRKSEN LAWRENCE MD
1828 DRUMMONDHAY LK MD
1828 FISHER HERBERT M MOD
1828 FONG SHIRLEY MD
1828 FREEDMAN CYRIL DDS
1828 FRIEDMAN EMANUEL MD
1828 FROHMAN ROCHOI MD
1828 FROKER LOWELL D MD
1828 GIROLAMI MICHAEL MD
1828 GOLDSCHLAGER A W MD
1828 GROVE NED M MD
1828 GUICKMAN WD CORP
1828 HARTZ DAVID OC
1828 HAZELRIG PAUL JA MD
1828 HEWITT JOSEPH A MD
1828 HEYMANN CJ RD
1828 HILL MALCOLM CMD
1828 HOWARDSMITH L RN
1828 HWANG RONALD T DMD
1828 IINI COFFEE SHOP
1828 IVERSON CAROLINE DC
1828 JJUROW HARRY N MD

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1828 JOHNSON BRIAN LMD
1828 JUROW ANDREW HMD
1828 JUROW COTCHETT MDCL
1828 KASEFF LEON G MD
1828 KENNER GERALD MD
1828 KIRSCHNER BRUCE WD
1828 KLONOFF DAVID C MD
1828 LABORATORY SERVICES
1828 LUI FRED Y MD
1828 MAKAREWYCZ B AMD
1828 MID PENSLA BCX CLNC
1828 MILLER BETY MD
1828 MILLER DOUGLAS DOS
1828 NADELL ANDREW TWO
1828 NELSON RICHARD AND
1828 NEUROLOGICAL MDCL
1828 NIEBERDING PAUL MD
1828 NORRIS MICHAEL SMO
1828 OTTER THOMAS AND
1828 PEDERSON MARK N MD
1828 PENINSULA ALLERGY
1828 PENINSULA PROF CNTR
1828 PENINSULA PROF PHAR
1828 PENINSULA SRGRY ASC
1828 PLASTIC SURGERY GR
1828 PREINER GERALD DDS
1828 PROZAN GEORGE B MD
1828 RABBINO MICHAEL MD
1828 RADIOLOGY INGNG ASC
1828 RAIKE STEVEN B DDS
1828 RIGHT DIRCTN CNSLNG
1828 ROOST KENNETH TWO
1828 ROSE ELLIOTT H WD
1828 ROSENBERG MARK E MD
1828 ROSENMAN JOHN E MD
1828 ROSENZWEIG WN MD
1828 RUSSO ANTHONY MD
1828 SANMTO ORTHOPDC MED
1828 SANMTO RDL GY GROUP
1828 SCHEIKOWITZ JAY WD
1828 SCHEIKOWITZ K LNFCC
1828 SEIDENWURM DJ MD
1828 SHELUB IRWIN MD
1828 SIEGEL MICHAEL MO
1828 SOLOMON SYLYLA ALTY
1828 STACY GILBERT SMO
1828 STEPHENSON WM N MD
1828 STINSON NELL LEE MD
1828 STUTCH REUBEN MD
1828 SYDORAK GERALD MD
1828 TARADASH MICHAEL MD
1828 TAWES ROYL JR WD

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SOURCE: HAINES
EL CAMINO REAL

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1828 TERSHAKOWEC M MD
1828 ULLO ROBT L NO
1828 ULLYOT DANIEL J MD
1828 WEKSELMAN REUBEN MO
1828 WILSON JOHN S JR VD
1828 WONG RONALD T DMD
1828 WOOD MICHAEL K MD
1828 ZIGRANG WILLIAM MO
1828 ZIM IRWIN D MD
1830 XXXX
1835 XXXX
1838 AIR NETWORK TRAVEL
1838 ALPER PHILIP MD
1838 BUILDING
1838 CARNEY THOMAS R MD
1838 CHILD CARE COORONTO
1838 CHILD CARE COUNCIL
1838 CURRY GORDON W MD
1838 DEALER EXCHANGE
1838 DOYLE OWEN PWD
1838 DUDA JOHN MFCC
1838 EMO TRANS
1838 EMO TRANS
1838 GIANARIS CHAS MD
1838 GOLDEN ST BLDG MNTC
1838 HARLAN CAROLYN PHD
1838 HERSHEY WM MD INC
1838 HOGAN EDW J JR MD
1838 JONES WILLIAM ATTY
1838 K EL INTERNATIONAL
1838 KAMER FRZN FOOD INST
1838 KOPECKY FRANK A MD
1838 NORRELL HEALTH CARE
1838 SCHONWALD G UD INC
1838 SIMMONS DA MFCCI
1838 UPSHER MICHAEL SMD
1838 WINDS EXPRESS INC
1838 WOOLF AMD PRFSNL
1838 WOOLF LINDSEY R MD
1840 MR L COIFFURES
1841 WESTRN FED SYNG & LN
1842 BURLNG TRAVEL BUR
1842 PRICE COMPUTER SERY
1843 SEES CANDIES
1844 PRUDENTIAL INS
1845 PATS COFFEE SHOP
1846 MERIS UD LTD
1847 HIT OR MISS
1848 XXXX
1849 SUGARN SPICE BAKERY
1850 XXXX
1851 RONALDOS DEL

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SOURCE: HAINES

EL CAMINO REAL

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1851 RONALDOS PIZZA
1855 BURUNG PLZA FLORIST
1857 HAAG N HAAG
1859 SHAW MELVIN KLLMRK
1860 AMERIMAC SIERRA PAC
1860 BOBROW JOSEPH PHD
1860 BROTHERS JOYCE MFCC
1860 BUILDING
1860 COHEN BARBARA MD
1860 DITO LOUIS ACCTNCY
1860 DONLON WILLIAM DMD
1860 FERRIGNOS CHIRO CTR
1860 FRIED DARRYL S
1860 JORDAN GERHARD P MD
1860 KART JOYCE BROTHERS
1860 KAUFMAN JEFFREY CPA
1860 LONG ROBERT AL EST
1860 MILUKEN SCOTT DDS
1860 MITCHELL ROST A CPA
1860 PAC STAR REALTY
1860 PENINSULA MAXILLFCL
1860 TRUTA MARIANNE DMD
1860 TUNITO TRANSPATN UN
1860 UNITO TRANSPATN UN
1860 WEISS RICHARD PHD
1861 XXXX
1863 ARE HAROWARE
1863 RUG DA RENTS BURL
1868 XXXX
1870 FAMILY SERV AGENCY
1870 FAMILY SERV AGENCY
1870 GARIFFO RONALD J DR
1870 HALPERN MARC DC
1870 MOTZ ROBERT B DC
1870 P A R C A
1870 PAC CHIROPRACTIC CT
1870 PENINSULA ASC RETRD
1870 PENINSULA CHIRO CTR
1870 R A PLANNING
1870 SENIOR CUNTY SV EMP
1870 SPECIAL OLYMPICS
1871 LONGS DRG MAIN STR
1871 LONGS DRG PHOTO
1871 LONGS DRG PRSCPTN
1876 JOES UNOCAL 76
1879 SMITH ROBERT A
1881 FONG PANELA J OD
1881 STASKO KRISTINA OD
1883 HOUDAY CLEANERS
1887 UNION BANK

1991
SOURCE: HAINES

TROUSDALE DRIVE

1100 APARTMENTS
1100 BURLNG CNVLSNT HOSP
1100 CAREWEST BURLINGAME
1100 MULI TENANT RESIDENTIAL
1100 NO LISTING
1111 BURL CTY POLICE BUS
1111 POLICE DEPT
1515 BUILDING
1515 BURLNG PODIATRY
1515 EISENKOP SCOTT M MD
1515 HALES DONALD R MD
1515 HEALY FRANCIS A MD

243 total records. *Part 1 of 5*

.	BURLNG CHEVRON
6	MAYES CLAY B
1506	BEVERLYS FLOWER CRT
1509	APARTMENTS
1509	MULTI TENANT RESIDENTIAL
1509	NO LISTING
1720	BUILDING
1720	MULTI TENANT PROFESSIONAL
1720	NO LISTING
1720	ONLINE 3000
1720	PENINSULA HEALTH
1720	PRACTICE MNG SYSTMS
1720	ROCK RIDGE HEALTHPLN
1730	XXXX
1740	XXXX
1750	ASAI LUCY S OD
1750	BALZ THEODORE C MO
1750	BREWSTER H P MO
1750	BROWNELL ROBT D MD
1750	BUILDING
1750	COHEN ANTHUR S DDS
1750	COHEN MICHAEL S MD
1750	DIALYSIS ASSOCIATES
1750	MULTI TENANT PROFESSIONAL
1750	NO LISTING
1766	BERNING RANDALL K
1766	BRIZZOLARA A E ATTY
1766	CERTOSA INC
1766	D M C REAL ESTATE
1766	LEVIN JEANNE ATTY
1766	LIBERTY MRTG INYST
1766	MUZZI VINCENT ATTY
1766	P M T PAC MTR TRCKG
1776	XXXX
1783	ALCOHOL&DRUG RHBLTN
1783	BE TRIM
1783	BUILDING
1783	CRISIS SERY NO CTRL
1783	LIFELINE
1783	MENTAL KLTH CTR HSP
1783	MID PENINSULA ARTS
1783	NO LISTING
1783	OCCUPATIONAL HLTH
1783	PENINSULA HSP
1783	PENINSULA HSP ADLGY
1783	PENINSULA HSP AXLRY
1783	PENINSULA HSP BSNS
1783	PENINSULA HSP CARDC
1783	PENINSULA HSP CNCR
1783	PENINSULA HSP EDUC
1783	PENINSULA HSP GIFT
1783	PENINSULA HSP HLTH
1783	PENINSULA HSP LFLNE

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SOURCE: HAINES
EL CAMINO REAL

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1783	PENINSULA HSP MNTL
1783	PENINSULA HSP MTRNL
1783	PENINSULA HSP NRSNY
1783	PENINSULA HSP PRSNL
1783	PENINSULA HSP REFRL
1783	PENINSULA HSP REHAB
1783	PENINSULA HSP REHAB
1783	PENINSULA HSP SR
1783	PENINSULA HSP SRGRY
1783	PENINSULA HSP THRPY
1783	PENINSULA HSP TRIM
1783	PENINSULA HSPAMDAL
1783	PEOPLE PLUS PRSNNL
1783	SMOKE STOPPERS
1783	SMTO CO HLTH MENTL
1783	SMTO CO HLTH MENTL
1791	BLOOD BANK PENINSLA
1791	PENINSULA BLOOD BNK
1791	PENINSULA MRL BLOOD
1801	JULIANS FINE JEWLRY
1801	PAN AMERICAN SAVNGS
1803	AIRPORT TRAVEL SERV
1803	BURLNG PLZ INTL TRY
1803	BURLNG PLZ TRVLSAVC
1803	MERCURY INTL SLSASV
1803	MERCURY INTL TRYLSY
1804	XXXX
1805	ALTERATIONS TO GO
1805	BROOBIKS CUT
1805	BRUBIKS CUBE
1805	LOMBARDI TERZIAN
1805	RUBIKS CUT
1807	CIAO INTERNATL
1809	DEUGHT A LA MOOE
1810	XXXX
1811	BRITTON W J&CO
1811	BURLNG PLAZA FLORST
1811	BURLNG PLZ BRITTON
1811	CLASSIC CLEANERS
1813	BONNEWELL TRADING
1813	LANE ELDEN E CPA
1813	MAGNETIC FASHIONS
1813	MILLS ESTATE RLTY
1813	OCONNOR MORTGAGE C
1813	OCONNOR REAL ESTATE
1813	PAL INVESTMENT CORP
1813	PORTMAN FRANK CO
1813	WELTON TRADING CO
1815	ENORES TOU
1815	FARMERS INS BRLNGME
1815	FARMERS INS BURL
1815	GROBE ARTHURE

Part 3 of 5

1815 INVESTMENT WNGERSCH
1815 OLSENEGROBE ASSOCTS
1815 TERRANOVA TONI RE
1815 VANGIERSBERGEN GJ
1815 YVONNES PHOTOGRAPHY
1817 XXXX
1818 MILLS ESTATE LOVOR
1819 BURUNG PLZ CKTL LNG
1819 PEABOOYS COCKTL LNG
1821 XXXX
1826 JOHNS DELICATESSENS
1826 PETRINIS
1828 BUILDING
1828 CYTOPATH LAB
1828 I N I COFFEE SHOP
1828 JUROW MEDICAL GROUP
1828 MULTI TENANT PROFESSIONAL
1828 MULTI TENANT PROFESSIONAL
1828 NEUROLOGICL MED GRP
1828 NO LISTING
1828 O0ONE DONALD MD INC
1828 PENINSULA ALRGY ASC
1828 PENINSULA PRO CNTR
1828 PROFSNL CT LAB
1828 RIGHT DIRCTN CNSLNG
1828 SOLOMON SYLYIA RLTY
1830 XXXX
1835 XXXX
1838 AIR NETWORK TRAVEL
1838 AMER FEDERATION GOV
1838 AMER FRZN FOOD INST
1838 BUILDING
1838 CHILD CARE COORDNTG
1838 COLVIN DISTRBTNG CO
1838 DEALER EXCHANGE
1838 E M O TRANS
1838 EMOTRANS
1838 FALCON ITALIAN CRGO
1838 HERSHEY WW MD INC
1838 K E L INTERNATIONAL
1838 L F INTERNATIONAL
1838 MCGRAW GENE A ATTY
1838 MULTI TENANT PROFESSIONAL
1838 NO LISTING
1838 PRICE WMT MD INC
1838 RIVA SPORTSWEAR
1838 SCHONWALD GWD INC
1838 WEST BAY DESIGN INC
1838 WOOLF AMD PRESNL
1840 MRL COIFFURES
1841 BELL SAVING&SALOAN
1841 BURLNG PLZ SYNGELN

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SOURCE: HAINES
EL CAMINO REAL

Part 4 of 5

1842 BURLNG TRAVEL BUR
1842 INTL EXPORT TRADE
1843 SEES CANDIES INC
1844 XXXX
1845 PATS COFFEE SHOP
1846 INTL ACTIVITIES
1847 SIZES UNLIMITED
1848 ¿¿¿¿
1849 SUGARN SPICE BAKERY
1850 XXXX
1851 RONALDOS DEL
1851 RONALDOS PIZZA
1853 SOMETHING SPECIAL
1855 XXXX
1857 HAAG N HAAG
1859 SHAW MELVIN HLLMRK
1860 AMER CANCER SANMTO
1860 BANK BUILDING EQUIP
1860 BAYSIDE MORTGAGE
1860 BUILDING
1860 CANCER SOC AMERICAN
1860 CHIGOS ANDREW D D
1860 COHEN BARBARA MD
1860 DITO LOUIS ACCTNCY
1860 FRIED DARRYL S
1860 GLOBAL DEVLP CO
1860 GLOBAL EXPRESS TOUR
1860 HEINZ MARY JEAN
1860 HOFFMAN HOWARD L MD
1860 ISAACS LOIS RNNP
1860 KART BROTHERS JOYCE
1860 KART JOYCE BROTHERS
1860 KROUSE CHET
1860 LEUKEMIA RESACH SOC
1860 LINKAGES
1860 LINKAGES TDD
1860 MAVIS NANCY MD
1860 MITCHELL ROBT A CPA
1860 NO LISTING
1860 OUTDOOR SPRTS UNLTD
1860 OVERSEAS IMPRTIEXPT
1860 PAC MOTEL INVSTMTS
1860 PAN AMER FNCL
1860 REMEDY HEALTH SERV
1860 RESIDENTIAL VALUATN
1860 REYES EP AIA
1860 SANDOVAL R RNNP
1860 SANMTO SENIOR PRORM
1860 SARNOFF ROBERTO
1860 SUSSMAN MICHAEL MO
1860 UNITD TRNSP UNION
1860 UNITO TRANS UN

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SOURCE: HAINES

EL CAMINO REAL

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1861 XXXX
1863 ACE HAROWARE
1863 BURLNO PLZ ACE HDWR
1863 RUG DR RENTS BURL
1868 XXXX
1870 ARNOLD FRANK&ASSOC
1870 BUILDING
1870 DIEHL MICHAEL M DR
1870 DIENL & GARIFFO
1870 DYNASTY INDUSTRIES
1870 DYNASTY SOLAR
1870 FAMILY SERV AGENCY
1870 FAMILY SV AG SENIOR
1870 FORD MARKETING INST
1870 GARIFFO RONALD J DR
1870 NO LISTING
1870 P A R C A
1870 PAC CHIROPRACTIC CT
1870 PENINSULA ASN RTRO
1870 PENINSULA ASN RTROD
1870 R A PLANNING
1870 RETARDED CHLDLADULT
1870 SENIOR SERV EMPLY
1870 SPECIAL OLYMPICS
1871 LONGS DRA PRSCRPTN
1871 LONGS DRG MAIN STR
1871 LONGS DRG PHOTO
1876 SMOKEYS UNION 76
1879 SMITH ROBERT A
1881 EYES HAVE IT THE
1881 FONG PAMELA J OD
1883 HOUDAY CLEANERS
1887 BURLNG PLZ CA BANK
1887 CA FIRST BANK

1987
SOURCE: HAINES

TROUSDALE DRIVE

1100 BURUNG CNYLSNT HOSP
1100 MULTI TENANT RESIDENTIAL
1111 BURL CTY POLICE BUS
1111 POLICE DEPT
1515 BEATTLE GEO C MD
1515 BLAHUT ROOT J MD
1515 BUILDING

227 total records. *Part 1 of 5*

1509 APARTMENTS
1509 MULTI TENANT RESIDENTIAL
1720 SAFECO INS CO
1720 SAFECO INS CO CLAIM
1720 SAFECOM MNGMT SYST
1730 MULTI TENANT RESIDENTIAL
1750 CAMINO MEDICAL LAB
1750 MDCL CNTR PHARM
1750 MEDICAL GROUP OPTCL
1750 MULTI TENANT PROFESSIONAL
1750 PENINSULA PLSTC SRG
1750 SEVENTEEN 50 PHAR
1754 CERTOSA INC
1754 PAC MOTOR TRUCKING
1754 SYSTEMEDICS
1776 XXXX
1783 PENINSULA HOSP
1783 PENINSULA HOSP AUX
1783 PENINSULA HOSP GIFT
1783 PENINSULA HOSP MNTL
1783 PENINSULA HOSPITAL
1783 SANMTO CO MNTL HLTH
1791 BLOOD BANK PENINSLA
1791 PENINSULA BLOOD BNK
1791 PENINSULA MRL BLD
1801 CHEVRON STNDRD
1801 JULIANS FINE JEWLRY
1801 PAN AMERICAN SAVNGS
1803 AIRPORT TRAVEL SERV
1803 BURLNG PLZ TRVLSRVC
1803 MERCURY INTL TRVLSV
1803 PLAZA STATIONERS
1804 XXXX
1805 BURLINGAME ART GLRY
1805 KERWIN GALLERIES
1807 CASUAL AIRE BURL
1809 AIMEES CHLDRNS APPL
1810 XXXX
1811 BAITTON W J & CO
1811 BURLINGAME FLORIST
1811 DIAMOND HGTS REALTY
1813 BANNAN THOMAS A
1813 COHN & LANE CPAS
1813 CONN HAROLD
1813 LANE ELDEN E
1813 PORTMAN FRANK CO
1815 BEST WAY BROKERAGE
1815 EDUCATIONAL COMM
1815 ENDRES TOM
1815 FARMERS INS BURL
1815 GROBE ARTHUR E
1815 OLSEN & GROBE ASC INC
1815 VANGIERSBERGEN G J

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SOURCE: HAINES
EL CAMINO REAL

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1817 XXXX
1818 MILLS ESTATE LIQUOR
1819 PEABODYS COCKTL LNG
1825 JOHNS DELICATESSENS
1825 PETRINIS
1828 ANDERSON WM W MD
1828 BENDER MICHAEL D MD
1828 BENSON PETER A MD
1828 BOWSTEAD THOMAS MD
1828 BRISKIN JONATHAN MD
1828 BRONSTEIN M H MD
1828 BUILDING
1828 BURLNG PDTRY GROUP
1828 COWAN MICHAEL N MD
1828 CYTOPATH LAB
1828 DARLING RICHARD MD
1828 EATON JOHN M MD
1828 FISHER HERBERT M MD
1828 FOX COLIN MD
1828 FREEDMAN CYRIL DDS
1828 FRIEDMAN EMANUEL MD
1828 FUREST CHAS E MD
1828 GIROLAMI MICHAEL MD
1828 GLICKMAN J MD CORP
1828 GLOGAW RICHARD G MD
1828 GOLDSCHLAGERA W MD
1828 GREEN NORMAN E MD
1828 GROVE NED M MD
1828 HAZELRIG PAUL JR MD
1828 ILLA ROBERT V MD
1828 JUROW MEDICAL GROUP
1828 JUROW MEDICAL GROUP
1828 KANSLER WILTON A JR
1828 KENNER GERALD MD
1828 LAWRENCE PROF CORP
1828 LAWRENCE PROF GRP
1828 LEHRMAN KENNETH MD
1828 LEVINE STANLEY D MD
1828 LILLO ROBT L MD
1828 LIU VICTOR MD
1828 MCINTOSH JANIECE MD
1828 MILLER BETTY MD
1828 MOBILE MED SYS INC
1828 MURATA JAMES J MD
1828 NADELL ANDREW T MD
1828 NATANSON ALVIN S MD
1828 NORRISON DOUGLAS MD
1828 ODONE DONALD MD INC
1828 OTER THOMAS A MD
1828 PENINSULA ALRGY ASC
1828 PENINSULA PRO CT
1828 PREINER GERALD DDS

Part 3 of 5

1828 PROFESSNL CT LAB
1828 PROZAN GEORGE B MD
1828 RABBINO MICHAEL MD
1828 RAIKE STEVEN B DDS
1828 RAINBOW COFFEE SHOP
1828 RICHANBACH HENRY MD
1828 RITTENBERG B M MD
1828 ROOST KENNETH T MD
1828 ROSE ELLIOTT H MD
1828 ROSENZWEIG WM MD
1828 RUSSO ANTHONY MD
1828 SANUTO ORTHOPDC MED
1828 SCHEIKOWITZ JAY MD
1828 SCHNAL ROBT N DDS
1828 SHAPIRO DOLPH MD
1828 SOLOMON SYLYIA RLTY
1828 STEGMAN S J VD
1828 STEPHENS WARREN MD
1828 SYDORAK GERALD MD
1828 TAWES ROY L JR MD
1828 TROMOVITCH T A MD
1828 TUZINSKI JAMES E MD
1828 WEKSELMAN REUBEN MD
1828 WONG L JR DDS
1830 XXXX
1835 XXXX
1838 ADIA TEMPORARY SERV
1838 ALPER PHILIP MD
1838 AMER FRZN FOOD INST
1838 BUILDING
1838 BURLNG INS AGNCY
1838 BURLNG INS AGNCY
1838 CHILD CARE COORDNTG
1838 DATA CONSTRUCTION
1838 EBERT PAUL A MD
1838 INNER LVG BSNS FURN
1838 ISC SYSTEMS CORP
1838 K E L INTERNATIONAL
1838 KRIER HARRY
1838 POLACH & BENSINGER
1838 RANDOLPH I RL EST
1838 SUMMIT REALTORS
1838 TURLEY KEVIN L MD
1838 ULLYOT DANIEL J MD
1838 VORSATZ FRANK C JR
1840 MR L COIFFURES
1841 BELL SAVINGS & LOAN
1842 BURLNG TRAVEL BUREU
1843 SEES CANDIES INC
1844 BUTCHERS UNION 115
1845 PATS COFFEE SHOP
1846 CA SC EMPLY ASN 5

1982
SOURCE: HAINES
EL CAMINO REAL

Part 4 of 5

1846 CA SC EMPLY CRDT UN
1847 PIC A DILLY
1848 AMER HEART ASSN
1848 HEART ASSN SN MATEO
1848 SANMTO CO HEART ASN
1849 SUGARN SPICE BAKERY
1850 XXXX
1851 RONALDOS DELI
1853 SOMETHING SPECIAL
1857 SNAPPY FOTO SHOPS
1859 SHAW MELVIN HLLMRK
1860 BANK BUILDING&EQUIP
1860 BUILDING
1860 CHIGOS ANDREW D MD
1860 COHEN BARBARA MD
1860 CRIMINAL JSTCE CNCL
1860 CUMMINS ALLISON OFC
1860 FLORES IRENE RN
1860 GEMINI INF SYS
1860 GENNOY J P REALTY
1860 HOFFMAN HOWARD L MD
1860 INTL TOTAL SERV
1860 ISAACS LOIS R
1860 J&L ENTERPRISES
1860 M D S COURIER SERV
1860 MONROE SYSTEMS
1860 NO LISTING
1860 P P G INDUSTRIES
1860 PAC COMPUTING
1860 RICHARD L LARRABURE
1860 SANMTO CO CRMNL JST
1860 SEARLES CARLY RNNP
1860 SECURITY 76
1860 SPECTRUM TRAINING
1860 VORSATZ FRANK C
1860 VORSATZ KARL
1860 VORSATZ KARL R
1860 VORSATZ PAUL
1861 LANDON UNIVERSAL
1861 UNIVERSL POOL CENTR
1863 ACE HARDWARE
1863 RUG DR RENTS BURL
1865 XXXX
1868 XXXX
1870 BUILDING
1870 CONCORD EXPRESS LTD
1870 COTCHETT MARILOU
1870 DIEHL MICHAEL H
1870 DIEHLA GARIFFO
1870 FAMILY SERV AGENCY
1870 FORD MARKETING INST
1870 GAAIFFO RONALD J

1982
SOURCE: HAINES

EL CAMINO REAL

Part 5 of 5

1870 HAHN GERALD A CPA
1870 INTL ACTIVITIES CRP
1870 LARSON PHILLIP G
1870 LEADER NATL INS CLM
1870 MITCHELL ROBERT CPA
1870 NIELSEN GAIL DESIGN
1870 NO LISTING
1870 P A R C A
1870 PENINSULA ASSN RTRD
1870 PENINSULA CHIRPRCTC
1870 RETARDED CHLD&ADULT
1870 XAVIER & HAHN
1870 XAVIER ROBT E CPA
1871 LONGS DRUG ST BURL
1871 LONGS DRUG STORE
1876 SMOKEYS UNION 76
1881 VALLEY CA BURL
1887 BANK CAL THE BANK

1982
SOURCE: HAINES

TROUSDALE DRIVE

1100 APARTMENTS
1100 MULTI TENANT RESIDENTIAL
1100 NO LISTING
1516 ACUPUNCTURE CLINIC
1516 BACHMAN LANDON H MD
1516 BUILDING

212 total records. *Part 1 of 5*

1509 APARTMENTS
1509 MULTI TENANT RESIDENTIAL
1509 NO LISTING
1720 SAFECO CREDIT CO
1720 SAFECO INS CO
1720 SAFECO INS CO CLAIM
1720 SAFECOM MNGMT SYST
1730 BARRETT RICHARD B
1730 MULTI TENANT RESIDENTIAL
1750 AIR AMBULANCE INC
1750 ANDERSON WILLIAM MDE
1750 BAIZ THEODORE C MD
1750 BLAHUT ROBERT J MD
1750 BREWSTER H P MD
1750 BROWNELL ROBERT MD
1750 CALAVANO LYNNE MA
1750 CAMINO MEDICAL LAB
1750 COWAN MICHAEL N MD
1750 CULINER MORRIS M MD
1750 CURRAN FRANK JR MD
1750 DIRKSEN LAWRENCE MD
1750 EID CHARLES HMD
1750 FISHER HERBERT M MD
1750 FREEDMAN CYRIL DDS
1750 GILBERT LEONARD MD
1750 GLICKMAN JOS M MD
1750 GOLOSCHLAGER A W MD
1750 GRADINGER G P MD
1750 GREEN NORMAN E MD
1750 GREEN ROBERT B MD
1750 GROVE NED MMD
1750 HAYNE L RICHARD MD
1750 HEWITT JOSEPH A MD
1750 HILL MALCOLM C MD
1750 HOF MANN WARREN H
1750 HURST STEPHEN S MD
1750 KASEFF LEON G MD
1750 KATL IRVING MD
1750 KAUFFMAN RAYMOND MD
1750 KAUFFMANCGRADINGER
1750 KAZANJIAN VARD PHD
1750 KUNDIN JACK E MD
1750 LEAVITT SAMUEL R MD
1750 LEVIN JOSEPH M MD
1750 MADDALENA M A MD
1750 MDCL CNTR PHARI
1750 MEDICAL CNTR
1750 MEDICAL CNTR PHRMCY
1750 MEDICAL GROUP OPTCL
1750 MEDICAL RHBLTN SERV
1750 MILLER BETTY MD
1750 MOOMJIAN R A DR
1750 MOOSE SANFORD M DR

1977
SOURCE: HAINES
EL CAMINO REAL

Part 2 of 5

1750 NEL SON RICHARD A MD
1750 NIEBERDING PAUL MD
1750 PITLYK PAUL J MD
1750 POSNICK JACK MD
1750 PROLAN GEORGE B MD
1750 RICHANBACH HENRY MD
1750 RITTENBERG B M MD
1750 ROSELL JON ERIC MD
1750 ROSENTHAL HOWARD MD
1750 SILVERMAN R J DDS
1750 TELFER ROBERT B MD
1750 THOMPSON WILLIAM MD
1750 WALAINIS WILLIAM MD
1750 WARFIELD R E DMD
1750 WEINBERG W H PHD
1750 WEKSELMAN REUBEN MD
1750 WILSON JOHN S MD
1750 YAKUSHI FRANK B RPT
1766 FINANCIAL ASC CMPTR
1766 RELIABLE DATA SERV
1783 PENSLA HOSP AUXLRY
1783 PENSLA HOSP MNTL CT
1783 PENSLA HOSPEMED CTR
1783 SMTO CO HLTH MENTAL
1783 WELCH CONSTRUCTION
1791 BLOOD BANK PENINSLA
1791 PENSLA BLOOD BANK
1791 PENSLA MMRL BLD BNK
1801 BURL TWN & CNTRY RLTY
1801 BURLNG REALTY
1801 CHEVRN STD STA BURL
1801 CONSTANTINO DAVID M
1801 CONSTANTINO PAUL J
1801 GLANG AUBREY
1801 MILLS ESTATE HOMES
1801 PURKEY JEWELERS
1801 TOWN & CNTRY INS AGCY
1801 TOWN & CNTRY REALTY
1803 AIRPORT TRAVEL SERV
1803 BURLNG PLAZA TRVL SV
1803 MERCURY INTL TRVL SV
1803 SNYDER M STNRY & GIFT
1804 XXXX
1805 KERWIN GALLERIES
1807 CASUAL AIRE
1809 AIMEES CHLDRNS APRL
1810 XXXX
1811 BURLNG PLAZA FLORST
1811 COQUETTE HAIR DESGN
1811 PAYLESS CLEANERS
1813 AIRPORT EXCTVE BLDG
1813 CALIF ASN SCH LBRNS

Part 3 of 5

1813 COHN & LANE CPAS
1813 COHN HAROLD
1813 KLEBER CORP
1813 KOCH S J KOREX INDS
1813 KOREX INDUSTRIES
1813 LANE ELDEN E
1813 WESTRN DENTIST SPLY
1813 WIDRIN CO REALTORS
1815 BEST WAY BROKERAGE
1815 BRITTON W J & CO
1815 BRITTON W J CO
1815 DIAMOND HGTS REALTY
1815 FISSE CO THE
1815 GROBE ARTHUR E
1815 OLSEN & GROBE ASSC
1815 OLSTEN TEMPRY SERVS
1815 ROLLINS REALTY INC
1815 VANGIERSBERGEN G J
1818 MILLS ESTATE PHARM
1819 PEABODYS CCKTL LNGE
1825 PETRINIS
1828 BISKIND LABS
1828 KAY DONALD M MD
1828 MILLS ESTATE MED CT
1828 MOBILE MEDICAL SYSTI
1828 SCHEIKOWITZ JAY MD
1828 SMITH DONALD W MD
1828 STEGMAN S J MD
1828 SUGARMAN DAVID MD
1828 TROMOVITCH T A MD
1830 XXXX
1835 BEN FRANKLIN 5397
1838 ALLIED HME LOAN PLN
1838 AMER FROZEN FD INST
1838 AMERICANA FRT SYSTS
1838 C S E A PNSLA CR UN
1838 CALIF SCHL EMP ASSN
1838 HOLME INVESTMENT CO
1838 KOHLMANN HENRY G
1838 MCDONALD J M CO
1838 MCNAMARA A M
1838 NATL ASSOCTN RETRD
1838 P A R C A
1838 PENSLA ASN RETARDED
1838 PERRY RICHARD H
1838 RETARDED CHLORN ASN
1838 ROCKWOOD RONALD CPA
1838 TRANSPORT INDEMNITY
1838 US GOV HLTH ED & WLFR
1838 VORSATZ FRANK C
1838 WOLFF & WOLFF
1838 WOLFF HARRY K JR

1977
SOURCE: HAINES
EL CAMINO REAL

Part 4 of 5

1840 MISTER L COIFFURES
1841 BELL SVNGS & LN ASSN
1842 BURLNG TRAVEL BUR
1842 COHENDET EDITH
1842 FUR WORKER UNIT 516
1842 MANAGEMNT SERV AGCY
1843 SEES CANDIES BURL
1844 BUTCHERS UNION 516
1844 MICHLSN E BTCHR 516
1845 PATS COFFEE SHOP
1847 PIC A DILLY
1848 AMER HEART ASSN
1848 HEART ASSN SN MATEO
1848 HEART FUND
1848 SMTO CO HEART ASSN
1849 SUGARN SPICE BAKERY
1850 JOHN HANCOCK INS
1851 RONALDOS DELICATESN
1853 XXXX
1855 HOBBYVILLE
1857 SARGINAS HSE FSHN
1859 HOME REALTY&INYSTMT
1860 BANK BUILDING&EQP
1860 BENNIGSON ARNOLD I
1860 CRIMINAL JSTCE CNCL
1860 DEMANES FLOYD A
1860 HALSEY F DENNIS
1860 MONROE THE CALCULTR
1860 RICHARD L LARRABURE
1860 RUSSELL JOSEPH E
1860 SMTO CO CRIMNL JSTC
1860 US GOV JUSTICE DEPT
1861 UNIVERSL POOL CNTR
1863 ACE HARDWARE
1868 XXXX
1870 BUILDING
1870 C N A INSURANCE
1870 CHASE BARBARA MSW
1870 COHEN BARBARA MD
1870 FAMILY SERVICE AGCY
1870 FORD MARKETING INST
1870 GOLDEN GT RGNL CTR
1870 GOLDENBERG GARY PHD
1870 HILL MARGARET E MSW
1870 NO LISTING
1870 SHAPIRO MARVIN I
1870 TAGO INC
1870 THOMPSON THOMAS F
1870 XAVIER ROBERT E CPA
1871 LONGS DRUG STORES
1876 BURLNG PLAZA UN 76
1876 KNOPS ROBERT

Part 5 of 5

1876 **STEAM CRPT CLEANERS**
1881 **SNYDER B CARL&ASC**
1887 **BANK OF CAL MILLS**

128 total records. *Part 1 of 3*

1505 **SUNSET EMPLOYMENT AGENCY**
1509 **ALDANA NERY DANIEL**
1509 **FANTINA IRMA**
1509 **GONZALEZ CELSO**
1509 **GONZALEZ DELFIN**
1509 **HERBECK A M MRS**
1509 **PANKE WITHAM**
1509 **SLINDE NADINE**
1720 **SAFECO INS CO MESSAGE CENTER**
1720 **SAFECO INSUARANCE CO OF AMERICA**
1720 **VOGL DAVID R**
1750 **ANDERSON WM W MD**
1750 **BAIZ THEODORE C MD**
1750 **BERKOWITZ STANLEY MD**
1750 **BROWNELL ROBT D MD**
1750 **CAMINO MEDICAL LAB**
1750 **COWAN MICHAEL N MD**
1750 **CULINER MORRIS M MD**
1750 **CURRAN FRANK J JR MD**
1750 **FRIDMAN CYRIL DDS**
1750 **GILBERT LEONARD J MD**
1750 **GLICKMAN JOS M MD**
1750 **GREEN NORMAN E MD**
1750 **GREEN ROBT B MD**
1750 **HEWITT JOS A MD**
1750 **KATZ IRVING MD**
1750 **KAZANJIAN VARD**
1750 **KUNDIN JACK E MD**
1750 **LEVIN JOS M MD**
1750 **MADDALENA MICHAEL A MD**
1750 **MEDICAL GROUP OPTICAL LABORATARY**
1750 **MEDICAL REHABILITATION SERVICES**
1750 **MOOMJIAN RICHARD A DR**
1750 **POSNICK JACK MD**
1750 **PROZAN GEO B MD**
1750 **RICHANBACH HENRY S MD**
1750 **ROSELL JON ERIC MD**
1750 **SEVENTEEN FIFTY MEDICAL CENTER PHARMACY**
1750 **STUTCH REUBEN MD**
1750 **TROMOVITCH THEODORE A MD MEDICAL**
1750 **WALAINIS WM R MD**
1750 **WARFIELD RICHARD E DMD**
1750 **WEINBERG WM L**
1750 **WEKSELMAN REUBEN MD**
1750 **ZIMMERMANN HERBERT JR MD**
1766 **PACIFIC STANDARD LIFE INS CO**
1783 **LATHROP CONSTRUCTION CO**
1783 **PENINSULA HOSPITAL & MEDICAL CENTER**
1783 **PENINSULA HOSPITAL AUXILARY**
1783 **PENINSULA HOSPITAL BUILDING PROJECT**
1791 **PENINSULA MEMORIAL BLOOD BANK**
1801 **PURKEY JEWELERS**
1801 **STANDARD OIL COMPANY OF CALIFORNIA**

Part 2 of 3

1801 TOWN & COUNTRY INS AGCY
1801 TOWN & COUNTRY REALTY CONSTANTINO GLANG
1803 CAMINO CARDS & STATIONERS
1803 MERCURY INTERNATIONAL TRAVLSERVICE INC
1805 BURLINGAME ART GALLERY & FRAME CO
1807 CASUAL AIRE OF BURLINGAME
1809 AIMEE'S CHILDREN'S APPAREL
1811 BURLINGAME PLAZA FLORIST
1811 COQUETTE HAIR DESIGNS
1811 PAYLESS CLEANERS
1813 CALIF ASSN OF SCHOOL LIBRANIANS
1813 COHN & LANE
1813 MANPOWER INC
1813 RICE PAUL H CO
1815 FORDE J P & ASSOCIATES
1815 FRENCH & FRENCH PERSONNEL AGENCY
1815 GRAPHIC APPRAISERS & B & R
1815 IMPERIAL MARKETING
1815 OLSEN & GROBE ASSOCIATES INC
1815 OLSTEN SERVICES
1818 MILLS ESTATE PHARMCY
1819 PUTTER COCKTAIL LOUNGE THE
1835 BEN FRANKLIN STORE NO
1838 AMERICAN FROZEN FOOD INSTITUTE
1838 COMPTONS ENCYCLOPEDIA
1838 D C A FOOD INDUSTRIES INC
1838 MARKEL SERVICE INC
1838 MCNAMARA A M REALTY COMPANY
1838 MEACHAM G N & CO
1838 NEW PRODUCT DEVELOPMENT SERVICES OF SAN
1838 ROCKWOOD RONALD D
1838 TRANSPORT INDEMNITY CO
1838 TRINITY UNIVERSAL INSUARANCE COMPANY
1840 DELCON REALTY
1841 SAN MATEO MUTUAL SAVINGS & LOAN ASSN
1842 BUTCHERS UNION NO 516 OF SAN MATEO
1842 FUR WORKERS UNIT OF BUTCHERS UNION NO
1842 MANAGEMENT SERVICES AGCY
1842 NATIONAL ASSOCIATION FOR RETARDED
1844 REPUBLIC INS GROUP
1845 DRUG KING PRESCRIPTION
1845 GALE'S COFFEE SHOP
1848 LYONS COFFEE SHOP RESTAURANT
1850 JOHN HANCOCK MUTUAL LIFE INS CO
1851 PEERIESS LAUNDRY & CLEANERS
1855 HOBBYVILLE
1859 JOHNSON REALTY
1860 ATKINSON GUY F COMPANY
1860 BANK BUILDING & EQUIP CORP OF AMENCA
1860 CALIF SCHOOL EMPLOYEES
1860 CALIF SCHOOL EMPLOYEES ASSN STATE
1860 DEMANES & SANDERS

1970
SOURCE: PACIFIC TELEPHONE
EL CAMINO REAL

Part 3 of 3

1860 FLUOR UTAH ENGINEERS & CONSTRUCTORS INC
1860 GIRL SCOUTS OF THE USA ASSN NATI BRANCH
1860 PERRY RICHARD H
1861 UNIVERSAL POOL CENTER
1863 COAST TO COAST STORES
1870 BINN ROBERT F
1870 CONTINENTAL CASUALTY CO
1870 CUTTER A W MD
1870 FAMILY SERVICE ASCY OF SAN MATEO COUNTY
1870 FLIGHT CREW CONSULTANTS
1870 FORD MARKETING INSTITUTE
1870 L & L INSURANCE
1870 LEWIS BERNAL L
1870 NORNS GRAHAM H INVESTMENT DEALER &
1870 PREPARATION EDUCATION PLANNING PROGRAM
1870 PROFESSIONAL AIRMANS ASSN
1870 WESTERN POLYMER CORP
1870 ZAHORIK CHAS C CO INC
1871 PURITY STORES INC
1876 BURLINGAME PLAZA UNION 76 STATION
1876 STEAM SYSTEMS CARPET CLEANING
1881 SNYDER B CARL & ASSOCIATES INC
1887 BANK OF CALIFORNIA N A THE

1970
SOURCE: PACIFIC TELEPHONE

TROUSDALE DRIVE

NO LISTINGS IN RANGE

1963
SOURCE: POLKS

EL CAMINO REAL

76 total records. *Part 1 of 2*

1501	**BURLINGAME TOWN & COUNTRY REALTY STANDARD STA INC**
1509	**APARTMENTS**
1509	**MULTI TENANT RESIDENTIAL**
1509	**VACANT**
1720	**SAFECO - LEFECA GENL INS COS OF AM**
1766	**AM CAN CO**
1783	**PENINSULA HOSP AUXILIARY**
1783	**PENINSULA HOSPITAL**
1791	**PENINSULA MEMORIAL BLOOD BANK**
1801	**BURLINGAME TOWN & COUNTRY REALTY**
1801	**PURKEY JEWELERS**
1803	**CAMINO CARDS & STATIONERS**
1803	**PININSULA MATTRESS CENTER**
1805	**CHILDRENS SHOE WORLD**
1807	**CASUAL AIRE WOMENS CLO**
1809	**MAMZEL`S WMLS CLO**
1810	**STANDARD STATIONS INC**
1811	**MERCURY - INTL TRAVLSERVICE INC**
1811	**PINK POSY THE FLORIST**
1813	**BURL PLAZA BUILDING**
1813	**CHAMPLIN A O CO CPA**
1813	**FOSTER T JACK & SONS REAL EST**
1813	**REX SIS CO IMPORTERS**
1813	**ROOMS :**
1815	**BUILDING**
1815	**ESTRO MUNICIPAL IMPROVEMENT DIST**
1815	**HATFIELD HOMES INC BLDG CONTR**
1815	**MANPOWER INC EMP AGCY**
1815	**NO RETURN**
1815	**SHIPP KENNETH J PLYWOOD**
1817	**PUTTER RESTR THE**
1817	**PUTTER THE COCKTAIL LOUNGE**
1835	**BEN FRANKLIN STORE VARIETY**
1838	**AUTONETICS BUS MACHS**
1838	**BUTCHER`S UNION LOCAL**
1838	**CAL FREEZERS ASSN**
1838	**HARNISCHFEGER CORP MACH**
1838	**HOUSEHOLD FINANCE CORP**
1838	**KUMMER RALPH ASSOCS AVIATION & ADV CONSULTANTS**
1838	**MARKEL SERV INC**
1838	**MCDONALD J M CO DEPT STORES**
1838	**MILLS ESTATE OFFICE BUILDING**
1838	**RADIO CORP OF AM ELECTRONIC EQUIP**
1838	**RED STAR YEAST & PRODUCTS CO BAKING PRODUCTS**
1838	**ROOMS :**
1838	**TRANSPORT INDEMNITY CO INS**
1838	**VACANT**
1840	**DELCON REALTY**
1841	**SAN MATEO MUT SAVINGS & LOAN ASSN**
1842	**BEMIS BRO BAG CO**
1842	**CONGDON GEO CONSTN CO**
1844	**REPUBLIC INS CO**
1844	**VANGUARD INS CO**

1963
SOURCE: POLKS

EL CAMINO REAL

Part 2 of 2

1845 **DRUG KING PHARM**
1845 **GALE'S COFFEE SHOP**
1846 **VACANT**
1848 **REVCO OF CAL REF**
1850 **HANCOCK JOHN MUT LIFE INS CO**
1851 **PEERLESS LNDRY**
1853 **STEWART - EUBANKS MYERSON & CO BUSINESS BROKERS**
1855 **HOBBYVILLE HOBBY SHOP**
1857 **ALLSTATE INS CO**
1859 **WHITE PAUL REAL ESTATE**
1860 **WESTERN ELEC CO**
1861 **MUSIC MART**
1870 **BUILDING**
1870 **DU PONT E J CO FILM DEPT**
1870 **FORD MTR CO MARKETING INSTITUTE TRAINING SCH**
1870 **FOREMOST DAIRIES IN INDUSTRIAL DIV**
1870 **GENL ELEC CREDIT CORP FINANCE**
1870 **OLSEN OM & ASSOCS INS**
1870 **ROOMS :**
1871 **JIM'S UNION SERV GAS STA**
1871 **PRISCILLAS CAKE BOX**
1871 **PURITY STORES GRO**
1887 **BANK OF CALIF NATL ASSN THE**

1963
SOURCE: POLKS

TROUSDALE DRIVE

NO LISTINGS IN RANGE

1958 EL CAMINO REAL
SOURCE: POLKS

1509 APARTMENTS
1509 MULTI TENANT RESIDENTIAL
1720 GENL INS CO OF AM
1720 LIFECO - GENL LIFE CO OF AM INS
1720 SAFCO INS CO OF AM AUTO
1783 PENINSULA HOSP AUXILIARY
1783 PENINSULA HOSPITAL
1791 PENINSULA MEMORIAL BLOOD BANK
1810 STANDARD STATIONS INC
1835 FRANKLIN BEN STORE VARIETY
1841 SAN MATEO MUT SAVINGS & LOAN ASSN
1845 GALE'S COFFEE SHOP
1845 OWL REXALL DRUGS
1851 PEERLESS LNDRY &
1853 NIBLACK OF BURL CONTOURING
1853 SALON REDUCING
1855 TOWN & COUNTRY INS AGCY
1855 TOWN & COUNTRY REALTY
1857 VACANT
1859 CASUAL GIRL CL
1861 MERCANTILE ACCEPTANCE CO LOANS
1871 PURITY STORES GRO
1876 JIM'S UNION SERY GAS STA
1887 BANK OF CALIF NATL ASSN THE

1958 TROUSDALE DRIVE
SOURCE: POLKS

NO LISTINGS IN RANGE

1949-50
SOURCE: COAST DIRECTORY CO

EL CAMINO REAL

NO LISTINGS IN RANGE

1949-50
SOURCE: COAST DIRECTORY CO

TROUSDALE DRIVE

STREET NOT LISTED

1946-47
SOURCE: COAST DIRECTORY CO

EL CAMINO REAL

NO LISTINGS IN RANGE

1946-47
SOURCE: COAST DIRECTORY CO

TROUSDALE DRIVE

STREET NOT LISTED

1942
SOURCE: COAST DIRECTORY CO

EL CAMINO REAL

NO LISTINGS IN RANGE

1942
SOURCE: COAST DIRECTORY CO

TROUSDALE DRIVE

STREET NOT LISTED

1939
SOURCE: COAST DIRECTORY CO

EL CAMINO REAL

NO LISTINGS IN RANGE

1939
SOURCE: COAST DIRECTORY CO

TROUSDALE DRIVE

STREET NOT LISTED

1936
SOURCE: COAST DIRECTORY CO

EL CAMINO REAL

NO LISTINGS IN RANGE

1936
SOURCE: COAST DIRECTORY CO

TROUSDALE DRIVE

STREET NOT LISTED

--- END REPORT ---

HISTORICAL DOCUMENTATION: FIRE INSURANCE MAPS

FIRE INSURANCE MAPS

Project Property:	Office Building 1766 El Camino Real Burlingame CA 94010
Project No:	575-1840
Requested By:	Intertek PSI
Order No:	21060900937
Date Completed:	June 10, 2021

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Listed below, please find the results of our search for historic fire insurance maps from our in-house collection, performed in conjuction with your ERIS report.

Date	City	State	Volume	Sheet Number(s)
1926	Millbrae	California		3
1970	Burlingame	California		45, 48, 49, 50, 51, 53

Individual Fire Insurance Maps for the subject property and/or adjacent sites are included with the ERIS environmental database report to be used for research purposes only and cannot be resold for any other commercial uses other than for use in a Phase I environmental assessment.

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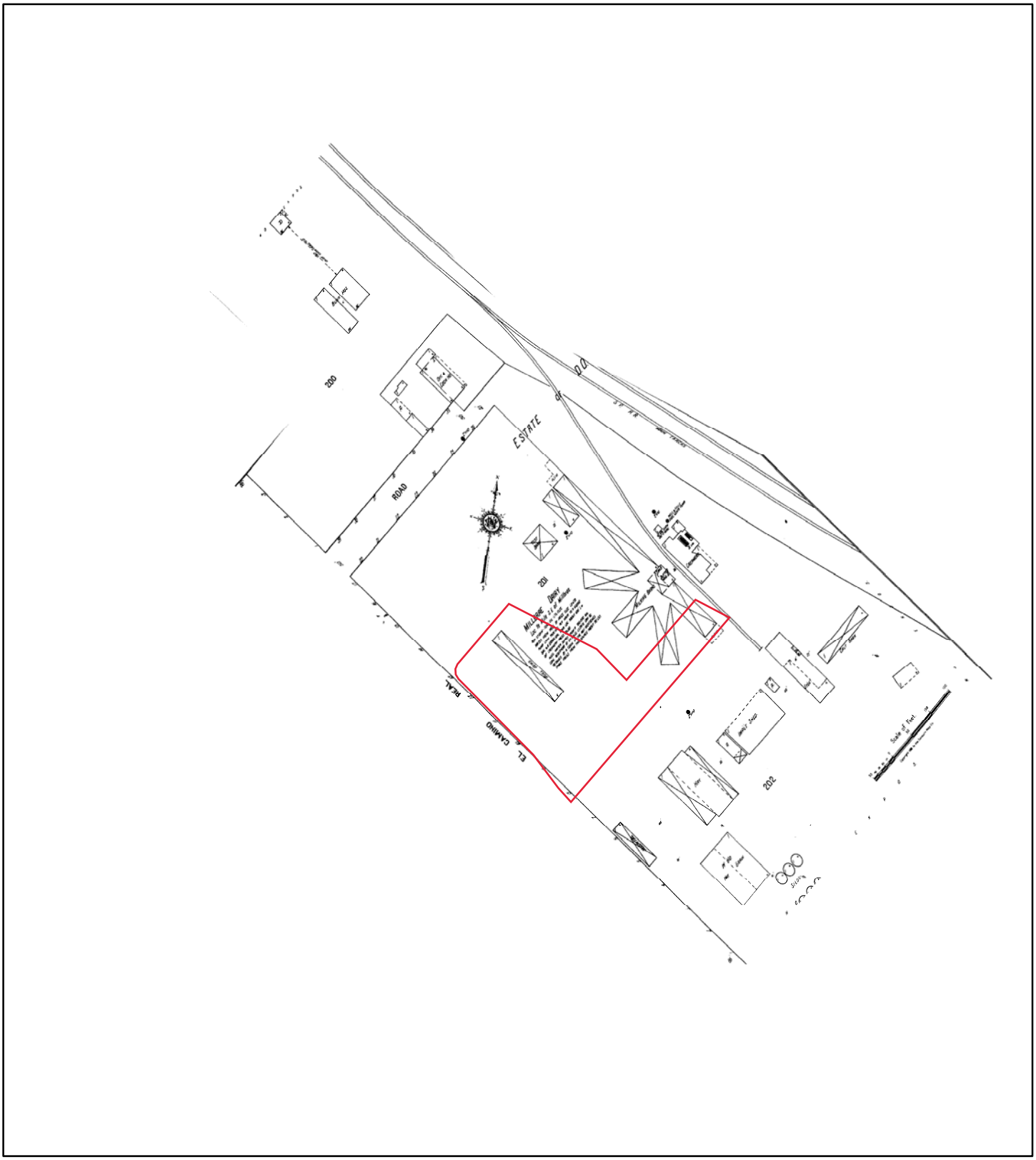
Fire Insurance Map



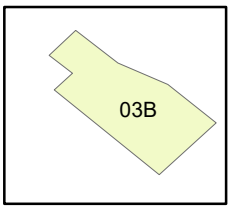
1926

N

0 112.5 225 450 675 900

Feet

Address: 1766 El Camino Real Burlingame CA 94010

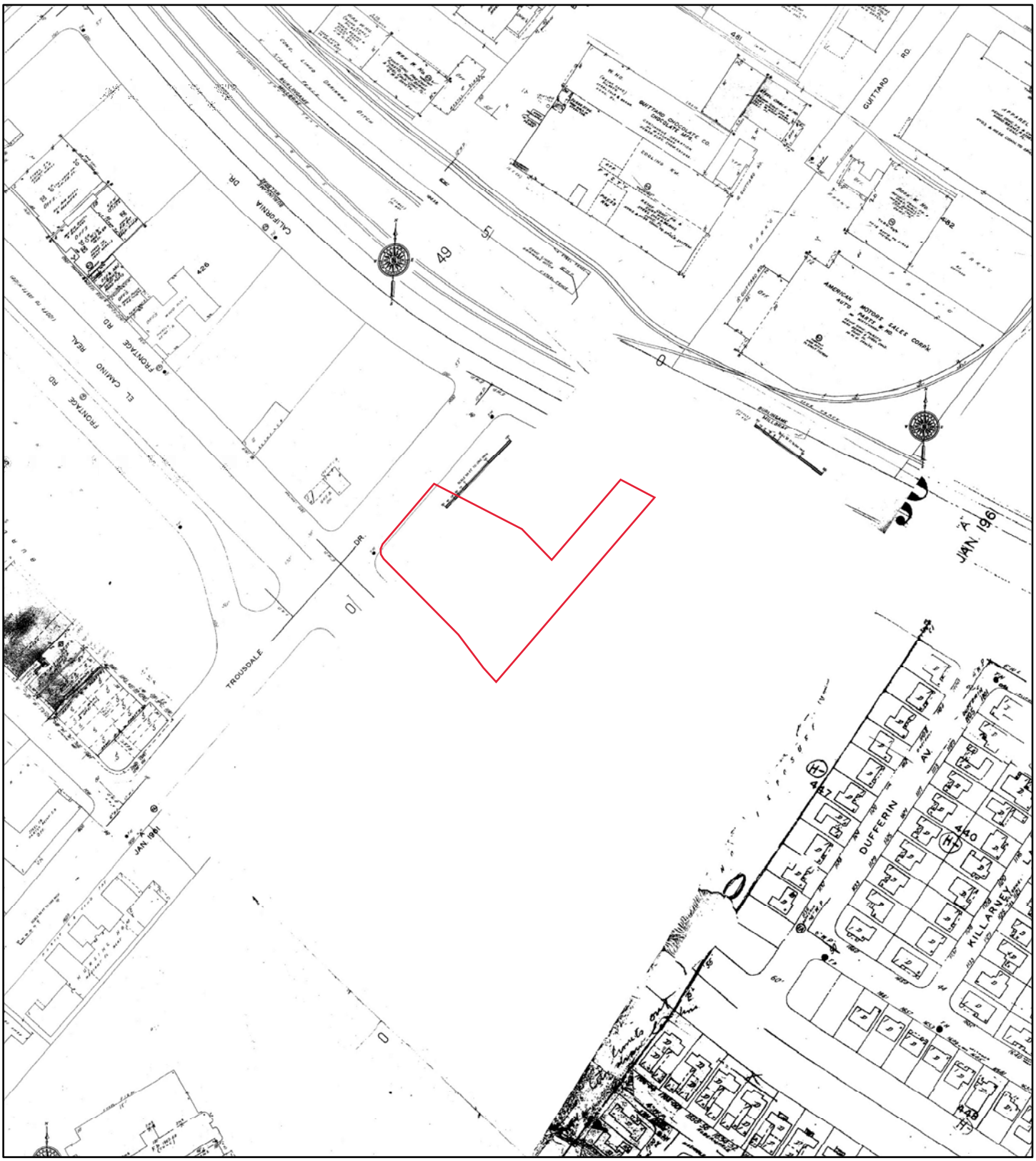


Map sheet(s):
Volume NA:3;

Order Number 21060900937

ERIS

Fire Insurance Map



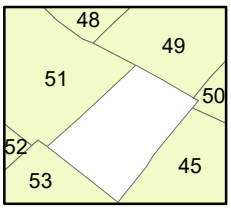
1970

Address: 1766 El Camino Real Burlingame CA 94010

N

0 112.5 225 450 675 900

Feet



Map sheet(s):
Volume NA:45,48,49,50,51,53;

Order Number 21060900937

ERIS

ENVIRONMENTAL DATABASE REPORT

DATABASE REPORT

Project Property:	*Office Building* *1766 El Camino Real* *Burlingame CA 94010*
Project No:	*575-1840*
Report Type:	*Database Report*
Order No:	*21060900937*
Requested by:	*Intertek PSI*
Date Completed:	*June 10, 2021*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:		*Office Building* *1766 El Camino Real Burlingame CA 94010*
Project No:		*575-1840*
Coordinates:		
	Latitude:	*37.5946242*
	Longitude:	*-122.38207711*
	UTM Northing:	*4,161,018.74*
	UTM Easting:	*554,549.53*
	UTM Zone:	*UTM Zone 10S*
Elevation:		*21 FT*

Order Information:

Order No:	*21060900937*
Date Requested:	*June 9, 2021*
Requested by:	*Intertek PSI*
Report Type:	*Database Report*

Historicals/Products:

Aerial Photographs	*Historical Aerials (Boundaries)*
City Directory Search	*CD - 2 Street Search*
ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Fire Insurance Maps	*US Fire Insurance Maps*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*
Topographic Map	*Topographic Maps*
Vapor Screening Tool	*Vapor Screening Tool*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
DOE FUSRAP	Y	1	0	0	0	0	0	0
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	**1**	-	**1**
ODI	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	**1**	-	**1**
CERCLIS NFRAP	Y	0.5	0	0	0	**1**	-	**1**
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	**2**	**4**	-	**6**
RCRA LQG	Y	0.125	0	0	-	-	-	0
RCRA SQG	Y	0.125	0	**4**	-	-	-	**4**
RCRA VSQG	Y	0.125	0	0	-	-	-	0
RCRA NON GEN	Y	0.125	**1**	**23**	-	-	-	**24**
FED ENG	Y	PO	0	-	-	-	-	0
FED INST	Y	PO	0	-	-	-	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
RESPONSE	Y	1	0	0	0	0	0	0
ENVIROSTOR	Y	1	0	0	**2**	**2**	**5**	**9**
DELISTED ENVS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
SWRCB SWF	Y	0.5	0	0	0	0	-	0
HWP	Y	1	0	0	0	0	0	0
SWAT	Y	0.5	0	0	0	0	-	0
C&D DEBRIS RECY	Y	0.5	0	**1**	0	0	-	**1**
RECYCLING	Y	0.5	0	0	**1**	0	-	**1**
PROCESSORS	Y	0.5	0	0	0	0	-	0
CONTAINER RECY	Y	0.5	0	0	0	0	-	0
LDS	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	**3**	**2**	**21**	-	**26**
DELISTED LST	Y	0.5	0	0	0	0	-	0
UST	Y	0.125	0	**3**	-	-	-	**3**
UST CLOSURE	Y	0.125	0	0	-	-	-	0
HHSS	Y	0.25	0	**4**	**2**	-	-	**6**
UST SWEEPS	Y	0.25	0	**4**	**2**	-	-	**6**
AST	Y	0.25	0	0	0	-	-	0
AST SWRCB	Y	0.25	0	0	0	-	-	0
TANK OIL GAS	Y	0.25	0	0	0	-	-	0
DELISTED TNK	Y	0.25	0	**1**	**1**	-	-	**2**
CERS TANK	Y	0.25	0	**1**	**1**	-	-	**2**
DELISTED CTNK	Y	0.25	0	**1**	0	-	-	**1**
HIST TANK	Y	0.25	0	**4**	**2**	-	-	**6**
LUR	Y	PO	0	-	-	-	-	0
CALSITES	Y	0.5	0	0	**1**	0	-	**1**
HLUR	Y	PO	0	-	-	-	-	0
DEED	Y	PO	0	-	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
VCP	Y	0.5	0	0	0	**1**	-	**1**
CLEANUP SITES	Y	0.5	0	**1**	**2**	**1**	-	**4**
DELISTED COUNTY	Y	0.25	0	**1**	**1**	-	-	**2**
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.125	0	0	-	-	-	0
DELISTED ILST	Y	0.5	0	0	0	0	-	0
DELISTED IUST	Y	0.25	0	0	0	-	-	0
County								
LOP SANMATEO	Y	0.5	0	**4**	**2**	**14**	-	**20**
CUPA SANMATEO	Y	0.25	0	**116**	**55**	-	-	**171**
Additional Environmental Records								
Federal								
PFAS NPL	Y	0.5	0	0	0	0	-	0
FINDS/FRS	Y	PO	**1**	**8**	-	-	-	**9**
TRIS	Y	PO	0	-	-	-	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	**1**	**1**	-	-	**2**
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
URANIUM	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	**1**	-	-	**1**
SSTS	Y	0.25	0	0	**1**	-	-	**1**
PCB	Y	0.5	0	0	0	0	-	0
State								
DRYCLEANERS	Y	0.25	0	**5**	**3**	-	-	**8**
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DRYC GRANT	Y	0.25	0	0	0	-	-	0
PFAS	Y	0.5	0	0	0	0	-	0
PFAS GW	Y	0.5	0	0	0	0	-	0
HWSS CLEANUP	Y	0.5	0	0	0	0	-	0
DTSC HWF	Y	0.5	0	0	0	0	-	0
INSP COMP ENF	Y	1	0	0	0	0	0	0
SCH	Y	1	0	0	**1**	**1**	**2**	**4**
CHMIRS	Y	PO	0	-	-	-	-	0
HIST CHMIRS	Y	PO	0	-	-	-	-	0
HAZNET	Y	PO	**3**	**8**	-	-	-	**11**
HIST MANIFEST	Y	PO	0	-	-	-	-	0
HW TRANSPORT	Y	0.125	0	0	-	-	-	0
WASTE TIRE	Y	PO	0	-	-	-	-	0
MEDICAL WASTE	Y	0.25	0	0	0	-	-	0
HIST CORTESE	Y	0.5	0	0	0	0	-	0
CDO/CAO	Y	0.5	0	0	0	0	-	0
CERS HAZ	Y	0.125	0	**6**	-	-	-	**6**
DELISTED HAZ	Y	0.5	0	0	0	0	-	0
GEOTRACKER	Y	0.125	0	0	-	-	-	0
MINE	Y	1	0	0	0	0	0	0
LIEN	Y	PO	0	-	-	-	-	0
WASTE DISCHG	Y	0.25	0	0	0	-	-	0
EMISSIONS	Y	0.25	0	**17**	**12**	-	-	**29**
CDL	Y	0.125	0	0	-	-	-	0

Tribal ***No Tribal additional environmental record sources available for this State.***

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
County								
MED WST SANMATEO	*Y*	*0.25*	*0*	***94***	***19***	-	-	***113***
Total:			***5***	***310***	***114***	***47***	***7***	***483***

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	RCRA NON GEN	PACIFIC MOTOR TRUCKING CO	1766 EL CAMINO REAL BURLINGAME CA 94010 ***EPA Handler ID:*** *CAD981575707*	SW	0.00 / 0.00	-4	101
1	FINDS/FRS	PACIFIC MOTOR TRUCKING CO	1766 EL CAMINO REAL BURLINGAME CA 94010	SW	0.00 / 0.00	-4	102
1	HAZNET	PACIFIC MOTOR TRUCKING CO	1766 EL CAMINO REAL BURLINGAME CA 940100000	SW	0.00 / 0.00	-4	102
1	HAZNET	CERTOSA INC	1766 EL CAMINO REAL BURLINGAME CA 900000000	SW	0.00 / 0.00	-4	103
1	HAZNET	CERTOSA INC	1766 EL CAMINO REAL BURLINGAME CA 940100000	SW	0.00 / 0.00	-4	104

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
2	HAZNET	ROBERT J SILVERMAN DDS INC	1750 EL CAMINO REAL BURLINGAME CA 940400000	SSE	0.01 / 54.47	1	104
2	HAZNET	PENINSULA DERMATOLOGY MEDICAL GROUP INC	1750 EL CAMINO REAL STE 206 BURLINGAME CA 940103214	SSE	0.01 / 54.47	1	107
2	HAZNET	WILLIAM B BOHANNAN DDS MD	1750 EL CAMINO REAL STE 403 BURLINGAME CA 940103217	SSE	0.01 / 54.47	1	107
2	HAZNET	HALDEN YU DDS	1750 EL CAMINO REAL STE 302 BURLINGAME CA 94010	SSE	0.01 / 54.47	1	107
2	HAZNET	LAWRENCE E YOUNG DDS	1750 EL CAMINO REAL BURLINGAME CA 940100000	SSE	0.01 / 54.47	1	108
2	HAZNET	OAK GROVE PHARMACY, INC.	1750 EL CAMINO REAL SUITE 101 BURLINGAME CA 94010	SSE	0.01 / 54.47	1	110
2	CUPA SANMATEO	HALDEN S YU, DDS	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	1	111
			Facility ID: FA0029366 ***Billing Status | Program Element:*** Inactive, non-billable | SQG DENTAL FAC W/ PHOTO WASTE SELF CERTIF, Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION				
2	CUPA SANMATEO	PENINSULA NEUROLOGICAL ASC MED GRP	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	1	111
			Facility ID: FA0044991 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
2	CUPA SANMATEO	PENINSULA PLASTIC SURGERY	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	1	111
			Facility ID: FA0026298 ***Billing Status | Program Element:*** Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
2	CUPA SANMATEO	BOHANNAN DDS, WILLIAM B	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	1	111
			Facility ID: FA0029604 ***Billing Status | Program Element:*** Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION, Inactive, non-billable | SQG PHOTO WASTE (<100KG/MO)				
2	CUPA SANMATEO	MID PENINSULA UROLOGY GROUP	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	1	111
			Facility ID: FA0026123 ***Billing Status | Program Element:*** Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
2	CUPA SANMATEO	YOUNG, LAWRENCE / CYNTHIA D.D.S.	1750 EL CAMINO REAAL BURLINGAME CA 94010 ***Facility ID:*** FA0026214 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)	SSE	0.01 / 54.47	1	112
2	CUPA SANMATEO	ELLISTON MD, ROBERT R	1750 EL CAMINO REAL BURLINGAME CA 94010 ***Facility ID:*** FA0044920 ***Billing Status | Program Element:*** Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION	SSE	0.01 / 54.47	1	112
2	CUPA SANMATEO	LABCORP	1750 EL CAMINO REAL BURLINGAME CA 94010 ***Facility ID:*** FA0025738 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)	SSE	0.01 / 54.47	1	112
2	CUPA SANMATEO	PENINSULA DERMATOLOGY MED GRP	1750 EL CAMINO BURLINGAME CA 94010 ***Facility ID:*** FA0026157 ***Billing Status | Program Element:*** Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION	SSE	0.01 / 54.47	1	112
2	CUPA SANMATEO	XIE MD, HAICHUN	1750 EL CAMINO REAL BURLINGAME CA 94010 ***Facility ID:*** FA0060063 ***Billing Status | Program Element:*** Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION	SSE	0.01 / 54.47	1	113
2	RCRA NON GEN	WILLIAM B BOHANNAN DDS MD	1750 EL CAMINO REAL STE 403 BURLINGAME CA 94010-3217 ***EPA Handler ID:*** CAL000302786	SSE	0.01 / 54.47	1	113
2	RCRA NON GEN	HALDEN YU DDS	1750 EL CAMINO REAL STE 302 BURLINGAME CA 94010 ***EPA Handler ID:*** CAL000297115	SSE	0.01 / 54.47	1	114
2	RCRA NON GEN	MID PENINSULA UROLOGY GROUP INC	1750 EL CAMINO RD STE 307 BURLINGAME CA 94010 ***EPA Handler ID:*** CAL000435223	SSE	0.01 / 54.47	1	115
2	RCRA NON GEN	PENINSULA DERMATOLOGY MEDICAL GROUP INC	1750 EL CAMINO REAL STE 206 BURLINGAME CA 94010-3214 ***EPA Handler ID:*** CAL000353425	SSE	0.01 / 54.47	1	116
2	FINDS/FRS	HALDEN YU DDS	1750 EL CAMINO REAL STE 302 BURLINGAME CA 94010	SSE	0.01 / 54.47	1	117
2	FINDS/FRS	MID PENINSULA UROLOGY GROUP INC	1750 EL CAMINO RD STE 307 BURLINGAME CA 94010	SSE	0.01 / 54.47	1	118

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
2	FINDS/FRS	PENINSULA DERMATOLOGY MEDICAL GROUP INC	1750 EL CAMINO REAL STE 206 BURLINGAME CA 94010-3214	SSE	0.01 / 54.47	1	118
2	FINDS/FRS	WILLIAM B BOHANNAN DDS MD	1750 EL CAMINO REAL STE 403 BURLINGAME CA 94010-3217	SSE	0.01 / 54.47	1	119
2	MED WST SANMATEO	ELLISTON MD, ROBERT R	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	1	119
2	MED WST SANMATEO	PENINSULA DERMATOLOGY MED GRP	1750 EL CAMINO BURLINGAME CA 94010	SSE	0.01 / 54.47	1	120
2	MED WST SANMATEO	PENINSULA PLASTIC SURGERY	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	1	120
2	MED WST SANMATEO	LINNA GOLODRIGA DDS	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	1	120
2	MED WST SANMATEO	BOHANNAN DDS, WILLIAM B	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	1	121
2	MED WST SANMATEO	HALDEN S YU, DDS	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	1	121
2	MED WST SANMATEO	XIE MD, HAICHUN	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	1	121
2	MED WST SANMATEO	LABCORP	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	1	121
2	MED WST SANMATEO	PENINSULA NEUROLOGICAL ASC MED GRP	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	1	122
2	MED WST SANMATEO	YOUNG, LAWRENCE / CYNTHIA D.D.S.	1750 EL CAMINO REAAL BURLINGAME CA 94010	SSE	0.01 / 54.47	1	122

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
2	MED WST SANMATEO	HALDEN S YU, DDS	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	1	122
2	MED WST SANMATEO	MID PENINSULA UROLOGY GROUP	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	1	122
3	HAZNET	BAYVIEW ENVIRONMENTAL SER INC	1800 EL CAMINO REAL BURLINGAME CA 94010	W	0.02 / 79.35	4	123
4	FINDS/FRS	CITY OF BURLINGAME PUBLIC WORKS	1111 TROUSDALE DRIVE BURLINGAME CA 94010-3209	N	0.02 / 81.75	-3	123
4	DELISTED TNK	CITY OF BURLINGAME	1111 TROUSDALE Burlingame CA 94010	N	0.02 / 81.75	-3	124
4	CUPA SANMATEO	CITY OF BURLINGAME POLICE DEPT	1111 TROUSDALE BURLINGAME CA 94010	N	0.02 / 81.75	-3	124
			Facility ID: FA0009591 ***Billing Status | Program Element:*** Active, billable | UNDERGROUND TANK - GENERAL, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Active, billable | STORES MV FUELS OR WASTE ONLY				
4	HHSS	BURLINGAME PLOICE STATION	1111 TROUSDALE BURLINGAME CA 94010	N	0.02 / 81.75	-3	124
4	FINDS/FRS	BURLINGAME POLICE STATION	1111 TROUSDALE DR BURLINGAME CA 94010	N	0.02 / 81.75	-3	124
4	DELISTED CTNK	CITY OF BURLINGAME POLICE DEPT	1111 TROUSDALE DR BURLINGAME CA 94010	N	0.02 / 81.75	-3	125
4	UST	CITY OF BURLINGAME POLICE DEPT	1111 TROUSDALE DR BURLINGAME CA 94010	N	0.02 / 81.75	-3	125
			Facility ID: 201109_009591				
4	EMISSIONS	CITY OF BURLINGAME	1111 TROUSDALE DRIVE BURLINGAME CA 94010	N	0.02 / 81.75	-3	125
4	HIST TANK	BURLINGAME POLICE STATION	1111 TROUSDALE BURLINGAME CA	N	0.02 / 81.75	-3	131
4	LUST	BURLINGAME POLICE STATION	1111 TROUSDALE DRIVE BURLINGAME CA 94010	N	0.02 / 81.75	-3	131

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			***Global ID	Status	Status Date:*** T10000011134 | OPEN - SITE ASSESSMENT | 12/4/2017			
4	LOP SANMATEO	BURLINGAME POLICE STATION	1111 TROUSDALE AVE BURLINGAME CA	N	0.02 / 81.75	-3	139
			Case No: 660118 ***Status:*** 3B- Preliminary Assessment Underway				
4	CUPA SANMATEO	BURLINGAME PD- DISPOSAL PROGRAM	1111 TROUSDALE BURLINGAME CA 94010	N	0.02 / 81.75	-3	140
			Facility ID: FA0033578 ***Billing Status | Program Element:*** Inactive, non-billable | SQG COMMON STORAGE AREA FAC (1-199 LB/MO), Inactive, non-billable | SQG WITH TRANSPORT				
4	EMISSIONS	BURLINGAME POLICE STATION	1111 TROUSDALE DR BURLINGAME CA 94010	N	0.02 / 81.75	-3	140
4	RCRA NON GEN	CITY OF BURLINGAME PUBLIC WORKS	1111 TROUSDALE DRIVE BURLINGAME CA 94010	N	0.02 / 81.75	-3	141
			EPA Handler ID: CAC003024328				
4	CERS HAZ	CITY OF BURLINGAME POLICE DEPT	1111 TROUSDALE DR BURLINGAME CA 94010	N	0.02 / 81.75	-3	142
4	UST SWEEPS	BURLINGAME POLICE DEPT	1111 TROUSDALE DR BURLINGAME CA	N	0.02 / 81.75	-3	152
			C C | Status: A41-000-660088 | ACTIVE ***Tank ID:*** 000001, 000002				
4	C&D DEBRIS RECY	BURLINGAME POLICE DEPARTMENT	1111 TROUSDALE DR BURLINGAME CA 94010	N	0.02 / 81.75	-3	152
4	MED WST SANMATEO	BURLINGAME PD- DISPOSAL PROGRAM	1111 TROUSDALE DR BURLINGAME CA 94010	N	0.02 / 81.75	-3	152
4	MED WST SANMATEO	BURLINGAME PD- DISPOSAL PROGRAM	1111 TROUSDALE BURLINGAME CA 94010	N	0.02 / 81.75	-3	153
5	FINDS/FRS	SAN MATEO MEDICAL CENTER BURLI	1100 TROUSDALE DRIVE BURLINGAME CA 94010-3207	NW	0.02 / 104.34	-2	153
5	HAZNET	BURLINGAME LONG TERM CARE	1100 TROUSDALE DR BURLINGAME CA 94010	NW	0.02 / 104.34	-2	153
5	CUPA SANMATEO	CARE WEST BURLINGAME	1100 TROUSDALE BURLINGAME CA 94010	NW	0.02 / 104.34	-2	154
			Facility ID: FA0013044 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | STORES HAZ MAT <1,199GAL,9,999LB,4,799CF				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
5	EMISSIONS	SAN MATEO MEDICAL CENTER BURLI	1100 TROUSDALE DRIVE BURLINGAME CA 94010	NW	0.02 / 104.34	-2	154
5	EMISSIONS	BURLINGAME LONG TERM CARE CENTER	1100 TROUSDALE DRIVE BURLINGAME CA 94010	NW	0.02 / 104.34	-2	157
5	EMISSIONS	BURLINGAME LONG TERM CARE CENT	1100 TROUSDALE DRIVE BURLINGAME CA 94010	NW	0.02 / 104.34	-2	159
5	CUPA SANMATEO	BURLINGAME SKILLED NURSING	1100 TROUSDALE BURLINGAME CA 94010	NW	0.02 / 104.34	-2	160
			Facility ID: FA0031289 ***Billing Status | Program Element:*** Active, billable | SQG HEALTH FACILITY/SNF (1-199 LB/MO), Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
5	CUPA SANMATEO	BURLINGAME SENIOR CARE LLC	1100 TROUSDALE BURLINGAME CA 94010	NW	0.02 / 104.34	-2	160
			Facility ID: FA0001492 ***Billing Status | Program Element:*** Inactive, non-billable | LQG OFF-SITE TREATMENT >200 LB/MO				
5	FINDS/FRS	BURLINGAME LONG TERM CARE CENTER	1100 TROUSDALE DRIVE BURLINGAME CA 94010	NW	0.02 / 104.34	-2	160
5	CUPA SANMATEO	BURLINGAME LONG TERM CARE CENTER	1100 TROUSDALE BURLINGAME CA 94010	NW	0.02 / 104.34	-2	161
			Facility ID: FA0066548 ***Billing Status | Program Element:*** Active, billable | STORES MV FUELS OR WASTE ONLY				
5	MED WST SANMATEO	BURLINGAME SKILLED NURSING	1100 TROUSDALE BURLINGAME CA 94010	NW	0.02 / 104.34	-2	161
5	MED WST SANMATEO	BURLINGAME SENIOR CARE LLC	1100 TROUSDALE BURLINGAME CA 94010	NW	0.02 / 104.34	-2	161
6	LOP SANMATEO	MILLS PENINSULA MEDICAL CENTER	1783 EL CAMINO REAL BURLINGAME CA	SSW	0.03 / 150.66	7	161
			Case No: 660090 ***Status:*** 9- Case Closed				
6	LUST	MILLS PENINSULA MEDICAL CENTER	1783 EL CAMINO REAL BURLINGAME CA 94010	SSW	0.03 / 150.66	7	162
			Global ID | Status | Status Date: T0608192783 | COMPLETED - CASE CLOSED | 9/7/2000				
6	HHSS	PENINSULA HOSPITAL AND MEDICAL	1783 EL CAMINO REAL BURLINGAME CA 94010	SSW	0.03 / 150.66	7	164
6	UST	PENINSULA HOSPITAL & MED CTR	1783 EL CAMINO REAL BURLINGAME CA 94010	SSW	0.03 / 150.66	7	164

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			Facility ID: 41-000-017983				
6	EMISSIONS	MILLS-PENINSULA MEDICAL CENTER	1783 EL CAMINO REAL BURLINGAME CA 94010	SSW	0.03 / 150.66	7	164
6	EMISSIONS	PENINSULA HOSPITAL AND MEDICAL	1783 EL CAMINO REAL BURLINGAME CA 94010	SSW	0.03 / 150.66	7	166
6	EMISSIONS	PENINSULA MEDICAL CENTER	1783 EL CAMINO REAL BURLINGAME CA 94010	SSW	0.03 / 150.66	7	167
6	EMISSIONS	MILLS PENINSULA MEDICAL CENTER	1783 EL CAMINO REAL BURLINGAME CA 94010	SSW	0.03 / 150.66	7	169
6	HIST TANK	PENINSULA HOSPITAL AND MEDICAL	1783 EL CAMINO REAL BURLINGAME CA	SSW	0.03 / 150.66	7	170
6	CUPA SANMATEO	CELEBRITY CAFE	1783 EL CAMINO REAL BURLINGAME CA 94010	SSW	0.03 / 150.66	7	170
			Facility ID: FA0000061 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
6	UST SWEEPS	PENINSULA HOSPITAL & MED CTR	1783 EL CAMINO REAL BURLINGAME CA	SSW	0.03 / 150.66	7	170
			C C | Status: A41-000-660032 | ACTIVE ***Tank ID:*** 000002, 000001				
7	HHSS	PENINSULA MEMORIAL BLOOD BANK	1791 EL CAMINO REAL BURLINGAME CA 94010	WSW	0.03 / 166.51	8	171
7	CUPA SANMATEO	PENINSULA SOUTH BAY CENTER	1791 EL CAMINO REAL BURLINGAME CA 94010	WSW	0.03 / 166.51	8	171
			Facility ID: FA0013657 ***Billing Status | Program Element:*** Inactive, non-billable | LQG OFF-SITE TREATMENT >200 LB/MO, Inactive, non-billable | UNDERGROUND TANK - GENERAL, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF, Inactive, non-billable | SQG WITH TRANSPORT				
7	HIST TANK	PENINSULA MEMORIAL BLOOD BANK	1791 EL CAMINO REAL BURLINGAME CA	WSW	0.03 / 166.51	8	171
7	UST SWEEPS	PENINSULA MEMORIAL BLOOD BANK	1791 EL CAMINO REAL BURLINGAME CA	WSW	0.03 / 166.51	8	172
			C C | Status: I41-000-660005 | INACTIVE ***Tank ID:*** 000002				
7	UST SWEEPS	PENINSULA MEMORIAL BLOOD BANK	1791 EL CAMINO REAL BURLINGAME CA	WSW	0.03 / 166.51	8	172

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			***C C	Status:*** A41-000-660005 | ACTIVE ***Tank ID:*** 000001			
7	MED WST SANMATEO	PENINSULA SOUTH BAY CENTER	1791 EL CAMINO REAL BURLINGAME CA 94010	WSW	0.03 / 166.51	8	172
7	MED WST SANMATEO	PENINSULA SOUTH BAY CENTER	1791 EL CAMINO REAL BURLINGAME CA 94010	WSW	0.03 / 166.51	8	173
8	LOP SANMATEO	CHEVRON 9-8165	1810 EL CAMINO REAL BURLINGAME CA	WNW	0.04 / 186.92	3	173
			Case No: 660011 ***Status:*** 9- Case Closed				
8	LUST	CHEVRON 9-8165	1810 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.04 / 186.92	3	173
			Global ID | Status | Status Date: T0608100122 | COMPLETED - CASE CLOSED | 11/15/2012				
8	HHSS	98165	1810 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.04 / 186.92	3	193
8	HIST TANK	98165	1810 EL CAMINO REAL BURLINGAME CA	WNW	0.04 / 186.92	3	193
9	CUPA SANMATEO	TIGER TEA INC	1803 EL CAMINO REAL BURLINGAME CA 94010	W	0.04 / 188.50	6	193
			Facility ID: FA0059738 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
10	MED WST SANMATEO	MILLS PENINSULA HEALTH SVCS	863 TROUSDALE BURLINGAME CA 94010	N	0.04 / 197.44	-5	193
11	RCRA NON GEN	VINTAGE ELEVATOR SERVICES	1733 CALIFORNIA DR BURLINGAME CA 94010-3201 ***EPA Handler ID:*** CAC003049090	E	0.04 / 230.74	-10	194
11	MED WST SANMATEO	MILLS ESTATE VILLA	1733 CALIFORNIA DR BURLINGAME CA 94010	E	0.04 / 230.74	-10	195
12	CUPA SANMATEO	LITTLE LUCCA	1809 EL CAMINO REAL BURLINGAME CA 94010	W	0.05 / 238.68	5	195
			Facility ID: FA0001115 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
13	CUPA SANMATEO	NIECO CORP	15 GUITTARD BURLINGAME CA 94010	NE	0.05 / 272.93	-10	195
			Facility ID: FA0008808 ***Billing Status | Program Element:*** Inactive, non-billable | GENERATES <27 GAL/YEAR, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
14	CUPA SANMATEO	HAPPY DONUT	1807 EL CAMINO REAL BURLINGAME CA 94010	W	0.06 / 303.02	7	196
			Facility ID: FA0029623 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
15	CUPA SANMATEO	GUITTARD CHOCOLATE	10 GUITTARD BURLINGAME CA 94010	NE	0.06 / 303.56	-10	196
			Facility ID: FA0003879 ***Billing Status | Program Element:*** Active, billable | GENERATES & RECYCLES WASTE OIL/SOLVENT, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Active, billable | STORES HAZ MAT <1,199GAL,9,999LB,4,799CF				
16	CUPA SANMATEO	MILLS ESTATE VILLA	1733 CALIFORNIA BURLINGAME CA 94010	E	0.06 / 305.95	-11	196
			Facility ID: FA0029525 ***Billing Status | Program Element:*** Inactive, non-billable | INITIAL SETUP &MEDICAL WASTE REGISTRATION-SQG, Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
16	MED WST SANMATEO	MILLS ESTATE VILLA	1733 CALIFORNIA BURLINGAME CA 94010	E	0.06 / 305.95	-11	196
17	CUPA SANMATEO	AMERICAN BULL BAR & GRILL INC	1819 EL CAMINO REAL BURLINGAME CA 94010	W	0.06 / 309.63	4	197
			Facility ID: FA0001917 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
18	MED WST SANMATEO	MILLS PENINSULA HEALTH SVCS	1510 TROUSDALE BURLINGAME CA 94010	WSW	0.06 / 328.22	10	197
19	CUPA SANMATEO	PULMONARY ASSOC	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	197
			Facility ID: FA0029160 ***Billing Status | Program Element:*** Inactive, non-billable | GENERATES <27 GAL/YEAR, Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION				
19	CUPA SANMATEO	GARDEN DELITE CATERING INC	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	197
			Facility ID: FA0028163 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
19	CUPA SANMATEO	PENINSULA MEDICAL GROUP	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	197
			Facility ID: FA0029161 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
19	CUPA SANMATEO	SURGICAL ASC OF THE PENINSULA	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	198
			Facility ID: FA0026317 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
19	CUPA SANMATEO	BRUCE, GENE K., M.D.	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	198
			Facility ID: FA0026135 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
19	CUPA SANMATEO	BURLINGAME DIALYSIS	1720 EL CAMINO REAL BURLINGAME CA 94010-3224	SSE	0.07 / 367.39	0	198

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			Facility ID: FA0049467 ***Billing Status | Program Element:*** Active, billable | LQG OFF-SITE TREATMENT >200 LB/MO				
19	CUPA SANMATEO	MID PENINSULA MEDICAL ARTS BUILDING	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	198
			Facility ID: FA0061427 ***Billing Status | Program Element:*** Inactive, non-billable | LQG COMMON STORAGE AREA FAC (>200 LB/MO)				
19	CUPA SANMATEO	MID PENINSULA MEDICAL ARTS BLDG	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	199
			Facility ID: FA0013495 ***Billing Status | Program Element:*** Inactive, non-billable | LQG COMMON STORAGE AREA FAC (>200 LB/MO)				
19	CUPA SANMATEO	SHAPIRO, DEBRA M.D., INC	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	199
			Facility ID: FA0026266 ***Billing Status | Program Element:*** Inactive, non-billable | TIER 1 SQG REGISTRATION				
19	CUPA SANMATEO	PENINSULA PEDIATRIC MED GRP	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	199
			Facility ID: FA0026339 ***Billing Status | Program Element:*** Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION				
19	CUPA SANMATEO	MPHS EMP HLTH CLINIC/PAMF EXT HRS CLINIC	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	199
			Facility ID: FA0050529 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
19	CUPA SANMATEO	MILLS PENINSULA HOSP OCCUP HEALTH	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	199
			Facility ID: FA0026180 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
19	CUPA SANMATEO	MILLS PENINSULA 1720 RENEL DIALYSIS	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	200
			Facility ID: FA0026179 ***Billing Status | Program Element:*** Inactive, non-billable | LQG OFF-SITE TREATMENT >200 LB/MO				
19	CUPA SANMATEO	MILLS PEN. PHARMACY/LAB	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	200
			Facility ID: FA0026181 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
19	CUPA SANMATEO	MILLS CAFE	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	200
			Facility ID: FA0047000 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
19	CUPA SANMATEO	BURLINGAME ORTHOPEDICS/SPORTS MED	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	200
			Facility ID: FA0028679 ***Billing Status | Program Element:*** Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION				
19	CUPA SANMATEO	BENNER DR., ROBERT	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	200

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			Facility ID: FA0029142 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
19	CUPA SANMATEO	MILLS PENINSULA SENIOR FOCUS CENTER ADULT DAY HEALTH	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	201
			Facility ID: FA0057474 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
19	CUPA SANMATEO	LIU, VICTOR MD	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	201
			Facility ID: FA0026289 ***Billing Status | Program Element:*** Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION				
19	CUPA SANMATEO	CARDIOVASCULAR ASSOC OF THE PEN	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	201
			Facility ID: FA0026315 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
19	CUPA SANMATEO	BURLINGAME PEDIATRIC DENTISTRY	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	201
			Facility ID: FA0065578 ***Billing Status | Program Element:*** Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION				
19	CUPA SANMATEO	SPMF - MATERNAL FETAL MEDICINE	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	201
			Facility ID: FA0065528 ***Billing Status | Program Element:*** Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
19	CUPA SANMATEO	MID PENINSULA MEDICAL ARTS BUILDING	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	202
			Facility ID: FA0065597 ***Billing Status | Program Element:*** Active, billable | LQG COMMON STORAGE AREA FAC (>200 LB/MO)				
19	EMISSIONS	MID PENINSULA ENDOSCOPY CENTER	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	202
19	CUPA SANMATEO	MID PENINSULA ENDOSCOPY CENTER	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	203
			Facility ID: FA0066544 ***Billing Status | Program Element:*** Active, billable | STORES MV FUELS OR WASTE ONLY				
19	RCRA NON GEN	AG - LO 1720 EL CAMINO OWNER, LLC	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	203
			EPA Handler ID: CAC003030713				
19	MED WST SANMATEO	MID PENINSULA MEDICAL ARTS BLDG	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	204
19	MED WST SANMATEO	MILLS PENINSULA 1720 RENEL DIALYSIS	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	204

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
19	MED WST SANMATEO	CARDIOVASCULAR ASSOC OF THE PEN	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	205
19	MED WST SANMATEO	SURGICAL ASC OF THE PENINSULA	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	205
19	MED WST SANMATEO	LIN, JERRY DMD	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	205
19	MED WST SANMATEO	MILLS PEN. PHARMACY/LAB	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	205
19	MED WST SANMATEO	BURLINGAME DIALYSIS	1720 EL CAMINO REAL BURLINGAME CA 94010-3224	SSE	0.07 / 367.39	0	206
19	MED WST SANMATEO	SPMF - MATERNAL FETAL MEDICINE	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	206
19	MED WST SANMATEO	BURLINGAME PEDIATRIC DENTISTRY	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	206
19	MED WST SANMATEO	PULMONARY ASSOC	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	206
19	MED WST SANMATEO	BRUCE, GENE K., M.D.	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	207
19	MED WST SANMATEO	SHAPIRO, DEBRA M.D., INC	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	207
19	MED WST SANMATEO	PENINSULA PEDIATRIC MED GRP	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	207
19	MED WST SANMATEO	BURLINGAME ORTHOPEDICS/SPORTS MED	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	207
19	MED WST SANMATEO	MID PENINSULA MEDICAL ARTS BUILDING	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	208

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
19	MED WST SANMATEO	MID PENINSULA MEDICAL ARTS BUILDING	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	208
19	MED WST SANMATEO	LIU, VICTOR MD	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	208
19	MED WST SANMATEO	PENINSULA MEDICAL GROUP	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	208
19	MED WST SANMATEO	MPHS EMP HLTH CLINIC/PAMF EXT HRS CLINIC	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	209
19	MED WST SANMATEO	MILLS PENINSULA HOSP OCCUP HEALTH	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	209
19	MED WST SANMATEO	BENNER DR., ROBERT	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	0	209
20	CUPA SANMATEO	LUNARDIS FOODS MARKET #8	1825 EL CAMINO REAL BURLINGAME CA 94010	W	0.07 / 369.55	5	209
			Facility ID: FA0002596 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Active, billable | STORES MV FUELS OR WASTE ONLY				
20	CERS HAZ	LUNARDIS FOODS MARKET #8	1825 EL CAMINO REAL BURLINGAME CA 94010	W	0.07 / 369.55	5	210
21	CUPA SANMATEO	ROOST, KENNETH M.D.	1828 EL CAMINO BURLINGAME CA 94010	WNW	0.07 / 386.72	-1	212
			Facility ID: FA0026333 ***Billing Status | Program Element:*** Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION				
21	MED WST SANMATEO	ROOST, KENNETH M.D.	1828 EL CAMINO BURLINGAME CA 94010	WNW	0.07 / 386.72	-1	212
22	CUPA SANMATEO	KUBIN, ROBERT H., M.D.	1515 TROUSDALE BURLINGAME CA 940104515	WSW	0.08 / 407.52	11	213
			Facility ID: FA0026358 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
22	CUPA SANMATEO	STONE, RICHARD D.P.M.	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	11	213
			Facility ID: FA0026220 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
22	CUPA SANMATEO	SAUNDERS, ANDRIENNE M., M.D.	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	11	213
			Facility ID: FA0026335 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
22	CUPA SANMATEO	HO, DONALD M., MD	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	11	213
			Facility ID: FA0026336 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
22	CUPA SANMATEO	BENNER M.D., ROBERT	1515 TROUSALE BURLINGAME CA 94010	WSW	0.08 / 407.52	11	213
			Facility ID: FA0026190 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
22	CUPA SANMATEO	DR RICCI CHEN	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	11	214
			Facility ID: FA0026219 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
22	CUPA SANMATEO	MADANAT, NABEEL MD, INC	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	11	214
			Facility ID: FA0026265 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
22	CUPA SANMATEO	PENINSULA MEDICAL BUILDING	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	11	214
			Facility ID: FA0015016 ***Billing Status | Program Element:*** Inactive, non-billable | SQG COMMON STORAGE AREA FAC (1-199 LB/MO)				
22	CUPA SANMATEO	PENINSULA MEDICAL CENTER	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	11	214
			Facility ID: FA0028612 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
22	MED WST SANMATEO	KUBIN, ROBERT H., M.D.	1515 TROUSDALE BURLINGAME CA 94010-4515	WSW	0.08 / 407.52	11	214
22	MED WST SANMATEO	BENNER M.D., ROBERT	1515 TROUSALE BURLINGAME CA 94010	WSW	0.08 / 407.52	11	215
22	MED WST SANMATEO	PENINSULA MEDICAL BUILDING	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	11	215
22	MED WST SANMATEO	STONE, RICHARD D.P.M.	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	11	215
22	MED WST SANMATEO	DR RICCI CHEN	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	11	215

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
22	MED WST SANMATEO	HO, DONALD M., MD	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	11	216
22	MED WST SANMATEO	PENINSULA MEDICAL CENTER	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	11	216
22	MED WST SANMATEO	MADANAT, NABEEL MD, INC	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	11	216
22	MED WST SANMATEO	SAUNDERS, ANDRIENNE M., M.D.	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	11	216
23	CUPA SANMATEO	T MOBILE WEST CORP SITE ID SF03083A	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	217
			Facility ID: FA0045345 ***Billing Status | Program Element:*** Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF				
23	CUPA SANMATEO	SPRINT NEXTEL CELL SITE FS04XC064	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	217
			Facility ID: FA0044824 ***Billing Status | Program Element:*** Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
23	CUPA SANMATEO	AT & T MOBILITY - BURLINGAME 12701	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	217
			Facility ID: FA0044827 ***Billing Status | Program Element:*** Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
23	CERS HAZ	SciBac Inc.	1828 EL CAMINO REAL STE 704 BURLINGAME CA 94010	WNW	0.08 / 416.40	1	217
23	CUPA SANMATEO	BURLINGAME PACIFICA MED GRP INC	1828 EL CAMINO REAAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	220
			Facility ID: FA0026143 ***Billing Status | Program Element:*** Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION				
23	CUPA SANMATEO	PENINSULA SURG SPL MED GRP INC	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	220
			Facility ID: FA0026318 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
23	CUPA SANMATEO	NOBLE BITES CAFE	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	220
			Facility ID: FA0061574 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
23	CUPA SANMATEO	LINNA GOLODRIGA DDS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	220

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			Facility ID: FA0029367 ***Billing Status | Program Element:*** Inactive, non-billable | SQG PHOTO WASTE (<100KG/MO), Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION				
23	CUPA SANMATEO	POWERS, DIANA C., D.D. S.	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	221
			Facility ID: FA0026175 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
23	CUPA SANMATEO	STEVEN RAIKE, DDS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	221
			Facility ID: FA0026397 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
23	CUPA SANMATEO	DIAZ MEDICAL GROUP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	221
			Facility ID: FA0044801 ***Billing Status | Program Element:*** Inactive, non-billable | TIER 1 SQG REGISTRATION				
23	CUPA SANMATEO	PENINSULA PROFESSIONAL CTR	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	221
			Facility ID: FA0013961 ***Billing Status | Program Element:*** Inactive, non-billable | SQG COMMON STORAGE AREA FAC (1-199 LB/MO)				
23	CUPA SANMATEO	WEST BAY ORTHOPAEDIC MED GRP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	221
			Facility ID: FA0026292 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
23	CUPA SANMATEO	LIN, JERRY DMD	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	222
			Facility ID: FA0026376 ***Billing Status | Program Element:*** Inactive, non-billable | SQG PHOTO WASTE (<100KG/MO), Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION				
23	CUPA SANMATEO	SCIBAC, INC.	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	222
			Facility ID: FA0064125 ***Billing Status | Program Element:*** Active, billable | STORES MV FUELS OR WASTE ONLY, Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO), Active, billable | GENERATES <27 GAL/YEAR				
23	CUPA SANMATEO	DOUGLAS H MILLER, DDS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	222
			Facility ID: FA0027750 ***Billing Status | Program Element:*** Inactive, non-billable | SQG PHOTO WASTE (<100KG/MO), Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION				
23	CUPA SANMATEO	JM COFFEE SHOP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	223
			Facility ID: FA0055000 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
23	CUPA SANMATEO	WONG DDS, DAVID G	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	223
			Facility ID: FA0028947 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
23	CUPA SANMATEO	SHEPPARD MD, BARRY B	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	223

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			Facility ID: FA0026159 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
23	CUPA SANMATEO	THE COFFEE COVE	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	223
			Facility ID: FA0050739 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
23	CUPA SANMATEO	MELAMUD UROLOGY GROUP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	223
			Facility ID: FA0044883 ***Billing Status | Program Element:*** Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION				
23	CUPA SANMATEO	EVA DWONG ACUPUNCTURE	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	224
			Facility ID: FA0056440 ***Billing Status | Program Element:*** Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION				
23	CUPA SANMATEO	PENINSULA PROFESSIONAL CENTER	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	224
			Facility ID: FA0061191 ***Billing Status | Program Element:*** Inactive, non-billable | SQG COMMON STORAGE AREA FAC (1-199 LB/MO)				
23	CUPA SANMATEO	LABCORP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	224
			Facility ID: FA0059948 ***Billing Status | Program Element:*** Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
23	CUPA SANMATEO	MILLIKEN, S & K CONSANI DDS MS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	224
			Facility ID: FA0026264 ***Billing Status | Program Element:*** Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION				
23	CUPA SANMATEO	PENINSULA ENT MEDICAL GRP, INC	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	224
			Facility ID: FA0027724 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
23	CUPA SANMATEO	GOLDSCHLAGER, ARNOLD M.D.	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	225
			Facility ID: FA0026325 ***Billing Status | Program Element:*** Inactive, non-billable | TIER 1 SQG REGISTRATION				
23	CUPA SANMATEO	AITAN MELAMUD, M.D.	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	225
			Facility ID: FA0027217 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
23	CUPA SANMATEO	BURLINGAME PODIATRY GROUP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	225
			Facility ID: FA0027787 ***Billing Status | Program Element:*** Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION				
23	CUPA SANMATEO	BURLINGAME SMILE	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	225
			Facility ID: FA0027863 ***Billing Status | Program Element:*** Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
23	CUPA SANMATEO	VIP COFFEE	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	225
			Facility ID: FA0058071 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
23	CUPA SANMATEO	GANDHI MD, RAJU	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	226
			Facility ID: FA0045019 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
23	CUPA SANMATEO	LEONARDO CAFE	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	226
			Facility ID: FA0002182 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
23	CUPA SANMATEO	QUEST DIAGNOSTICS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	226
			Facility ID: FA0022595 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO), Inactive, non-billable | LQG COMMON STORAGE AREA FAC (>200 LB/MO)				
23	CUPA SANMATEO	PENINSULA ALLERGY AND ASTHMA ASSOCIATES	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	226
			Facility ID: FA0064321 ***Billing Status | Program Element:*** Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION				
23	CUPA SANMATEO	CAFE RENA	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	226
			Facility ID: FA0059945 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
23	CUPA SANMATEO	MADANAT MD, NABEEL	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	227
			Facility ID: FA0028784 ***Billing Status | Program Element:*** Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION				
23	CUPA SANMATEO	SANDYS COFFEE HOUSE	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	227
			Facility ID: FA0055083 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
23	CUPA SANMATEO	PENINSULA WOMEN HEALTH, INC	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	227
			Facility ID: FA0027714 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
23	CUPA SANMATEO	MADANAT MD, NABEEL	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	227
			Facility ID: FA0028785 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
23	RCRA NON GEN	LINNA GOLODRIGA DDS	1828 EL CAMINO REAL STE 607 BURLINGAME CA 94010-3120 ***EPA Handler ID:*** CAL000366202	WNW	0.08 / 416.40	1	228

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
23	RCRA NON GEN	JERRY LIN, DMD	1828 EL CAMINO REAL, RM. 803 BURLINGAME CA 94010-0000 ***EPA Handler ID:*** CAL000140960	WNW	0.08 / 416.40	1	229
23	RCRA NON GEN	SCIBAC INC	1828 EL CAMINO REAL STE 704 BURLINGAME CA 94010 ***EPA Handler ID:*** CAL000436004	WNW	0.08 / 416.40	1	230
23	RCRA NON GEN	NEPTUNE MEDICAL	1828 EL CAMINO REAL STE 508 BURLINGAME CA 94010 ***EPA Handler ID:*** CAL000443473	WNW	0.08 / 416.40	1	231
23	CUPA SANMATEO	HALO LABS	1828 EL CAMINO REAL BURLINGAME CA 94010 ***Facility ID:*** FA0066518 ***Billing Status | Program Element:*** Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)	WNW	0.08 / 416.40	1	232
23	RCRA NON GEN	RESPIRA THERAPEUTICS	1828 EL CAMINO REAL STE 806 BURLINGAME CA 94010 ***EPA Handler ID:*** CAL000444533	WNW	0.08 / 416.40	1	232
23	RCRA NON GEN	OPTOFLUIDICS INC DBA HALO LABS	1828 EL CAMINO REAL STE 703 BURLINGAME CA 94010 ***EPA Handler ID:*** CAL000446823	WNW	0.08 / 416.40	1	234
23	CERS HAZ	SFO46	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	235
23	CERS HAZ	AT & T MOBILITY - BURLINGAME 12701	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	236
23	RCRA SQG	SFO46	1828 EL CAMINO REAL BURLINGAME CA 94010 ***EPA Handler ID:*** CAR000317578	WNW	0.08 / 416.40	1	238
23	MED WST SANMATEO	BURLINGAME PACIFICA MED GRP INC	1828 EL CAMINO REAAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	239
23	MED WST SANMATEO	STEVEN RAIKE, DDS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	239
23	MED WST SANMATEO	LABCORP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	240
23	MED WST SANMATEO	GANDHI MD, RAJU	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	240

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
23	MED WST SANMATEO	POWERS, DIANA C., D.D. S.	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	240
23	MED WST SANMATEO	PENINSULA PROFESSIONAL CTR	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	240
23	MED WST SANMATEO	SHEPPARD MD, BARRY B	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	241
23	MED WST SANMATEO	PENINSULA SURG SPL MED GRP INC	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	241
23	MED WST SANMATEO	LIN, JERRY DMD	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	241
23	MED WST SANMATEO	WONG DDS, DAVID G	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	241
23	MED WST SANMATEO	LINNA GOLODRIGA DDS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	242
23	MED WST SANMATEO	DOUGLAS H MILLER, DDS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	242
23	MED WST SANMATEO	MADANAT MD, NABEEL	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	242
23	MED WST SANMATEO	HALO LABS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	242
23	MED WST SANMATEO	QUEST DIAGNOSTICS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	243
23	MED WST SANMATEO	MELAMUD UROLOGY GROUP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	243
23	MED WST SANMATEO	PENINSULA PROFESSIONAL CENTER	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	243

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
23	MED WST SANMATEO	HALO LABS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	243
23	MED WST SANMATEO	MILLIKEN, S & K CONSANI DDS MS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	244
23	MED WST SANMATEO	PENINSULA WOMEN HEALTH, INC	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	244
23	MED WST SANMATEO	EVA DWONG ACUPUNCTURE	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	244
23	MED WST SANMATEO	PENINSULA ALLERGY AND ASTHMA ASSOCIATES	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	244
23	MED WST SANMATEO	WEST BAY ORTHOPAEDIC MED GRP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	245
23	MED WST SANMATEO	GOLDSCHLAGER, ARNOLD M.D.	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	245
23	MED WST SANMATEO	AITAN MELAMUD, M.D.	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	245
23	MED WST SANMATEO	BURLINGAME SMILE	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	245
23	MED WST SANMATEO	MADANAT MD, NABEEL	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	246
23	MED WST SANMATEO	SCIBAC INC.	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	246
23	MED WST SANMATEO	PENINSULA ENT MEDICAL GRP, INC	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	246
23	MED WST SANMATEO	BURLINGAME PODIATRY GROUP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	246

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
23	MED WST SANMATEO	DIAZ MEDICAL GROUP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	1	247
23	RCRA NON GEN	CYSTETIC MEDICINES INC	1828 EL CAMINO REAL #806 BURLINGAME CA 94010 ***EPA Handler ID:*** CAL000459240	WNW	0.08 / 416.40	1	247
24	CUPA SANMATEO	MILLS PENINSULA HEALTH SVCS	1501 TROUSDALE BURLINGAME CA 94010 ***Facility ID:*** FA0037693 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Active, billable | UNDERGROUND TANK - GENERAL, Active, billable | GENERATES & RECYCLES WASTE OIL/SOLVENT, Active, billable | LQG COMMON STORAGE AREA FAC (>200 LB/MO), Active, billable | LQG OFF-SITE & ON-SITE TREATMENT >200 LB/MO, Active, billable | STORES MV FUELS OR WASTE ONLY, Inactive, non-billable | SQG COMMON STORAGE AREA FAC (1-199 LB/MO)	S	0.09 / 458.84	15	248
24	CUPA SANMATEO	PENINSULA MEDICAL CENTER	1501 TROUSDALE BURLINGAME CA 94010 ***Facility ID:*** FA0017983 ***Billing Status | Program Element:*** Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF, Inactive, non-billable | TIER I: TANK STOR CAP =>1,320 & <5,000 GAL, Inactive, non-billable | COND EXEMPT - SPECIAL WASTES, Inactive, non-billable | GENERATES & RECYCLES WASTE OIL/SOLVENT, Inactive, non-billable | UNDERGROUND TANK - GENERAL, Inactive, non-billable | COND EXEMPT - SPECIAL WASTES, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | COND EXEMPT - SPECIAL WASTES	S	0.09 / 458.84	15	248
24	CERS TANK	MILLS PENINSULA HEALTH SVCS	1501 TROUSDALE DR BURLINGAME CA 94010 ***Site ID:*** 49215	S	0.09 / 458.84	15	249
24	UST	MILLS PENINSULA HEALTH SVCS	1501 TROUSDALE DR BURLINGAME CA 94010 ***Facility ID:*** 201227_037693	S	0.09 / 458.84	15	265
24	EMISSIONS	MILLS PENINSULA MEDICAL CENTER	1501 TROUSDALE DRIVE BURLINGAME CA 94010	S	0.09 / 458.84	15	265
24	CUPA SANMATEO	MILLS PENINSULA MEDICAL CTR-KITCHEN	1501 TROUSDALE BURLINGAME CA 94010 ***Facility ID:*** FA0026646 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS	S	0.09 / 458.84	15	268
24	CUPA SANMATEO	PALO ALTO MEDICAL FOUNDATION	1501 TROUSDALE BURLINGAME CA 94010 ***Facility ID:*** FA0047990 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)	S	0.09 / 458.84	15	268
24	RCRA NON GEN	SUTTER BAY HOSPITALS DBA MILLS-PENINSULA MEDICAL CENTER	1501 TROUSDALE DR BURLINGAME CA 94010-0000 ***EPA Handler ID:*** CAD071873673	S	0.09 / 458.84	15	268

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
24	RCRA NON GEN	SUTTER BAY MEDICAL FOUNDATION	1501B TROUSDALE DRIVE BURLINGAME CA 94010 ***EPA Handler ID:*** CAC002999082	S	0.09 / 458.84	15	270
24	EMISSIONS	ECRPA LLC	1501 TROUSDALE DRIVE BURLINGAME CA 94010	S	0.09 / 458.84	15	271
24	RCRA NON GEN	SUTTER BAY MEDICAL FOUNDATION DBA PAMF	1501B TROUSDALE DR BURLINGAME CA 94010 ***EPA Handler ID:*** CAL000448229	S	0.09 / 458.84	15	271
24	EMISSIONS	AG-LO 1720 EL CAMINO OWNER LLC	1501 TROUSDALE DRIVE BURLINGAME CA 94010	S	0.09 / 458.84	15	272
24	RCRA NON GEN	MILLS PENINSULA MEDICAL CENTER	1501 TROUSDALE DRIVE BURLINGAME CA 94010 ***EPA Handler ID:*** CAC003076890	S	0.09 / 458.84	15	273
24	MED WST SANMATEO	PENINSULA MEDICAL CENTER	1501 TROUSDALE BURLINGAME CA 94010	S	0.09 / 458.84	15	274
24	MED WST SANMATEO	MILLS PENINSULA HEALTH SVCS	1501 TROUSDALE BURLINGAME CA 94010	S	0.09 / 458.84	15	274
24	MED WST SANMATEO	PALO ALTO MEDICAL FOUNDATION	1501 TROUSDALE BURLINGAME CA 94010	S	0.09 / 458.84	15	274
24	MED WST SANMATEO	PENINSULA MEDICAL CENTER	1501 TROUSDALE BURLINGAME CA 94010	S	0.09 / 458.84	15	274
25	CUPA SANMATEO	BAY WATCH RESTAURANT	1841 EL CAMINO REAL BURLINGAME CA 94010 ***Facility ID:*** FA0026496 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS	WNW	0.09 / 460.62	3	275
26	CERS HAZ	GUITTARD CHOCOLATE CO	10 GUITTARD RD BURLINGAME CA 94010	NE	0.09 / 479.06	-11	275
26	EMISSIONS	GUITTARD CHOCOLATE COMPANY	10 GUITTARD ROAD BURLINGAME CA 94010	NE	0.09 / 479.06	-11	281
26	RCRA NON GEN	GUITTARD CHOCOLATE CO	10 GUITTARD RD BURLINGAME CA 94011-0000	NE	0.09 / 479.06	-11	290

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			EPA Handler ID: CAD981451271				
27	CUPA SANMATEO	HAPPY CHEF GARDEN INC	1520 TROUSDALE BURLINGAME CA 94010	WSW	0.10 / 527.41	12	291
			Facility ID: FA0053073 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
27	CUPA SANMATEO	HAPPY CHEF	1520 TROUSDALE BURLINGAME CA 94010	WSW	0.10 / 527.41	12	291
			Facility ID: FA0000523 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
28	CUPA SANMATEO	STAFF BUILDERS HEALTH CARE SVC	1838 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.10 / 537.08	2	291
			Facility ID: FA0023364 ***Billing Status | Program Element:*** Inactive, non-billable | SQG WITH TRANSPORT				
28	CUPA SANMATEO	TENDER LOVING CARE	1838 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.10 / 537.08	2	292
			Facility ID: FA0026823 ***Billing Status | Program Element:*** Inactive, non-billable | SQG WITH TRANSPORT				
28	CUPA SANMATEO	ALPER, PHILLIP R., M.D.	1838 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.10 / 537.08	2	292
			Facility ID: FA0026326 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
28	CUPA SANMATEO	LEMI MEDICAL CENTER	1838 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.10 / 537.08	2	292
			Facility ID: FA0029157 ***Billing Status | Program Element:*** Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
28	MED WST SANMATEO	ALPER, PHILLIP R., M.D.	1838 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.10 / 537.08	2	292
28	MED WST SANMATEO	LEMI MEDICAL CENTER	1838 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.10 / 537.08	2	293
28	MED WST SANMATEO	STAFF BUILDERS HEALTH CARE SVC	1838 EL CAMINO REAL #109 BURLINGAME CA 94010	WNW	0.10 / 537.08	2	293
28	MED WST SANMATEO	TENDER LOVING CARE	1838 EL CAMINO REAL 109 BURLINGAME CA 94010	WNW	0.10 / 537.08	2	293
29	RCRA NON GEN	RICHARD STONE DPM	1515 TROUSDALE, #200 BURLINGAME CA 94010-0000 ***EPA Handler ID:*** CAL000093553	WSW	0.11 / 557.43	14	293
30	RCRA SQG	STEVES CLEANERS	1560 TROUSDALE DR BURLINGAME CA 94010	WSW	0.11 / 563.43	13	294
			EPA Handler ID: CAD981632698				
30	CLEANUP SITES	LUX CLEANERS (FORMER)	1560 TROUSDALE DRIVE BURLINGAME CA 94010	WSW	0.11 / 563.43	13	295

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			***Site Facility Type	Status:*** CLEANUP PROGRAM SITE | OPEN - SITE ASSESSMENT			
30	DELISTED COUNTY	LUX CLEANERS (FORMER)	1560 TROUSDALE DR BURLINGAME CA	WSW	0.11 / 563.43	13	308
30	DRYCLEANERS	MILLS ESTATES CLEANERS	1560 TROUSDALE DR BURLINGAME CA 940100000	WSW	0.11 / 563.43	13	308
30	DRYCLEANERS	PRIMO CLEANERS	1560 TROUSDALE DRIVE BURLINGAME CA 940100000	WSW	0.11 / 563.43	13	308
30	DRYCLEANERS	LUX CLEANERS	1560 TROUSDALE DR BURLINGAME CA 94010	WSW	0.11 / 563.43	13	309
30	DRYCLEANERS	LUX CLEANERS	1560 TROUSDALE DR BURLINGAME CA 940104507	WSW	0.11 / 563.43	13	309
30	CUPA SANMATEO	PRIMO CLEANERS	1560 TROUSDALE BURLINGAME CA 94010	WSW	0.11 / 563.43	13	309
			Facility ID: FA0018041 ***Billing Status | Program Element:*** Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF, Inactive, non-billable | GENERATES <27 GAL/YEAR				
30	CUPA SANMATEO	LUX CLEANERS	1560 TROUSDALE BURLINGAME CA 94010	WSW	0.11 / 563.43	13	310
			Facility ID: FA0059981 ***Billing Status | Program Element:*** Active, billable | GENERATES <27 GAL/YEAR, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
30	EMISSIONS	STEVE'S CLEANERS	1560 TROUSDALE DRIVE BURLINGAME CA 94010	WSW	0.11 / 563.43	13	310
30	EMISSIONS	ONE HOUR MARTINIZING	1560 TROUSDALE DRIVE BURLINGAME CA 94010	WSW	0.11 / 563.43	13	311
30	EMISSIONS	LUX CLEANERS	1560 TROUSDALE DRIVE BURLINGAME CA 94010	WSW	0.11 / 563.43	13	312
30	FED DRYCLEANERS	LUX CLEANERS	1560 TROUSDALE DRIVE BURLINGAME CA 94010	WSW	0.11 / 563.43	13	317
30	RCRA NON GEN	LUX CLEANERS	1560 TROUSDALE DR BURLINGAME CA 94010	WSW	0.11 / 563.43	13	317
			EPA Handler ID: CAL000399397				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
30	LOP SANMATEO	LUX CLEANERS (FORMER)	1560 TROUSDALE DR BURLINGAME CA ***Case No:*** 669117 ***Status:*** 3B- Preliminary Assessment Underway	WSW	0.11 / 563.43	13	318
30	DRYCLEANERS	LUX CLEANERS	1560 TROUSDALE DRIVE BURLINGAME CA 94010	WSW	0.11 / 563.43	13	319
30	RCRA SQG	LUX CLEANERS	1560 TROUSDALE DR BURLINGAME CA 94010 ***EPA Handler ID:*** CAR000321539	WSW	0.11 / 563.43	13	319
30	RCRA SQG	PEDERSEN & PEDERSEN	1560 TROUSDALE DR BURLINGAME CA 94010 ***EPA Handler ID:*** CAP000320515	WSW	0.11 / 563.43	13	320
30	RCRA NON GEN	LUX CLEANERS	1560 TROUSDALE DRIVE BURLINGAME CA 94010 ***EPA Handler ID:*** CAC003100101	WSW	0.11 / 563.43	13	322
31	CUPA SANMATEO	UNITED DENTAL GROUP	1840 EL CAMINO REAL BURLINGAME CA 94010 ***Facility ID:*** FA0041841 ***Billing Status | Program Element:*** Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION	WNW	0.12 / 612.45	2	323
31	MED WST SANMATEO	UNITED DENTAL GROUP	1840 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.12 / 612.45	2	323
32	CUPA SANMATEO	BAGGYS LIQUORS	1535 PLAZA BURLINGAME CA 94010 ***Facility ID:*** FA0000512 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS	W	0.12 / 630.99	7	323
33	CUPA SANMATEO	BURLINGAME FAMILY PET HOSPITAL	1808 MAGNOLIA BURLINGAME CA 94010 ***Facility ID:*** FA0026344 ***Billing Status | Program Element:*** Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO), Inactive, non-billable | SQG PHOTO WASTE (<100KG/MO)	WSW	0.12 / 641.78	15	323
33	RCRA NON GEN	BURLINGAME FAMILY PET HOSPITAL	1808 MAGNOLIA AVE BURLINGAME CA 94010- 0000 ***EPA Handler ID:*** CAL000087737	WSW	0.12 / 641.78	15	324
33	MED WST SANMATEO	BURLINGAME FAMILY PET HOSPITAL	1808 MAGNOLIA BURLINGAME CA 94010	WSW	0.12 / 641.78	15	325
34	EMISSIONS	BAY AREA VEIN & VASCULAR CENTER	1850 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.13 / 662.79	2	325
34	CUPA SANMATEO	BAY AREA VEIN & VASCULAR CENTER	1850 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.13 / 662.79	2	326

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			Facility ID: FA0054032 ***Billing Status | Program Element:*** Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
34	MED WST SANMATEO	BAY AREA VEIN & VASCULAR CENTER	1850 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.13 / 662.79	2	326
35	CUPA SANMATEO	VNA & HOSPICE OF NORTHERN CA	1600 TROUSDALE BURLINGAME CA 94010	WSW	0.13 / 670.14	16	327
			Facility ID: FA0014245 ***Billing Status | Program Element:*** Inactive, non-billable | SQG WITH TRANSPORT				
35	CUPA SANMATEO	CHEMICAL DEPENDENCY CENTER	1600 TROUSDALE BURLINGAME CA 94010	WSW	0.13 / 670.14	16	327
			Facility ID: FA0027855 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
35	MED WST SANMATEO	CHEMICAL DEPENDENCY CENTER	1600 TROUSDALE BURLINGAME CA 94010	WSW	0.13 / 670.14	16	327
35	MED WST SANMATEO	VNA & HOSPICE OF NORTHERN CA	1600 TROUSDALE AVE BURLINGAME CA 94010	WSW	0.13 / 670.14	16	327
36	CUPA SANMATEO	NEALS COFFEE SHOP	1845 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.13 / 685.51	4	328
			Facility ID: FA0000488 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
37	DELISTED COUNTY	SCHULZE MANUFACTURING	50 INGOLD RD BURLINGAME CA	E	0.14 / 712.92	-11	328
37	SSTS	GARRATT-CALLAHAN CO	50 INGOLD RD - BURLINGAME CA 94010	E	0.14 / 712.92	-11	328
37	LOP SANMATEO	SCHULZE MANUFACTURING	50 INGOLD RD BURLINGAME CA	E	0.14 / 712.92	-11	328
			Case No: 669095 ***Status:*** 9- Case Closed				
38	MED WST SANMATEO	BURLINGAME FAMILY PET HOSPITAL	1828 MAGNOLIA BURLINGAME CA 94010	W	0.14 / 715.32	17	329
39	CUPA SANMATEO	SEES CANDIES #22	1843 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.14 / 719.76	4	329
			Facility ID: FA0002821 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
40	CUPA SANMATEO	PROVIDENT CENTRAL CREDIT UNION	1825 MAGNOLIA BURLINGAME CA 94010	W	0.14 / 732.93	17	329
			Facility ID: FA0016672 ***Billing Status | Program Element:*** Inactive, non-billable | UNDERGROUND TANK - GENERAL				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
40	UST SWEEPS	PROVIDENT CENTRAL CREDIT UNION	1825 MAGNOLIA AVE BURLINGAME CA	W	0.14 / 732.93	17	329
			***C C	Status:*** I41-000-660006 | INACTIVE ***Tank ID:*** 000001			
41	CUPA SANMATEO	HEALTH DIAGNOSTICS OF CALIFORNIA	1860 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.14 / 735.32	3	330
			Facility ID: FA0045141 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
41	CUPA SANMATEO	PLASTIC SURGERY SPECIALISTS	1860 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.14 / 735.32	3	330
			Facility ID: FA0029158 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
41	CUPA SANMATEO	NORTHERN CA PRIMARY CARE ASSOC	1860 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.14 / 735.32	3	330
			Facility ID: FA0026189 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
41	MED WST SANMATEO	PLASTIC SURGERY SPECIALISTS	1860 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.14 / 735.32	3	330
41	MED WST SANMATEO	NORTHERN CA PRIMARY CARE ASSOC	1860 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.14 / 735.32	3	331
41	MED WST SANMATEO	HEALTH DIAGNOSTICS OF CALIFORNIA	1860 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.14 / 735.32	3	331
42	CUPA SANMATEO	MAGNOLIA GARDENS CARE CENTER	1609 TROUSDALE BURLINGAME CA 94010	WSW	0.14 / 748.71	16	331
			Facility ID: FA0026321 ***Billing Status | Program Element:*** Inactive, non-billable | STORES HAZ MAT <1,199GAL,9,999LB, 4,799CF, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
42	CUPA SANMATEO	SKILLED NURSING FACILITY	1609 TROUSDALE BURLINGAME CA 94010	WSW	0.14 / 748.71	16	331
			Facility ID: FA0040235 ***Billing Status | Program Element:*** Inactive, non-billable | SQG HEALTH FACILITY/SNF (1-199 LB/MO), Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
42	CUPA SANMATEO	PENINSULA POST ACUTE	1609 TROUSDALE BURLINGAME CA 94010	WSW	0.14 / 748.71	16	332
			Facility ID: FA0057767 ***Billing Status | Program Element:*** Active, billable | SQG HEALTH FACILITY/SNF (1-199 LB/MO), Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
42	CUPA SANMATEO	MAGNOLIA GARDENS	1609 TROUSDALE BURLINGAME CA 94010	WSW	0.14 / 748.71	16	332
			Facility ID: FA0001477 ***Billing Status | Program Element:*** Inactive, non-billable | SQG HEALTH FACILITY/SNF (1-199 LB/MO)				
42	MED WST SANMATEO	MAGNOLIA GARDENS	1609 TROUSDALE BURLINGAME CA 94010	WSW	0.14 / 748.71	16	332

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
42	MED WST SANMATEO	SKILLED NURSING FACILITY	1609 TROUSDALE BURLINGAME CA 94010	WSW	0.14 / 748.71	16	332
42	MED WST SANMATEO	PENINSULA POST ACUTE	1609 TROUSDALE BURLINGAME CA 94010	WSW	0.14 / 748.71	16	333
43	CUPA SANMATEO	TOUS LES JOURS BAKERY	1849 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.14 / 758.09	4	333
			Facility ID: FA0061849 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
43	CUPA SANMATEO	SOGO BAKERY, INC	1849 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.14 / 758.09	4	333
			Facility ID: FA0014378 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
44	CUPA SANMATEO	FIVE A CAFE	1851 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.15 / 770.90	4	333
			Facility ID: FA0002896 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
44	CUPA SANMATEO	FIVE AS CAFE	1851 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.15 / 770.90	4	333
			Facility ID: FA0055039 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
44	CUPA SANMATEO	FULL HOUSE	1851 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.15 / 770.90	4	334
			Facility ID: FA0057725 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
45	EMISSIONS	PENINSULA HEALTH CARE DISTRICT	1600 TROUSDALE DR BURLINGAME CA 94010	WSW	0.15 / 788.27	17	334
46	HHSS	TAYLER PRODUCTS CORPORATION	40 BRODERICK ROAD BURLINGAME CA 94010	N	0.15 / 795.71	-12	334
46	HIST TANK	TAYLER PRODUCTS CORPORATION	40 BRODERICK ROAD BURLINGAME CA	N	0.15 / 795.71	-12	334
47	CUPA SANMATEO	SUBWAY SANDWICHES & SALADS	1857 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.15 / 809.40	5	335
			Facility ID: FA0028235 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
48	CUPA SANMATEO	YAO SUSHI	1861 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.16 / 835.14	6	335
			Facility ID: FA0029654 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
48	CUPA SANMATEO	SUSHI SADA	1861 EL CAMINO REAL BURLINGAME CA 94402	WNW	0.16 / 835.14	6	335
			Facility ID: FA0054368 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
48	CUPA SANMATEO	RAMEN HACHI	1861 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.16 / 835.14	6	335
			Facility ID: FA0062032 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
48	CUPA SANMATEO	SUSHI SADA	1861 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.16 / 835.14	6	336
			Facility ID: FA0059941 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
49	CUPA SANMATEO	PEGGY AMBUS, D.D.S.	1870 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.16 / 856.00	3	336
			Facility ID: FA0026547 ***Billing Status | Program Element:*** Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION, Inactive, non-billable | GENERATES <27 GAL/YEAR				
49	CUPA SANMATEO	ZIGRANG, WILLIAM D., MD	1870 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.16 / 856.00	3	336
			Facility ID: FA0026286 ***Billing Status | Program Element:*** Inactive, non-billable | SQG COMMON STORAGE AREA FAC (1-199 LB/MO)				
49	MED WST SANMATEO	PEGGY AMBUS, D.D.S.	1870 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.16 / 856.00	3	336
49	MED WST SANMATEO	ZIGRANG, WILLIAM D., MD	1870 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.16 / 856.00	3	336
50	CUPA SANMATEO	STARBUCKS COFFEE	1865 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.16 / 860.92	5	337
			Facility ID: FA0028550 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
51	ENVIROSTOR	TAYLER PRODUCTS CORPORATION	40 BRODERICK RD BURLINGAME CA 94010	N	0.17 / 915.86	-10	337
			Estor/EPA ID | Cleanup Status: 41280123 | NO FURTHER ACTION AS OF 3/25/1995				
52	CUPA SANMATEO	CVS Pharmacy # 9811	1871 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.17 / 923.23	5	338
			Facility ID: FA0045571 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO), Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Active, billable | GEN EXTREMELY HAZARDOUS WASTE - RCRA				
52	CUPA SANMATEO	LONGS DRUG STORES #089	1871 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.17 / 923.23	5	338
			Facility ID: FA0016455 ***Billing Status | Program Element:*** Inactive, non-billable | COND EXEMPT - SPECIAL WASTES, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF, Inactive, non-billable | GENERATES & RECYCLES WASTE OIL/SOLVENT				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
52	CUPA SANMATEO	LONGS DRUG STORE #89	1871 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.17 / 923.23	5	339
			Facility ID: FA0002770 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
52	CUPA SANMATEO	MINUTECLINIC DIAG MED GRP OF CA INC	1871 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.17 / 923.23	5	339
			Facility ID: FA0054003 ***Billing Status | Program Element:*** Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION				
52	MED WST SANMATEO	CVS PHARMACY # 9811	1871 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.17 / 923.23	5	339
52	MED WST SANMATEO	MINUTECLINIC DIAG MED GRP OF CA INC	1871 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.17 / 923.23	5	339
53	CUPA SANMATEO	BEVERLY COAT HANGER CO	35 INGOLD BURLINGAME CA 94010	E	0.18 / 963.46	-11	339
			Facility ID: FA0065359 ***Billing Status | Program Element:*** Active, billable | GENERATES <27 GAL/YEAR, Active, billable | STORES MV FUELS OR WASTE ONLY				
54	CUPA SANMATEO	HOLIDAY CLEANERS	1883 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.18 / 964.84	6	340
			Facility ID: FA0040429 ***Billing Status | Program Element:*** Active, billable | GENERATES <27 GAL/YEAR, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
54	CLEANUP SITES	HOLIDAY CLEANERS	1883 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.18 / 964.84	6	340
			Site Facility Type | Status: CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED				
54	DRYCLEANERS	HOLIDAY CLEANERS	1883 EL CAMINO REAL BURLINGAME CA 940100000	WNW	0.18 / 964.84	6	345
54	DRYCLEANERS	HOLIDAY CLEANERS	1883 EL CAMINO REAL BURLINGAME CA 940103220	WNW	0.18 / 964.84	6	345
54	CUPA SANMATEO	HOLIDAY CLEANERS	1883 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.18 / 964.84	6	346
			Facility ID: FA0007528 ***Billing Status | Program Element:*** Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | GENERATES <27 GAL/YEAR				
54	EMISSIONS	HOLIDAY CLEANERS	1883 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.18 / 964.84	6	346
54	FED DRYCLEANERS	HOLIDAY CLEANERS	1883 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.18 / 964.84	6	352
55	CALSITES	TAYLER PRODUCTS CORPORATION	40 BRODERICK BURLINGAME CA 94010	NNE	0.18 / 973.83	-11	353

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
56	LOP SANMATEO	UNOCAL #3798	1876 EL CAMINO REAL BURLINGAME CA	WNW	0.19 / 990.22	3	353
			Case No: 660031 ***Status:*** 5C- Pollution Characterization				
56	DELISTED TNK	TOSCO SITE 30564	1876 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.19 / 990.22	3	353
56	LUST	UNOCAL STATION #3798	1876 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.19 / 990.22	3	354
			Global ID | Status | Status Date: T0608100575 | OPEN - REMEDIATION | 1/6/2016				
56	HHSS	UNION OIL SS 3798	1876 EL CAMINO REAL BURLINGAME CA 94011	WNW	0.19 / 990.22	3	423
56	CUPA SANMATEO	BURLINGAME 76 #253798	1876 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.19 / 990.22	3	423
			Facility ID: FA0017999 ***Billing Status | Program Element:*** Inactive, non-billable | GENERATES <27 GAL/YEAR, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | STORES MV FUELS OR WASTE ONLY, Inactive, non-billable | UNDERGROUND TANK - GENERAL				
56	CERS TANK	BURLINGAME 76	1876 EL CAMINO REAL BURLINGAME CA 94011	WNW	0.19 / 990.22	3	423
			Site ID: 100646				
56	HIST TANK	UNION OIL SS# 3798	1876 EL CAMINO REAL BURLINGAME CA	WNW	0.19 / 990.22	3	433
56	CUPA SANMATEO	BURLINGAME 76	1876 EL CAMINO REAL BURLINGAME CA 94011	WNW	0.19 / 990.22	3	433
			Facility ID: FA0040156 ***Billing Status | Program Element:*** Inactive, non-billable | GENERATES & RECYCLES WASTE OIL/SOLVENT, Active, billable | UNDERGROUND TANK - GENERAL, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | GENERATES <27 GAL/YEAR, Active, billable | STORES MV FUELS OR WASTE ONLY				
56	EMISSIONS	BURLINGAME 76	1876 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.19 / 990.22	3	433
56	UST SWEEPS	UNION OIL SERVICE STATION 3798	1876 EL CAMINO REAL BURLINGAME CA	WNW	0.19 / 990.22	3	434
			C C | Status: A41-000-660048 | ACTIVE ***Tank ID:*** 000002, 000001, 000003				
57	CUPA SANMATEO	VECTOR LABORATORIES INC	30 INGOLD BURLINGAME CA 94010	ENE	0.20 / 1,063.51	-12	435
			Facility ID: FA0009840 ***Billing Status | Program Element:*** Active, billable | GENERATES & RECYCLES WASTE OIL/SOLVENT, Active, billable | STORES HAZ MAT <1,199GAL,9,999LB,4,799CF, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				

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58	CUPA SANMATEO	SEES CANDIES, INC	1760 ROLLINS BURLINGAME CA 94010	NE	0.21 / 1,101.54	-12	435
			Facility ID: FA0027015 ***Billing Status | Program Element:*** Active, billable | GENERATES & RECYCLES WASTE OIL/SOLVENT, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Active, billable | STORES MV FUELS OR WASTE ONLY				
59	CLEANUP SITES	SCHULZE MANUFACTURING	50 INGOLD BURLINGAME CA 94010	ENE	0.21 / 1,102.96	-12	435
			Site Facility Type | Status: CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED				
59	CUPA SANMATEO	Garratt-Callahan Company	50 INGOLD BURLINGAME CA 94010	ENE	0.21 / 1,102.96	-12	438
			Facility ID: FA0029565 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL INSPECTION FEE, Active, billable | STORES HAZ MAT >32000GAL, 224000LB, 112000CF, Active, billable | GEN <1 TONS HAZ WASTE/YR				
59	CUPA SANMATEO	SCHULZE MANUFACTURING	50 INGOLD BURLINGAME CA 94010	ENE	0.21 / 1,102.96	-12	438
			Facility ID: FA0007568 ***Billing Status | Program Element:*** Inactive, non-billable | GENERATES & RECYCLES WASTE OIL/SOLVENT, Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
60	CUPA SANMATEO	REGIONAL OCCUPATIONAL PROGRAM	1800 ROLLINS BURLINGAME CA 94010	NE	0.21 / 1,115.90	-11	439
			Facility ID: FA0010518 ***Billing Status | Program Element:*** Inactive, non-billable | GENERATES <27 GAL/YEAR, Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
60	EMISSIONS	SAN MATEO COUNTY OFFICE OF EDUCATION	1800 ROLLINS ROAD BURLINGAME CA 94010	NE	0.21 / 1,115.90	-11	439
60	EMISSIONS	SAN MATEO COUNTY OFFICE OF EDU	1800 ROLLINS ROAD BURLINGAME CA 94010	NE	0.21 / 1,115.90	-11	440
60	CUPA SANMATEO	DESIGN TECH HIGH SCHOOL	1800 ROLLINS BURLINGAME CA 94010	NE	0.21 / 1,115.90	-11	446
			Facility ID: FA0058962 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
61	CUPA SANMATEO	CAMELLIA HEALTH CENTER	199 CALIFORNIA MILLBRAE CA 94030	NW	0.22 / 1,139.82	-4	446
			Facility ID: FA0053368 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
61	CUPA SANMATEO	CABRAL DDS, ANGELICA	199 CALIFORNIA MILLBRAE CA 94030	NW	0.22 / 1,139.82	-4	446
			Facility ID: FA0049751 ***Billing Status | Program Element:*** Inactive, non-billable | TIER 1 SQG REGISTRATION				
61	MED WST SANMATEO	CABRAL DDS, ANGELICA	199 CALIFORNIA MILLBRAE CA 94030	NW	0.22 / 1,139.82	-4	446

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61	MED WST SANMATEO	CAMELLIA HEALTH CENTER	199 CALIFORNIA MILLBRAE CA 94030	NW	0.22 / 1,139.82	-4	446
62	RCRA TSD	FORTE PRESS CORPORATION	1835 ROLLINS ROAD BURLINGAME CA 94010 ***EPA Handler ID:*** CAC003017766	NNE	0.22 / 1,154.85	-10	447
63	CUPA SANMATEO	ALBERTSON	43 MURCHISON MILLBRAE CA 94030 ***Facility ID:*** FA0027274 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | GENERATES <27 GAL/YEAR	WNW	0.22 / 1,162.79	9	448
64	CUPA SANMATEO	Lucky #726	45 Murchison MILLBRAE CA 94030 ***Facility ID:*** FA0000984 ***Billing Status | Program Element:*** Active, billable | GEN <1 TONS HAZ WASTE/YR, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Active, billable | STORES MV FUELS OR WASTE ONLY, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS	WNW	0.22 / 1,166.09	9	448
65	RCRA TSD	DIJEAU POAGE CONSTRUCTION INC	1832 ROLLINS RD BURLINGAME CA 94010 ***EPA Handler ID:*** CAL000446619	NNE	0.22 / 1,184.02	-11	448
66	CUPA SANMATEO	NEXT CENTURY POWER INC	1832 ROLLINS BURLINGAME CA 94010 ***Facility ID:*** FA0025211 ***Billing Status | Program Element:*** Inactive, non-billable | GENERATES & RECYCLES WASTE OIL/SOLVENT, Inactive, non-billable | STORES HAZ MAT <1,199GAL,9,999LB,4,799CF	NNE	0.22 / 1,185.77	-11	449
67	CUPA SANMATEO	CITY OF BURLINGAME ROLLINS GENERATOR 1	1740 ROLLINS BURLINGAME CA 94010 ***Facility ID:*** FA0054563 ***Billing Status | Program Element:*** Active, billable | STORES MV FUELS OR WASTE ONLY, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS	ENE	0.23 / 1,194.92	-11	450
68	EMISSIONS	ALBERTSONS #7143	45 MURCHISON DRIVE MILLBRAE CA 94030	WNW	0.23 / 1,198.48	10	450
68	EMISSIONS	LUCKY #726	45 MURCHISON DRIVE MILLBRAE CA 94030	WNW	0.23 / 1,198.48	10	451
68	EMISSIONS	ALBERTSONS #7143	45 MURCHISON DRIVE MILLBRAE CA	WNW	0.23 / 1,198.48	10	455
68	EMISSIONS	ALBERTSON'S,LLC #7143	45 MURCHISON DRIVE MILLBRAE CA 94030	WNW	0.23 / 1,198.48	10	456
68	RECYCLING	RECYCLO	45 MURCHISON DR MILLBRAE CA 94030	WNW	0.23 / 1,198.48	10	457

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68	ALT FUELS	Friendship Plaza in Millbrae	45 Murchison Dr Millbrae CA 94030	WNW	0.23 / 1,198.48	10	457
69	LUST	TEXACO SERVICE STATION 35-2469, FORMER	130 SOUTH EL CAMINO REAL MILLBRAE CA 940303121	NW	0.23 / 1,213.24	5	458
			Global ID | Status | Status Date: T0608164207 | COMPLETED - CASE CLOSED | 12/27/2017				
70	CUPA SANMATEO	CHIPOTLE MEXICAN GRILL	135 EL CAMINO REAL MILLBRAE CA 94107	WNW	0.23 / 1,221.03	8	477
			Facility ID: FA0031291 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
70	CUPA SANMATEO	Chipotle Mexican Grill #934	135 EL CAMINO REAL MILLBRAE CA 94030	WNW	0.23 / 1,221.03	8	478
			Facility ID: FA0064742 ***Billing Status | Program Element:*** Active, billable | STORES HAZ MAT <219GAL,1,999LB, 879CF				
71	DRYCLEANERS	CLARKS COIL LAUNDRY	1846 ROLLINS RD BURLINGAME CA 94010	NNE	0.24 / 1,244.14	-12	478
72	EMISSIONS	CITY OF BURLINGAME	1740 ROLLINS ROAD BURLINGAME CA 94010	ENE	0.24 / 1,252.76	-11	478
73	SCH	ROLLINS ROAD SCHOOL SITE	1800 ROLLINS ROAD BURLINGAME CA 94010	NE	0.24 / 1,260.07	-11	483
			Estor/EPA ID | Cleanup Status: 70000117 | INACTIVE - NEEDS EVALUATION AS OF 10/27/2005				
73	ENVIROSTOR	ROLLINS ROAD SCHOOL SITE	1800 ROLLINS ROAD BURLINGAME CA 94010	NE	0.24 / 1,260.07	-11	484
			Estor/EPA ID | Cleanup Status: 70000117 | INACTIVE - NEEDS EVALUATION AS OF 10/27/2005				
74	CUPA SANMATEO	ROYAL ATHLETIC CLUB	1718 ROLLINS BURLINGAME CA 94010	ENE	0.24 / 1,273.58	-12	484
			Facility ID: FA0015015 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
75	CUPA SANMATEO	BURLINGAME FAMILY HEALTH	1820 OGDEN BURLINGAME CA 94010	WSW	0.25 / 1,294.01	30	484
			Facility ID: FA0026176 ***Billing Status | Program Element:*** Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
75	CUPA SANMATEO	BIO REFERENCE LABORATORIES INC	1820 OGDEN BURLINGAME CA 94010	WSW	0.25 / 1,294.01	30	484
			Facility ID: FA0054704 ***Billing Status | Program Element:*** Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
75	MED WST SANMATEO	BIO REFERENCE LABORATORIES INC	1820 OGDEN BURLINGAME CA 94010	WSW	0.25 / 1,294.01	30	485
75	MED WST SANMATEO	BURLINGAME FAMILY HEALTH	1820 OGDEN BURLINGAME CA 94010	WSW	0.25 / 1,294.01	30	485

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76	CUPA SANMATEO	SUNRISE SENIOR LIVING	1818 TROUSDALE BURLINGAME CA 94010	WSW	0.25 / 1,298.25	31	485
			Facility ID: FA0059204 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Active, billable | STORES MV FUELS OR WASTE ONLY, Active, billable | GENERATES <27 GAL/YEAR				
76	CUPA SANMATEO	SUNRISE OF BURLINGAME	1818 TROUSDALE BURLINGAME CA 94010	WSW	0.25 / 1,298.25	31	486
			Facility ID: FA0064201 ***Billing Status | Program Element:*** Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)				
76	EMISSIONS	SUNRISE SENIOR LIVING	1818 TROUSDALE DRIVE BURLINGAME CA 94010	WSW	0.25 / 1,298.25	31	486
76	MED WST SANMATEO	SUNRISE OF BURLINGAME	1818 TROUSDALE BURLINGAME CA 94010	WSW	0.25 / 1,298.25	31	486
77	CUPA SANMATEO	PRIME TIME ATHLETIC CLUB	1730 ROLLINS BURLINGAME CA 94010	ENE	0.25 / 1,307.19	-13	486
			Facility ID: FA0008055 ***Billing Status | Program Element:*** Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | CALARP - GENERAL				
78	LUST	DEVINCENZI METAL PRODUCTS	230 ADRIAN MILLBRAE CA 94030	NNW	0.28 / 1,466.57	-11	487
			Global ID | Status | Status Date: T0608100904 | COMPLETED - CASE CLOSED | 5/23/2006				
79	LUST	GARRATT CALLAHAN COMPANY	111 ROLLINS RD MILLBRAE CA 94030	N	0.29 / 1,519.24	-12	492
			Global ID | Status | Status Date: T0608100728 | COMPLETED - CASE CLOSED | 1/26/1995				
80	RCRA TSD	CALIFORNIA PACIFIC PROPERTIES, LLC	1801 MURCHISON SUITE # 310 BURLINGAME CA 94010 ***EPA Handler ID:*** CAC003012171	W	0.30 / 1,560.78	30	494
81	LOP SANMATEO	TRAFFIC INTERNATIONAL CORP.	1660 ROLLINS RD BURLINGAME CA	E	0.30 / 1,574.32	-13	495
			Case No: 660045 ***Status:*** 9- Case Closed				
81	LUST	TRAFFIC INTERNATIONAL CORP.	1660 ROLLINS BURLINGAME CA 94010	E	0.30 / 1,574.32	-13	496
			Global ID | Status | Status Date: T0608100549 | COMPLETED - CASE CLOSED | 10/4/2002				
82	LUST	CATERAIR INTERNATIONAL	50 ADRIAN BURLINGAME CA 94010	NNE	0.32 / 1,713.63	-13	498
			Global ID | Status | Status Date: T0608100693 | COMPLETED - CASE CLOSED | 1/15/1995				
83	LOP SANMATEO	HIRAM WALKER	1645 ROLLINS RD BURLINGAME CA	E	0.33 / 1,737.32	-11	500
			Case No: 660044 ***Status:*** 9- Case Closed				

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83	LUST	HIRAM WALKER	1645 ROLLINS BURLINGAME CA 94010	E	0.33 / 1,737.32	-11	500
			***Global ID	Status	Status Date:*** T0608100259 | COMPLETED - CASE CLOSED | 1/27/1998		
84	LOP SANMATEO	MILLS HIGH SCHOOL	400 MURCHISON DR MILLBRAE CA	W	0.33 / 1,753.41	46	502
			Case No: 990020 ***Status:*** 9- Case Closed				
84	LUST	MILLS HIGH SCHOOL	400 MURCHISON MILLBRAE CA 94030	W	0.33 / 1,753.41	46	503
			***Global ID	Status	Status Date:*** T0608101091 | COMPLETED - CASE CLOSED | 1/12/1998		
85	LOP SANMATEO	THRIFTY RENT-A-CAR	20 E ROLLINS RD MILLBRAE CA	NNW	0.33 / 1,755.71	-12	505
			Case No: 990010 ***Status:*** 9- Case Closed				
85	LOP SANMATEO	THRIFTY RENT-A-CAR	20 E ROLLINS RD MILLBRAE CA	NNW	0.33 / 1,755.71	-12	505
			Case No: 990029 ***Status:*** 9- Case Closed				
86	LOP SANMATEO	SHELL OIL	10 ROLLINS RD MILLBRAE CA	NNW	0.35 / 1,841.07	-13	505
			Case No: 990014 ***Status:*** 9- Case Closed				
86	LUST	SHELL OIL	10 ROLLINS MILLBRAE CA 94030	NNW	0.35 / 1,841.07	-13	505
			***Global ID	Status	Status Date:*** T0608101088 | COMPLETED - CASE CLOSED | 9/19/2001		
87	LOP SANMATEO	BCBM	200 E MILLBRAE AVE MILLBRAE CA	NW	0.36 / 1,897.55	0	507
			Case No: 990013 ***Status:*** 9- Case Closed				
88	LUST	BCBM	200 EAST MILLBRAE AVENUE MILLBRAE CA 94030	NNW	0.37 / 1,928.19	-10	508
			***Global ID	Status	Status Date:*** T0608100768 | COMPLETED - CASE CLOSED | 3/18/1996		
89	LOP SANMATEO	HERTZ	300 E MILLBRAE AVE MILLBRAE CA	NNW	0.37 / 1,940.34	-11	509
			Case No: 990008 ***Status:*** 9- Case Closed				
90	LUST	HERTZ	300 EAST MILLBRAE AVENUE MILLBRAE CA 94030	NNW	0.37 / 1,956.43	-11	510
			***Global ID	Status	Status Date:*** T0608100256 | COMPLETED - CASE CLOSED | 7/19/2001		
91	LOP SANMATEO	SAN FRANCISCO NEWSPAPER AGENCY	1626 ROLLINS RD BURLINGAME CA	E	0.38 / 2,022.49	-12	512
			Case No: 660021 ***Status:*** 9- Case Closed				
91	LUST	SAN FRANCISCO NEWSPAPER AGENCY	1626 ROLLINS BURLINGAME CA 94010	E	0.38 / 2,022.49	-12	512
			***Global ID	Status	Status Date:*** T0608100443 | COMPLETED - CASE CLOSED | 11/27/2002		

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92	LOP SANMATEO	UNOCAL #3676	5 EL CAMINO REAL MILLBRAE CA	NW	0.38 / 2,024.51	11	514
			Case No: 990028 ***Status:*** 5C- Pollution Characterization				
92	LUST	UNOCAL STATION #3676	5 EL CAMINO REAL MILLBRAE CA 94030	NW	0.38 / 2,024.51	11	514
			Global ID **|** ***Status*** **|** ***Status Date:*** T0608100584	OPEN - REMEDIATION	6/11/2013		
92	RCRA TSD	MILLBRAE 76 AUTO REPAIR	5 EL CAMINO REAL MILLBRAE CA 94030	NW	0.38 / 2,024.51	11	575
			EPA Handler ID: CAL000444705				
92	LUST	UNOCAL SERVICE STATION #3676	5 EL CAMINO REAL MILLBRAE CA 94030	NW	0.38 / 2,024.51	11	576
			Global ID **|** ***Status*** **|** ***Status Date:*** T10000016875	COMPLETED - CASE CLOSED	4/25/1991		
93	LUST	HANSEN PROPERTY	355 ADRIAN MILLBRAE CA 94030	NNE	0.39 / 2,047.63	-14	578
			Global ID **|** ***Status*** **|** ***Status Date:*** T0608100543	COMPLETED - CASE CLOSED	9/24/1992		
94	LUST	THRIFTY RENT-A-CAR	309 EAST MILLBRAE AVENUE MILLBRAE CA 94030	NNW	0.39 / 2,053.48	-15	580
			Global ID **|** ***Status*** **|** ***Status Date:*** T0608179893	COMPLETED - CASE CLOSED	4/8/2009		
94	LUST	THRIFTY RENT-A-CAR	309 EAST MILLBRAE AVENUE MILLBRAE CA 94030	NNW	0.39 / 2,053.48	-15	585
			Global ID **|** ***Status*** **|** ***Status Date:*** T0608100799	COMPLETED - CASE CLOSED	6/19/2001		
95	VCP	MILLBRAE BART	200 MILLBRAE AVENUE MILLBRAE CA 94030	NW	0.39 / 2,078.68	-7	587
			Estor/EPA ID **|** ***Cleanup Status:*** 60002244	ACTIVE AS OF 8/1/2015			
95	ENVIROSTOR	MILLBRAE BART	200 MILLBRAE AVENUE MILLBRAE CA 94030	NW	0.39 / 2,078.68	-7	589
			Estor/EPA ID **|** ***Cleanup Status:*** 60002244	ACTIVE AS OF 8/1/2015			
96	LOP SANMATEO	BAYSTAR MEDICAL SERVICES	1616 ROLLINS RD BURLINGAME CA	E	0.40 / 2,099.31	-12	591
			Case No: 660059 ***Status:*** 9- Case Closed				
96	LUST	BAYSTAR MEDICAL SERVICES	1616 ROLLINS BURLINGAME CA 94010	E	0.40 / 2,099.31	-12	591
			Global ID **|** ***Status*** **|** ***Status Date:*** T0608100061	COMPLETED - CASE CLOSED	3/18/1997		
97	CLEANUP SITES	39-49 EL CAMINO REAL	39-49 EL CAMINO REAL MILLBRAE CA 94030	NW	0.42 / 2,223.72	9	593
			Site Facility Type **|** ***Status:*** CLEANUP PROGRAM SITE	OPEN - INACTIVE			
98	LOP SANMATEO	TIMPAC	1600 ROLLINS RD BURLINGAME CA	E	0.42 / 2,231.50	-12	599
			Case No: 660091 ***Status:*** 9- Case Closed				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
98	LUST	TIMPAC	1600 ROLLINS BURLINGAME CA 94010	E	0.42 / 2,231.50	-12	599
			***Global ID	Status	Status Date:*** T0608194021 | COMPLETED - CASE CLOSED | 1/24/2013		
99	LUST	SHELL STATION	261 MILLBRAE AVE E MILLBRAE CA 94030	WNW	0.42 / 2,240.05	50	618
			***Global ID	Status	Status Date:*** T10000005423 | COMPLETED - CASE CLOSED | 9/19/2001		
100	SCH	MILLS HIGH SCHOOL	400 MURCHISON DRIVE MILLBRAE CA 94030-3099	W	0.43 / 2,265.81	55	624
			***Estor/EPA ID	Cleanup Status:*** 41820006 | NO ACTION REQUIRED AS OF 11/20/2001			
100	ENVIROSTOR	MILLS HIGH SCHOOL	400 MURCHISON DRIVE MILLBRAE CA 94030-3099	W	0.43 / 2,265.81	55	624
			***Estor/EPA ID	Cleanup Status:*** 41820006 | NO ACTION REQUIRED AS OF 11/20/2001			
101	LOP SANMATEO	CHEVRON 9-0206	320 E MILLBRAE AVE MILLBRAE CA	N	0.43 / 2,288.11	-15	625
			Case No: 990001 ***Status:*** 9- Case Closed				
101	LUST	CHEVRON 9-0206	320 EAST MILLBRAE AVENUE MILLBRAE CA 94030	N	0.43 / 2,288.11	-15	625
			***Global ID	Status	Status Date:*** T0608100132 | COMPLETED - CASE CLOSED | 7/22/2004		
102	RCRA TSD	DEAN WOO	1 LEWIS AVE MILLBRAE CA 94030	WNW	0.46 / 2,418.85	56	631
			EPA Handler ID: CAC003017484				
103	RCRA TSD	LINCOLN ELEMENTARY SCHOOL	1801 DEVEREUX DRIVE BURLINGAME CA 94010	SSE	0.47 / 2,479.11	30	632
			EPA Handler ID: CAC003008770				
104	CERCLIS	OXYTRAL	895 MITTEN RD BURLINGAME CA 94010	NE	0.49 / 2,567.86	-17	633
			Site EPA ID: CAD982359036				
104	CERCLIS NFRAP	OXYTRAL	895 MITTEN RD BURLINGAME CA 94010	NE	0.49 / 2,567.86	-17	635
			Site EPA ID: CAD982359036				
104	SEMS ARCHIVE	OXYTRAL	895 MITTEN RD BURLINGAME CA 94010	NE	0.49 / 2,567.86	-17	635
			EPA ID: CAD982359036				
105	LOP SANMATEO	PERIN COMPANY	895 MITTEN RD BURLINGAME CA	NE	0.49 / 2,587.10	-15	636
			Case No: 660007 ***Status:*** 9- Case Closed				
105	LUST	PERIN COMPANY	895 MITTEN BURLINGAME CA 94010	NE	0.49 / 2,587.10	-15	636
			***Global ID	Status	Status Date:*** T0608100393 | COMPLETED - CASE CLOSED | 6/26/1997		
106	LUST	PRIVATE RESIDENCE	PRIVATE RESIDENCE MILLBRAE CA 94030	NW	0.49 / 2,603.47	-3	638

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			***Global ID	Status	Status Date:*** T0608101058 | COMPLETED - CASE CLOSED | 10/10/1991			
107	SCH	SPRING VALLEY SCHOOL	817 MURCHISON DRIVE MILLBRAE CA 94030	WSW	0.51 / 2,670.57	71	640
			***Estor/EPA ID	Cleanup Status:*** 60001361 | NO FURTHER ACTION AS OF 7/18/2011			
107	ENVIROSTOR	SPRING VALLEY SCHOOL	817 MURCHISON DRIVE MILLBRAE CA 94030	WSW	0.51 / 2,670.57	71	642
			***Estor/EPA ID	Cleanup Status:*** 60001361 | NO FURTHER ACTION AS OF 7/18/2011			
108	ENVIROSTOR	AREA BETW 860 STANTON & 855-857 MALCOLM	BETW 860 STANTON RD & 855-857 MALCOLM RD BURLINGAME CA 94010	ENE	0.60 / 3,184.59	-16	644
			***Estor/EPA ID	Cleanup Status:*** 41280136 | REFER: OTHER AGENCY AS OF 6/7/1994			
109	ENVIROSTOR	COEN CO. INC.	1510 ROLLINS RD. BURLINGAME CA 94010	E	0.63 / 3,323.72	-11	644
			***Estor/EPA ID	Cleanup Status:*** 41360041 | REFER: OTHER AGENCY AS OF 6/15/1994			
110	ENVIROSTOR	NEW CONTINUATION/ALTERNATIVE HIGH SCHOOL	858 - 860 HINCKLEY ROAD BURLINGAME CA 94010	ENE	0.68 / 3,593.28	-14	645
			***Estor/EPA ID	Cleanup Status:*** 60002622 | INACTIVE - WITHDRAWN AS OF 7/26/2018			
110	SCH	NEW CONTINUATION/ALTERNATIVE HIGH SCHOOL	858 - 860 HINCKLEY ROAD BURLINGAME CA 94010	ENE	0.68 / 3,593.28	-14	647
			***Estor/EPA ID	Cleanup Status:*** 60002622 | INACTIVE - WITHDRAWN AS OF 7/26/2018			
111	ENVIROSTOR	FOMER BETTY BRITE	446 BROADWAY MILLBRAE CA 94030	NW	0.76 / 4,031.75	2	649
			***Estor/EPA ID	Cleanup Status:*** 60001046 | REFER: 1248 LOCAL AGENCY AS OF 9/13/2006			

Executive Summary: Summary by Data Source

Standard

Federal

SEMS ARCHIVE - SEMS List 8R Archive Sites

A search of the SEMS ARCHIVE database, dated Mar 23, 2021 has found that there are 1 SEMS ARCHIVE site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
OXYTRAL	895 MITTEN RD BURLINGAME CA 94010 ***EPA ID**: CAD982359036*	NE	0.49 / 2,567.86	104

CERCLIS - Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS

A search of the CERCLIS database, dated Oct 25, 2013 has found that there are 1 CERCLIS site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
OXYTRAL	895 MITTEN RD BURLINGAME CA 94010 ***Site EPA ID**: CAD982359036*	NE	0.49 / 2,567.86	104

CERCLIS NFRAP - CERCLIS - No Further Remedial Action Planned

A search of the CERCLIS NFRAP database, dated Oct 25, 2013 has found that there are 1 CERCLIS NFRAP site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
OXYTRAL	895 MITTEN RD BURLINGAME CA 94010 ***Site EPA ID**: CAD982359036*	NE	0.49 / 2,567.86	104

RCRA TSD - RCRA non-CORRACTS TSD Facilities

A search of the RCRA TSD database, dated Apr 5, 2021 has found that there are 6 RCRA TSD site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
CALIFORNIA PACIFIC PROPERTIES, LLC	1801 MURCHISON SUITE # 310 BURLINGAME CA 94010 ***EPA Handler ID**: CAC003012171*	W	0.30 / 1,560.78	80
MILLBRAE 76 AUTO REPAIR	5 EL CAMINO REAL MILLBRAE CA 94030 ***EPA Handler ID**: CAL000444705*	NW	0.38 / 2,024.51	92

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
DEAN WOO	1 LEWIS AVE MILLBRAE CA 94030 ***EPA Handler ID**: CAC003017484*	WNW	0.46 / 2,418.85	102
LINCOLN ELEMENTARY SCHOOL	1801 DEVEREUX DRIVE BURLINGAME CA 94010 ***EPA Handler ID**: CAC003008770*	SSE	0.47 / 2,479.11	103

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
FORTE PRESS CORPORATION	1835 ROLLINS ROAD BURLINGAME CA 94010 ***EPA Handler ID**: CAC003017766*	NNE	0.22 / 1,154.85	62
DIJEAU POAGE CONSTRUCTION INC	1832 ROLLINS RD BURLINGAME CA 94010 ***EPA Handler ID**: CAL000446619*	NNE	0.22 / 1,184.02	65

RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Apr 5, 2021 has found that there are 4 RCRA SQG site(s) within approximately 0.12 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SFO46	1828 EL CAMINO REAL BURLINGAME CA 94010 ***EPA Handler ID**: CAR000317578*	WNW	0.08 / 416.40	23
STEVES CLEANERS	1560 TROUSDALE DR BURLINGAME CA 94010 ***EPA Handler ID**: CAD981632698*	WSW	0.11 / 563.43	30
PEDERSEN & PEDERSEN	1560 TROUSDALE DR BURLINGAME CA 94010 ***EPA Handler ID**: CAP000320515*	WSW	0.11 / 563.43	30
LUX CLEANERS	1560 TROUSDALE DR BURLINGAME CA 94010 ***EPA Handler ID**: CAR000321539*	WSW	0.11 / 563.43	30

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Apr 5, 2021 has found that there are 24 RCRA NON GEN site(s) within approximately 0.12 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
PENINSULA DERMATOLOGY MEDICAL GROUP INC	1750 EL CAMINO REAL STE 206 BURLINGAME CA 94010-3214 ***EPA Handler ID**: CAL000353425*	SSE	0.01 / 54.47	2

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MID PENINSULA UROLOGY GROUP INC	1750 EL CAMINO RD STE 307 BURLINGAME CA 94010 ***EPA Handler ID**: CAL000435223*	SSE	0.01 / 54.47	2
HALDEN YU DDS	1750 EL CAMINO REAL STE 302 BURLINGAME CA 94010 ***EPA Handler ID**: CAL000297115*	SSE	0.01 / 54.47	2
WILLIAM B BOHANNAN DDS MD	1750 EL CAMINO REAL STE 403 BURLINGAME CA 94010-3217 ***EPA Handler ID**: CAL000302786*	SSE	0.01 / 54.47	2
AG - LO 1720 EL CAMINO OWNER, LLC	1720 EL CAMINO REAL BURLINGAME CA 94010 ***EPA Handler ID**: CAC003030713*	SSE	0.07 / 367.39	19
CYSTETIC MEDICINES INC	1828 EL CAMINO REAL #806 BURLINGAME CA 94010 ***EPA Handler ID**: CAL000459240*	WNW	0.08 / 416.40	23
OPTOFLUIDICS INC DBA HALO LABS	1828 EL CAMINO REAL STE 703 BURLINGAME CA 94010 ***EPA Handler ID**: CAL000446823*	WNW	0.08 / 416.40	23
RESPIRA THERAPEUTICS	1828 EL CAMINO REAL STE 806 BURLINGAME CA 94010 ***EPA Handler ID**: CAL000444533*	WNW	0.08 / 416.40	23
NEPTUNE MEDICAL	1828 EL CAMINO REAL STE 508 BURLINGAME CA 94010 ***EPA Handler ID**: CAL000443473*	WNW	0.08 / 416.40	23
SCIBAC INC	1828 EL CAMINO REAL STE 704 BURLINGAME CA 94010 ***EPA Handler ID**: CAL000436004*	WNW	0.08 / 416.40	23
JERRY LIN, DMD	1828 EL CAMINO REAL, RM. 803 BURLINGAME CA 94010-0000 ***EPA Handler ID**: CAL000140960*	WNW	0.08 / 416.40	23
LINNA GOLODRIGA DDS	1828 EL CAMINO REAL STE 607 BURLINGAME CA 94010-3120 ***EPA Handler ID**: CAL000366202*	WNW	0.08 / 416.40	23
SUTTER BAY HOSPITALS DBA MILLS-PENINSULA MEDICAL CENTER	1501 TROUSDALE DR BURLINGAME CA 94010-0000 ***EPA Handler ID**: CAD071873673*	S	0.09 / 458.84	24
SUTTER BAY MEDICAL FOUNDATION	1501B TROUSDALE DRIVE BURLINGAME CA 94010 ***EPA Handler ID**: CAC002999082*	S	0.09 / 458.84	24

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SUTTER BAY MEDICAL FOUNDATION DBA PAMF	1501B TROUSDALE DR BURLINGAME CA 94010 ***EPA Handler ID**: CAL000448229*	S	0.09 / 458.84	24
MILLS PENINSULA MEDICAL CENTER	1501 TROUSDALE DRIVE BURLINGAME CA 94010 ***EPA Handler ID**: CAC003076890*	S	0.09 / 458.84	24
RICHARD STONE DPM	1515 TROUSDALE, #200 BURLINGAME CA 94010-0000 ***EPA Handler ID**: CAL000093553*	WSW	0.11 / 557.43	29
LUX CLEANERS	1560 TROUSDALE DR BURLINGAME CA 94010 ***EPA Handler ID**: CAL000399397*	WSW	0.11 / 563.43	30
LUX CLEANERS	1560 TROUSDALE DRIVE BURLINGAME CA 94010 ***EPA Handler ID**: CAC003100101*	WSW	0.11 / 563.43	30
BURLINGAME FAMILY PET HOSPITAL	1808 MAGNOLIA AVE BURLINGAME CA 94010-0000 ***EPA Handler ID**: CAL000087737*	WSW	0.12 / 641.78	33

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
PACIFIC MOTOR TRUCKING CO	1766 EL CAMINO REAL BURLINGAME CA 94010 ***EPA Handler ID**: CAD981575707*	SW	0.00 / 0.00	1
CITY OF BURLINGAME PUBLIC WORKS	1111 TROUSDALE DRIVE BURLINGAME CA 94010 ***EPA Handler ID**: CAC003024328*	N	0.02 / 81.75	4
VINTAGE ELEVATOR SERVICES	1733 CALIFORNIA DR BURLINGAME CA 94010-3201 ***EPA Handler ID**: CAC003049090*	E	0.04 / 230.74	11
GUITTARD CHOCOLATE CO	10 GUITTARD RD BURLINGAME CA 94011-0000 ***EPA Handler ID**: CAD981451271*	NE	0.09 / 479.06	26

State

ENVIROSTOR - EnviroStor Database

A search of the ENVIROSTOR database, dated Jan 13, 2021 has found that there are 9 ENVIROSTOR site(s) within approximately 1.00 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MILLS HIGH SCHOOL	400 MURCHISON DRIVE MILLBRAE CA 94030-3099	W	0.43 / 2,265.81	100
	***Estor/EPA ID	Cleanup Status**: 41820006	NO ACTION REQUIRED AS OF 11/20/2001*		
SPRING VALLEY SCHOOL	817 MURCHISON DRIVE MILLBRAE CA 94030	WSW	0.51 / 2,670.57	107
	***Estor/EPA ID	Cleanup Status**: 60001361	NO FURTHER ACTION AS OF 7/18/2011*		
FOMER BETTY BRITE	446 BROADWAY MILLBRAE CA 94030	NW	0.76 / 4,031.75	111
	***Estor/EPA ID	Cleanup Status**: 60001046	REFER: 1248 LOCAL AGENCY AS OF 9/13/2006*		

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
TAYLER PRODUCTS CORPORATION	40 BRODERICK RD BURLINGAME CA 94010	N	0.17 / 915.86	51
	***Estor/EPA ID	Cleanup Status**: 41280123	NO FURTHER ACTION AS OF 3/25/1995*		
ROLLINS ROAD SCHOOL SITE	1800 ROLLINS ROAD BURLINGAME CA 94010	NE	0.24 / 1,260.07	73
	***Estor/EPA ID	Cleanup Status**: 70000117	INACTIVE - NEEDS EVALUATION AS OF 10/27/2005*		
MILLBRAE BART	200 MILLBRAE AVENUE MILLBRAE CA 94030	NW	0.39 / 2,078.68	95
	***Estor/EPA ID	Cleanup Status**: 60002244	ACTIVE AS OF 8/1/2015*		
AREA BETW 860 STANTON & 855-857 MALCOLM	BETW 860 STANTON RD & 855-857 MALCOLM RD BURLINGAME CA 94010	ENE	0.60 / 3,184.59	108
	***Estor/EPA ID	Cleanup Status**: 41280136	REFER: OTHER AGENCY AS OF 6/7/1994*		
COEN CO. INC.	1510 ROLLINS RD. BURLINGAME CA 94010	E	0.63 / 3,323.72	109
	***Estor/EPA ID	Cleanup Status**: 41360041	REFER: OTHER AGENCY AS OF 6/15/1994*		
NEW CONTINUATION/ALTERNATIVE HIGH SCHOOL	858 - 860 HINCKLEY ROAD BURLINGAME CA 94010	ENE	0.68 / 3,593.28	110
	***Estor/EPA ID	Cleanup Status**: 60002622	INACTIVE - WITHDRAWN AS OF 7/26/2018*		

C&D DEBRIS RECY - Construction and Demolition Debris Recyclers

A search of the C&D DEBRIS RECY database, dated Jun 20, 2018 has found that there are 1 C&D DEBRIS RECY site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BURLINGAME POLICE DEPARTMENT	1111 TROUSDALE DR BURLINGAME CA 94010	N	0.02 / 81.75	4

RECYCLING - Recycling Centers

A search of the RECYCLING database, dated Nov 2, 2020 has found that there are 1 RECYCLING site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
RECYCLO	45 MURCHISON DR MILLBRAE CA 94030	WNW	0.23 / 1,198.48	68

LUST - Leaking Underground Fuel Tank Reports

A search of the LUST database, dated Mar 9, 2021 has found that there are 26 LUST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MILLS PENINSULA MEDICAL CENTER	1783 EL CAMINO REAL BURLINGAME CA 94010	SSW	0.03 / 150.66	6
	Global ID* | *Status* | *Status Date: *T0608192783* | *COMPLETED - CASE CLOSED* | *9/7/2000*			
CHEVRON 9-8165	1810 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.04 / 186.92	8
	Global ID* | *Status* | *Status Date: *T0608100122* | *COMPLETED - CASE CLOSED* | *11/15/2012*			
UNOCAL STATION #3798	1876 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.19 / 990.22	56
	Global ID* | *Status* | *Status Date: *T0608100575* | *OPEN - REMEDIATION* | *1/6/2016*			
TEXACO SERVICE STATION 35-2469, FORMER	130 SOUTH EL CAMINO REAL MILLBRAE CA 940303121	NW	0.23 / 1,213.24	69
	Global ID* | *Status* | *Status Date: *T0608164207* | *COMPLETED - CASE CLOSED* | *12/27/2017*			
MILLS HIGH SCHOOL	400 MURCHISON MILLBRAE CA 94030	W	0.33 / 1,753.41	84
	Global ID* | *Status* | *Status Date: *T0608101091* | *COMPLETED - CASE CLOSED* | *1/12/1998*			
UNOCAL SERVICE STATION #3676	5 EL CAMINO REAL MILLBRAE CA 94030	NW	0.38 / 2,024.51	92
	Global ID* | *Status* | *Status Date: *T10000016875* | *COMPLETED - CASE CLOSED* | *4/25/1991*			
UNOCAL STATION #3676	5 EL CAMINO REAL MILLBRAE CA 94030	NW	0.38 / 2,024.51	92
	Global ID* | *Status* | *Status Date: *T0608100584* | *OPEN - REMEDIATION* | *6/11/2013*			
SHELL STATION	261 MILLBRAE AVE E MILLBRAE CA 94030	WNW	0.42 / 2,240.05	99
	Global ID* | *Status* | *Status Date: *T10000005423* | *COMPLETED - CASE CLOSED* | *9/19/2001*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BURLINGAME POLICE STATION	1111 TROUSDALE DRIVE BURLINGAME CA 94010	N	0.02 / 81.75	4
	Global ID* | *Status* | *Status Date: *T10000011134* | *OPEN - SITE ASSESSMENT* | *12/4/2017*			
DEVINCENZI METAL PRODUCTS	230 ADRIAN MILLBRAE CA 94030	NNW	0.28 / 1,466.57	78
	Global ID* | *Status* | *Status Date: *T0608100904* | *COMPLETED - CASE CLOSED* | *5/23/2006*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
GARRATT CALLAHAN COMPANY	111 ROLLINS RD MILLBRAE CA 94030	N	0.29 / 1,519.24	79
	***Global ID | Status | Status Date**: T0608100728 | COMPLETED - CASE CLOSED | 1/26/1995*			
TRAFFIC INTERNATIONAL CORP.	1660 ROLLINS BURLINGAME CA 94010	E	0.30 / 1,574.32	81
	***Global ID | Status | Status Date**: T0608100549 | COMPLETED - CASE CLOSED | 10/4/2002*			
CATERAIR INTERNATIONAL	50 ADRIAN BURLINGAME CA 94010	NNE	0.32 / 1,713.63	82
	***Global ID | Status | Status Date**: T0608100693 | COMPLETED - CASE CLOSED | 1/15/1995*			
HIRAM WALKER	1645 ROLLINS BURLINGAME CA 94010	E	0.33 / 1,737.32	83
	***Global ID | Status | Status Date**: T0608100259 | COMPLETED - CASE CLOSED | 1/27/1998*			
SHELL OIL	10 ROLLINS MILLBRAE CA 94030	NNW	0.35 / 1,841.07	86
	***Global ID | Status | Status Date**: T0608101088 | COMPLETED - CASE CLOSED | 9/19/2001*			
BCBM	200 EAST MILLBRAE AVENUE MILLBRAE CA 94030	NNW	0.37 / 1,928.19	88
	***Global ID | Status | Status Date**: T0608100768 | COMPLETED - CASE CLOSED | 3/18/1996*			
HERTZ	300 EAST MILLBRAE AVENUE MILLBRAE CA 94030	NNW	0.37 / 1,956.43	90
	***Global ID | Status | Status Date**: T0608100256 | COMPLETED - CASE CLOSED | 7/19/2001*			
SAN FRANCISCO NEWSPAPER AGENCY	1626 ROLLINS BURLINGAME CA 94010	E	0.38 / 2,022.49	91
	***Global ID | Status | Status Date**: T0608100443 | COMPLETED - CASE CLOSED | 11/27/2002*			
HANSEN PROPERTY	355 ADRIAN MILLBRAE CA 94030	NNE	0.39 / 2,047.63	93
	***Global ID | Status | Status Date**: T0608100543 | COMPLETED - CASE CLOSED | 9/24/1992*			
THRIFTY RENT-A-CAR	309 EAST MILLBRAE AVENUE MILLBRAE CA 94030	NNW	0.39 / 2,053.48	94
	***Global ID | Status | Status Date**: T0608100799 | COMPLETED - CASE CLOSED | 6/19/2001*			
THRIFTY RENT-A-CAR	309 EAST MILLBRAE AVENUE MILLBRAE CA 94030	NNW	0.39 / 2,053.48	94
	***Global ID | Status | Status Date**: T0608179893 | COMPLETED - CASE CLOSED | 4/8/2009*			
BAYSTAR MEDICAL SERVICES	1616 ROLLINS BURLINGAME CA 94010	E	0.40 / 2,099.31	96
	***Global ID | Status | Status Date**: T0608100061 | COMPLETED - CASE CLOSED | 3/18/1997*			
TIMPAC	1600 ROLLINS BURLINGAME CA 94010	E	0.42 / 2,231.50	98
	***Global ID | Status | Status Date**: T0608194021 | COMPLETED - CASE CLOSED | 1/24/2013*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CHEVRON 9-0206	320 EAST MILLBRAE AVENUE MILLBRAE CA 94030	N	0.43 / 2,288.11	101
	***Global ID** | **Status** | **Status Date**: T0608100132 | COMPLETED - CASE CLOSED | 7/22/2004*			
PERIN COMPANY	895 MITTEN BURLINGAME CA 94010	NE	0.49 / 2,587.10	105
	***Global ID** | **Status** | **Status Date**: T0608100393 | COMPLETED - CASE CLOSED | 6/26/1997*			
PRIVATE RESIDENCE	PRIVATE RESIDENCE MILLBRAE CA 94030	NW	0.49 / 2,603.47	106
	***Global ID** | **Status** | **Status Date**: T0608101058 | COMPLETED - CASE CLOSED | 10/10/1991*			

UST - Permitted Underground Storage Tank (UST) in GeoTracker

A search of the UST database, dated Mar 23, 2021 has found that there are 3 UST site(s) within approximately 0.12 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
PENINSULA HOSPITAL & MED CTR	1783 EL CAMINO REAL BURLINGAME CA 94010	SSW	0.03 / 150.66	6
	***Facility ID**: 41-000-017983*			
MILLS PENINSULA HEALTH SVCS	1501 TROUSDALE DR BURLINGAME CA 94010	S	0.09 / 458.84	24
	***Facility ID**: 201227_037693*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CITY OF BURLINGAME POLICE DEPT	1111 TROUSDALE DR BURLINGAME CA 94010	N	0.02 / 81.75	4
	***Facility ID**: 201109_009591*			

HHSS - Historical Hazardous Substance Storage Information Database

A search of the HHSS database, dated Aug 27, 2015 has found that there are 6 HHSS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
PENINSULA HOSPITAL AND MEDICAL	1783 EL CAMINO REAL BURLINGAME CA 94010	SSW	0.03 / 150.66	6
PENINSULA MEMORIAL BLOOD BANK	1791 EL CAMINO REAL BURLINGAME CA 94010	WSW	0.03 / 166.51	7
98165	1810 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.04 / 186.92	8

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
UNION OIL SS 3798	1876 EL CAMINO REAL BURLINGAME CA 94011	WNW	0.19 / 990.22	56

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BURLINGAME PLOICE STATION	1111 TROUSDALE BURLINGAME CA 94010	N	0.02 / 81.75	4
TAYLER PRODUCTS CORPORATION	40 BRODERICK ROAD BURLINGAME CA 94010	N	0.15 / 795.71	46

UST SWEEPS - Statewide Environmental Evaluation and Planning System

A search of the UST SWEEPS database, dated Oct 1, 1994 has found that there are 6 UST SWEEPS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
PENINSULA HOSPITAL & MED CTR	1783 EL CAMINO REAL BURLINGAME CA ***C C | Status**: A41-000-660032 | ACTIVE* ***Tank ID**: 000002, 000001*	SSW	0.03 / 150.66	6
PENINSULA MEMORIAL BLOOD BANK	1791 EL CAMINO REAL BURLINGAME CA ***C C | Status**: A41-000-660005 | ACTIVE* ***Tank ID**: 000001*	WSW	0.03 / 166.51	7
PENINSULA MEMORIAL BLOOD BANK	1791 EL CAMINO REAL BURLINGAME CA ***C C | Status**: I41-000-660005 | INACTIVE* ***Tank ID**: 000002*	WSW	0.03 / 166.51	7
PROVIDENT CENTRAL CREDIT UNION	1825 MAGNOLIA AVE BURLINGAME CA ***C C | Status**: I41-000-660006 | INACTIVE* ***Tank ID**: 000001*	W	0.14 / 732.93	40
UNION OIL SERVICE STATION 3798	1876 EL CAMINO REAL BURLINGAME CA ***C C | Status**: A41-000-660048 | ACTIVE* ***Tank ID**: 000002, 000001, 000003*	WNW	0.19 / 990.22	56

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BURLINGAME POLICE DEPT	1111 TROUSDALE DR BURLINGAME CA ***C C | Status**: A41-000-660088 | ACTIVE* ***Tank ID**: 000001, 000002*	N	0.02 / 81.75	4

DELISTED TNK - Delisted Storage Tanks

A search of the DELISTED TNK database, dated Apr 14, 2021 has found that there are 2 DELISTED TNK site(s) within approximately

0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
TOSCO SITE 30564	1876 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.19 / 990.22	56

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CITY OF BURLINGAME	1111 TROUSDALE Burlingame CA 94010	N	0.02 / 81.75	4

CERS TANK - California Environmental Reporting System (CERS) Tanks

A search of the CERS TANK database, dated Apr 29, 2021 has found that there are 2 CERS TANK site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MILLS PENINSULA HEALTH SVCS	1501 TROUSDALE DR BURLINGAME CA 94010 ***Site ID**: 49215*	S	0.09 / 458.84	24
BURLINGAME 76	1876 EL CAMINO REAL BURLINGAME CA 94011 ***Site ID**: 100646*	WNW	0.19 / 990.22	56

DELISTED CTNK - Delisted California Environmental Reporting System (CERS) Tanks

A search of the DELISTED CTNK database, dated Apr 29, 2021 has found that there are 1 DELISTED CTNK site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CITY OF BURLINGAME POLICE DEPT	1111 TROUSDALE DR BURLINGAME CA 94010	N	0.02 / 81.75	4

HIST TANK - Historical Hazardous Substance Storage Container Information - Facility Summary

A search of the HIST TANK database, dated May 27, 1988 has found that there are 6 HIST TANK site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
PENINSULA HOSPITAL AND MEDICAL	1783 EL CAMINO REAL BURLINGAME CA	SSW	0.03 / 150.66	6
PENINSULA MEMORIAL BLOOD BANK	1791 EL CAMINO REAL BURLINGAME CA	WSW	0.03 / 166.51	7

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
98165	1810 EL CAMINO REAL BURLINGAME CA	WNW	0.04 / 186.92	8
UNION OIL SS# 3798	1876 EL CAMINO REAL BURLINGAME CA	WNW	0.19 / 990.22	56

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BURLINGAME POLICE STATION	1111 TROUSDALE BURLINGAME CA	N	0.02 / 81.75	4
TAYLER PRODUCTS CORPORATION	40 BRODERICK ROAD BURLINGAME CA	N	0.15 / 795.71	46

CALSITES - CALSITES Database

A search of the CALSITES database, dated May 1, 2004 has found that there are 1 CALSITES site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
TAYLER PRODUCTS CORPORATION	40 BRODERICK BURLINGAME CA 94010	NNE	0.18 / 973.83	55

VCP - Voluntary Cleanup Program

A search of the VCP database, dated Jan 13, 2021 has found that there are 1 VCP site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MILLBRAE BART	200 MILLBRAE AVENUE MILLBRAE CA 94030	NW	0.39 / 2,078.68	95
	Estor/EPA ID* | *Cleanup Status: *60002244 | ACTIVE AS OF 8/1/2015*			

CLEANUP SITES - GeoTracker Cleanup Program Sites

A search of the CLEANUP SITES database, dated Mar 9, 2021 has found that there are 4 CLEANUP SITES site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
LUX CLEANERS (FORMER)	1560 TROUSDALE DRIVE BURLINGAME CA 94010	WSW	0.11 / 563.43	30
	Site Facility Type* | *Status: *CLEANUP PROGRAM SITE | OPEN - SITE ASSESSMENT*			
HOLIDAY CLEANERS	1883 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.18 / 964.84	54

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	Site Facility Type* | *Status: *CLEANUP PROGRAM SITE* | *COMPLETED - CASE CLOSED*			
39-49 EL CAMINO REAL	39-49 EL CAMINO REAL MILLBRAE CA 94030	NW	0.42 / 2,223.72	97
	Site Facility Type* | *Status: *CLEANUP PROGRAM SITE* | *OPEN - INACTIVE*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SCHULZE MANUFACTURING	50 INGOLD BURLINGAME CA 94010	ENE	0.21 / 1,102.96	59
	Site Facility Type* | *Status: *CLEANUP PROGRAM SITE* | *COMPLETED - CASE CLOSED*			

DELISTED COUNTY - Delisted County Records

A search of the DELISTED COUNTY database, dated Apr 29, 2021 has found that there are 2 DELISTED COUNTY site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
LUX CLEANERS (FORMER)	1560 TROUSDALE DR BURLINGAME CA	WSW	0.11 / 563.43	30

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SCHULZE MANUFACTURING	50 INGOLD RD BURLINGAME CA	E	0.14 / 712.92	37

County

LOP SANMATEO - San Mateo County - LOP List

A search of the LOP SANMATEO database, dated Dec 14, 2020 has found that there are 20 LOP SANMATEO site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MILLS PENINSULA MEDICAL CENTER	1783 EL CAMINO REAL BURLINGAME CA	SSW	0.03 / 150.66	6
	Case No: *660090* ***Status***: *9- Case Closed*			
CHEVRON 9-8165	1810 EL CAMINO REAL BURLINGAME CA	WNW	0.04 / 186.92	8
	Case No: *660011* ***Status***: *9- Case Closed*			
LUX CLEANERS (FORMER)	1560 TROUSDALE DR BURLINGAME CA	WSW	0.11 / 563.43	30
	Case No: *669117* ***Status***: *3B- Preliminary Assessment Underway*			
UNOCAL #3798	1876 EL CAMINO REAL BURLINGAME CA	WNW	0.19 / 990.22	56

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Case No**: 660031* ***Status**: 5C- Pollution Characterization*			
MILLS HIGH SCHOOL	400 MURCHISON DR MILLBRAE CA	W	0.33 / 1,753.41	84
	***Case No**: 990020* ***Status**: 9- Case Closed*			
BCBM	200 E MILLBRAE AVE MILLBRAE CA	NW	0.36 / 1,897.55	87
	***Case No**: 990013* ***Status**: 9- Case Closed*			
UNOCAL #3676	5 EL CAMINO REAL MILLBRAE CA	NW	0.38 / 2,024.51	92
	***Case No**: 990028* ***Status**: 5C- Pollution Characterization*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BURLINGAME POLICE STATION	1111 TROUSDALE AVE BURLINGAME CA	N	0.02 / 81.75	4
	***Case No**: 660118* ***Status**: 3B- Preliminary Assessment Underway*			
SCHULZE MANUFACTURING	50 INGOLD RD BURLINGAME CA	E	0.14 / 712.92	37
	***Case No**: 669095* ***Status**: 9- Case Closed*			
TRAFFIC INTERNATIONAL CORP.	1660 ROLLINS RD BURLINGAME CA	E	0.30 / 1,574.32	81
	***Case No**: 660045* ***Status**: 9- Case Closed*			
HIRAM WALKER	1645 ROLLINS RD BURLINGAME CA	E	0.33 / 1,737.32	83
	***Case No**: 660044* ***Status**: 9- Case Closed*			
THRIFTY RENT-A-CAR	20 E ROLLINS RD MILLBRAE CA	NNW	0.33 / 1,755.71	85
	***Case No**: 990010* ***Status**: 9- Case Closed*			
THRIFTY RENT-A-CAR	20 E ROLLINS RD MILLBRAE CA	NNW	0.33 / 1,755.71	85
	***Case No**: 990029* ***Status**: 9- Case Closed*			
SHELL OIL	10 ROLLINS RD MILLBRAE CA	NNW	0.35 / 1,841.07	86
	***Case No**: 990014* ***Status**: 9- Case Closed*			
HERTZ	300 E MILLBRAE AVE MILLBRAE CA	NNW	0.37 / 1,940.34	89

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Case No**: 990008* ***Status**: 9- Case Closed*			
SAN FRANCISCO NEWSPAPER AGENCY	1626 ROLLINS RD BURLINGAME CA	E	0.38 / 2,022.49	91
	***Case No**: 660021* ***Status**: 9- Case Closed*			
BAYSTAR MEDICAL SERVICES	1616 ROLLINS RD BURLINGAME CA	E	0.40 / 2,099.31	96
	***Case No**: 660059* ***Status**: 9- Case Closed*			
TIMPAC	1600 ROLLINS RD BURLINGAME CA	E	0.42 / 2,231.50	98
	***Case No**: 660091* ***Status**: 9- Case Closed*			
CHEVRON 9-0206	320 E MILLBRAE AVE MILLBRAE CA	N	0.43 / 2,288.11	101
	***Case No**: 990001* ***Status**: 9- Case Closed*			
PERIN COMPANY	895 MITTEN RD BURLINGAME CA	NE	0.49 / 2,587.10	105
	***Case No**: 660007* ***Status**: 9- Case Closed*			

CUPA SANMATEO - San Mateo County - CUPA Facilities List

A search of the CUPA SANMATEO database, dated Feb 20, 2020 has found that there are 171 CUPA SANMATEO site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
HALDEN S YU, DDS	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	2
	***Facility ID**: FA0029366* ***Billing Status | Program Element**: Inactive, non-billable | SQG DENTAL FAC W/ PHOTO WASTE SELF CERTIF, Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			
PENINSULA NEUROLOGICAL ASC MED GRP	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	2
	***Facility ID**: FA0044991* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
PENINSULA PLASTIC SURGERY	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	2
	***Facility ID**: FA0026298* ***Billing Status | Program Element**: Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
BOHANNAN DDS, WILLIAM B	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	2
	***Facility ID**: FA0029604* ***Billing Status | Program Element**: Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION, Inactive, non-billable | SQG PHOTO WASTE (<100KG/MO)*			

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MID PENINSULA UROLOGY GROUP	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	2
	Facility ID: *FA0026123* ***Billing Status | Program Element***: *Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			
YOUNG, LAWRENCE / CYNTHIA D.D.S.	1750 EL CAMINO REAAL BURLINGAME CA 94010	SSE	0.01 / 54.47	2
	Facility ID: *FA0026214* ***Billing Status | Program Element***: *Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
ELLISTON MD, ROBERT R	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	2
	Facility ID: *FA0044920* ***Billing Status | Program Element***: *Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			
LABCORP	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	2
	Facility ID: *FA0025738* ***Billing Status | Program Element***: *Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
PENINSULA DERMATOLOGY MED GRP	1750 EL CAMINO BURLINGAME CA 94010	SSE	0.01 / 54.47	2
	Facility ID: *FA0026157* ***Billing Status | Program Element***: *Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			
XIE MD, HAICHUN	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	2
	Facility ID: *FA0060063* ***Billing Status | Program Element***: *Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			
CELEBRITY CAFE	1783 EL CAMINO REAL BURLINGAME CA 94010	SSW	0.03 / 150.66	6
	Facility ID: *FA0000061* ***Billing Status | Program Element***: *Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
PENINSULA SOUTH BAY CENTER	1791 EL CAMINO REAL BURLINGAME CA 94010	WSW	0.03 / 166.51	7
	Facility ID: *FA0013657* ***Billing Status | Program Element***: *Inactive, non-billable | LQG OFF-SITE TREATMENT >200 LB/MO, Inactive, non-billable | UNDERGROUND TANK - GENERAL, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF, Inactive, non-billable | SQG WITH TRANSPORT*			
TIGER TEA INC	1803 EL CAMINO REAL BURLINGAME CA 94010	W	0.04 / 188.50	9
	Facility ID: *FA0059738* ***Billing Status | Program Element***: *Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
LITTLE LUCCA	1809 EL CAMINO REAL BURLINGAME CA 94010	W	0.05 / 238.68	12
	Facility ID: *FA0001115* ***Billing Status | Program Element***: *Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
HAPPY DONUT	1807 EL CAMINO REAL BURLINGAME CA 94010	W	0.06 / 303.02	14
	Facility ID: *FA0029623* ***Billing Status | Program Element***: *Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
AMERICAN BULL BAR & GRILL INC	1819 EL CAMINO REAL BURLINGAME CA 94010	W	0.06 / 309.63	17
	***Facility ID**: FA0001917* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
PULMONARY ASSOC	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0029160* ***Billing Status | Program Element**: Inactive, non-billable | GENERATES <27 GAL/YEAR, Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			
GARDEN DELITE CATERING INC	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0028163* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
PENINSULA MEDICAL GROUP	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0029161* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
SURGICAL ASC OF THE PENINSULA	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0026317* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
BRUCE, GENE K., M.D.	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0026135* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
BURLINGAME DIALYSIS	1720 EL CAMINO REAL BURLINGAME CA 94010-3224	SSE	0.07 / 367.39	19
	***Facility ID**: FA0049467* ***Billing Status | Program Element**: Active, billable | LQG OFF-SITE TREATMENT >200 LB/MO*			
MID PENINSULA MEDICAL ARTS BUILDING	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0061427* ***Billing Status | Program Element**: Inactive, non-billable | LQG COMMON STORAGE AREA FAC (>200 LB/MO)*			
MID PENINSULA MEDICAL ARTS BLDG	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0013495* ***Billing Status | Program Element**: Inactive, non-billable | LQG COMMON STORAGE AREA FAC (>200 LB/MO)*			
SHAPIRO, DEBRA M.D., INC	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0026266* ***Billing Status | Program Element**: Inactive, non-billable | TIER 1 SQG REGISTRATION*			
PENINSULA PEDIATRIC MED GRP	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0026339* ***Billing Status | Program Element**: Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MPHS EMP HLTH CLINIC/PAMF EXT HRS CLINIC	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0050529* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
MILLS PENINSULA HOSP OCCUP HEALTH	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0026180* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
MILLS PENINSULA 1720 RENEL DIALYSIS	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0026179* ***Billing Status | Program Element**: Inactive, non-billable | LQG OFF-SITE TREATMENT >200 LB/MO*			
MILLS PEN. PHARMACY/LAB	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0026181* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
MILLS CAFE	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0047000* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
BURLINGAME ORTHOPEDICS/SPORTS MED	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0028679* ***Billing Status | Program Element**: Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			
BENNER DR., ROBERT	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0029142* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
MILLS PENINSULA SENIOR FOCUS CENTER ADULT DAY HEALTH	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0057474* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
LIU, VICTOR MD	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0026289* ***Billing Status | Program Element**: Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			
CARDIOVASCULAR ASSOC OF THE PEN	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0026315* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
BURLINGAME PEDIATRIC DENTISTRY	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0065578* ***Billing Status | Program Element**: Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SPMF - MATERNAL FETAL MEDICINE	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0065528* ***Billing Status | Program Element**: Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
MID PENINSULA MEDICAL ARTS BUILDING	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0065597* ***Billing Status | Program Element**: Active, billable | LQG COMMON STORAGE AREA FAC (>200 LB/MO)*			
MID PENINSULA ENDOSCOPY CENTER	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
	***Facility ID**: FA0066544* ***Billing Status | Program Element**: Active, billable | STORES MV FUELS OR WASTE ONLY*			
LUNARDIS FOODS MARKET #8	1825 EL CAMINO REAL BURLINGAME CA 94010	W	0.07 / 369.55	20
	***Facility ID**: FA0002596* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Active, billable | STORES MV FUELS OR WASTE ONLY*			
KUBIN, ROBERT H., M.D.	1515 TROUSDALE BURLINGAME CA 940104515	WSW	0.08 / 407.52	22
	***Facility ID**: FA0026358* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
STONE, RICHARD D.P.M.	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	22
	***Facility ID**: FA0026220* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
SAUNDERS, ANDRIENNE M., M. D.	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	22
	***Facility ID**: FA0026335* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
HO, DONALD M., MD	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	22
	***Facility ID**: FA0026336* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
BENNER M.D., ROBERT	1515 TROUSALE BURLINGAME CA 94010	WSW	0.08 / 407.52	22
	***Facility ID**: FA0026190* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
DR RICCI CHEN	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	22
	***Facility ID**: FA0026219* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
MADANAT, NABEEL MD, INC	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	22
	***Facility ID**: FA0026265* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
PENINSULA MEDICAL BUILDING	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	22

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Facility ID**: FA0015016* ***Billing Status | Program Element**: Inactive, non-billable | SQG COMMON STORAGE AREA FAC (1-199 LB/MO)*			
PENINSULA MEDICAL CENTER	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	22
	***Facility ID**: FA0028612* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
BURLINGAME PACIFICA MED GRP INC	1828 EL CAMINO REAAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0026143* ***Billing Status | Program Element**: Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			
PENINSULA SURG SPL MED GRP INC	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0026318* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
NOBLE BITES CAFE	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0061574* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
LINNA GOLODRIGA DDS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0029367* ***Billing Status | Program Element**: Inactive, non-billable | SQG PHOTO WASTE (<100KG/MO), Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			
POWERS, DIANA C., D.D.S.	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0026175* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
STEVEN RAIKE, DDS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0026397* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
DIAZ MEDICAL GROUP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0044801* ***Billing Status | Program Element**: Inactive, non-billable | TIER 1 SQG REGISTRATION*			
PENINSULA PROFESSIONAL CTR	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0013961* ***Billing Status | Program Element**: Inactive, non-billable | SQG COMMON STORAGE AREA FAC (1-199 LB/MO)*			
WEST BAY ORTHOPAEDIC MED GRP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0026292* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
LIN, JERRY DMD	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0026376* ***Billing Status | Program Element**: Inactive, non-billable | SQG PHOTO WASTE (<100KG/MO), Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SCIBAC, INC.	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0064125* ***Billing Status | Program Element**: Active, billable | STORES MV FUELS OR WASTE ONLY, Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO), Active, billable | GENERATES <27 GAL/YEAR*			
DOUGLAS H MILLER, DDS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0027750* ***Billing Status | Program Element**: Inactive, non-billable | SQG PHOTO WASTE (<100KG/MO), Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			
JM COFFEE SHOP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0055000* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
WONG DDS, DAVID G	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0028947* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
SHEPPARD MD, BARRY B	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0026159* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
THE COFFEE COVE	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0050739* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
MELAMUD UROLOGY GROUP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0044883* ***Billing Status | Program Element**: Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			
EVA DWONG ACUPUNCTURE	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0056440* ***Billing Status | Program Element**: Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			
PENINSULA PROFESSIONAL CENTER	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0061191* ***Billing Status | Program Element**: Inactive, non-billable | SQG COMMON STORAGE AREA FAC (1-199 LB/MO)*			
LABCORP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0059948* ***Billing Status | Program Element**: Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
MILLIKEN, S & K CONSANI DDS MS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0026264* ***Billing Status | Program Element**: Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
PENINSULA ENT MEDICAL GRP, INC	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0027724* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
GOLDSCHLAGER, ARNOLD M.D.	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0026325* ***Billing Status | Program Element**: Inactive, non-billable | TIER 1 SQG REGISTRATION*			
AITAN MELAMUD, M.D.	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0027217* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
BURLINGAME PODIATRY GROUP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0027787* ***Billing Status | Program Element**: Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			
BURLINGAME SMILE	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0027863* ***Billing Status | Program Element**: Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			
VIP COFFEE	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0058071* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
GANDHI MD, RAJU	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0045019* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
LEONARDO CAFE	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0002182* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
QUEST DIAGNOSTICS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0022595* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO), Inactive, non-billable | LQG COMMON STORAGE AREA FAC (>200 LB/MO)*			
PENINSULA ALLERGY AND ASTHMA ASSOCIATES	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0064321* ***Billing Status | Program Element**: Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			
CAFE RENA	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0059945* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
T MOBILE WEST CORP SITE ID SF03083A	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0045345* ***Billing Status | Program Element**: Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF*			
SPRINT NEXTEL CELL SITE FS04XC064	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0044824* ***Billing Status | Program Element**: Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
AT & T MOBILITY -BURLINGAME 12701	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0044827* ***Billing Status | Program Element**: Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
PENINSULA WOMEN HEALTH, INC	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0027714* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
MADANAT MD, NABEEL	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0028785* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
HALO LABS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0066518* ***Billing Status | Program Element**: Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
MADANAT MD, NABEEL	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0028784* ***Billing Status | Program Element**: Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			
SANDYS COFFEE HOUSE	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
	***Facility ID**: FA0055083* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
MILLS PENINSULA HEALTH SVCS	1501 TROUSDALE BURLINGAME CA 94010	S	0.09 / 458.84	24
	***Facility ID**: FA0037693* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Active, billable | UNDERGROUND TANK - GENERAL, Active, billable | GENERATES & RECYCLES WASTE OIL/SOLVENT, Active, billable | LQG COMMON STORAGE AREA FAC (>200 LB/MO), Active, billable | LQG OFF-SITE & ON-SITE TREATMENT >200 LB/MO, Active, billable | STORES MV FUELS OR WASTE ONLY, Inactive, non-billable | SQG COMMON STORAGE AREA FAC (1-199 LB/MO)*			
PENINSULA MEDICAL CENTER	1501 TROUSDALE BURLINGAME CA 94010	S	0.09 / 458.84	24
	***Facility ID**: FA0017983* ***Billing Status | Program Element**: Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF, Inactive, non-billable | TIER I: TANK STOR CAP =>1,320 & <5,000 GAL, Inactive, non-billable | COND EXEMPT - SPECIAL WASTES, Inactive, non-billable | GENERATES & RECYCLES WASTE OIL/SOLVENT, Inactive, non-billable | UNDERGROUND TANK - GENERAL, Inactive, non-billable | COND EXEMPT - SPECIAL WASTES, Inactive, non-*			

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	*billable	STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable	COND EXEMPT - SPECIAL WASTES*			
MILLS PENINSULA MEDICAL CTR-KITCHEN	1501 TROUSDALE BURLINGAME CA 94010	S	0.09 / 458.84	24
	***Facility ID**: FA0026646* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
PALO ALTO MEDICAL FOUNDATION	1501 TROUSDALE BURLINGAME CA 94010	S	0.09 / 458.84	24
	***Facility ID**: FA0047990* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
BAY WATCH RESTAURANT	1841 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.09 / 460.62	25
	***Facility ID**: FA0026496* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
HAPPY CHEF GARDEN INC	1520 TROUSDALE BURLINGAME CA 94010	WSW	0.10 / 527.41	27
	***Facility ID**: FA0053073* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
HAPPY CHEF	1520 TROUSDALE BURLINGAME CA 94010	WSW	0.10 / 527.41	27
	***Facility ID**: FA0000523* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
STAFF BUILDERS HEALTH CARE SVC	1838 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.10 / 537.08	28
	***Facility ID**: FA0023364* ***Billing Status | Program Element**: Inactive, non-billable | SQG WITH TRANSPORT*			
TENDER LOVING CARE	1838 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.10 / 537.08	28
	***Facility ID**: FA0026823* ***Billing Status | Program Element**: Inactive, non-billable | SQG WITH TRANSPORT*			
ALPER, PHILLIP R., M.D.	1838 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.10 / 537.08	28
	***Facility ID**: FA0026326* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
LEMI MEDICAL CENTER	1838 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.10 / 537.08	28
	***Facility ID**: FA0029157* ***Billing Status | Program Element**: Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
PRIMO CLEANERS	1560 TROUSDALE BURLINGAME CA 94010	WSW	0.11 / 563.43	30
	***Facility ID**: FA0018041* ***Billing Status | Program Element**: Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF, Inactive, non-billable | GENERATES <27 GAL/YEAR*			
LUX CLEANERS	1560 TROUSDALE BURLINGAME CA 94010	WSW	0.11 / 563.43	30

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Facility ID**: FA0059981* ***Billing Status | Program Element**: Active, billable | GENERATES <27 GAL/YEAR, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
UNITED DENTAL GROUP	1840 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.12 / 612.45	31
	***Facility ID**: FA0041841* ***Billing Status | Program Element**: Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			
BAGGYS LIQUORS	1535 PLAZA BURLINGAME CA 94010	W	0.12 / 630.99	32
	***Facility ID**: FA0000512* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
BURLINGAME FAMILY PET HOSPITAL	1808 MAGNOLIA BURLINGAME CA 94010	WSW	0.12 / 641.78	33
	***Facility ID**: FA0026344* ***Billing Status | Program Element**: Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO), Inactive, non-billable | SQG PHOTO WASTE (<100KG/MO)*			
BAY AREA VEIN & VASCULAR CENTER	1850 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.13 / 662.79	34
	***Facility ID**: FA0054032* ***Billing Status | Program Element**: Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
VNA & HOSPICE OF NORTHERN CA	1600 TROUSDALE BURLINGAME CA 94010	WSW	0.13 / 670.14	35
	***Facility ID**: FA0014245* ***Billing Status | Program Element**: Inactive, non-billable | SQG WITH TRANSPORT*			
CHEMICAL DEPENDENCY CENTER	1600 TROUSDALE BURLINGAME CA 94010	WSW	0.13 / 670.14	35
	***Facility ID**: FA0027855* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
NEALS COFFEE SHOP	1845 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.13 / 685.51	36
	***Facility ID**: FA0000488* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
SEES CANDIES #22	1843 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.14 / 719.76	39
	***Facility ID**: FA0002821* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
PROVIDENT CENTRAL CREDIT UNION	1825 MAGNOLIA BURLINGAME CA 94010	W	0.14 / 732.93	40
	***Facility ID**: FA0016672* ***Billing Status | Program Element**: Inactive, non-billable | UNDERGROUND TANK - GENERAL*			
HEALTH DIAGNOSTICS OF CALIFORNIA	1860 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.14 / 735.32	41
	***Facility ID**: FA0045141* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
PLASTIC SURGERY SPECIALISTS	1860 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.14 / 735.32	41

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Facility ID**: FA0029158* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
NORTHERN CA PRIMARY CARE ASSOC	1860 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.14 / 735.32	41
	***Facility ID**: FA0026189* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
MAGNOLIA GARDENS CARE CENTER	1609 TROUSDALE BURLINGAME CA 94010	WSW	0.14 / 748.71	42
	***Facility ID**: FA0026321* ***Billing Status | Program Element**: Inactive, non-billable | STORES HAZ MAT <1,199GAL,9,999LB,4,799CF, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
SKILLED NURSING FACILITY	1609 TROUSDALE BURLINGAME CA 94010	WSW	0.14 / 748.71	42
	***Facility ID**: FA0040235* ***Billing Status | Program Element**: Inactive, non-billable | SQG HEALTH FACILITY/SNF (1-199 LB/MO), Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
PENINSULA POST ACUTE	1609 TROUSDALE BURLINGAME CA 94010	WSW	0.14 / 748.71	42
	***Facility ID**: FA0057767* ***Billing Status | Program Element**: Active, billable | SQG HEALTH FACILITY/SNF (1-199 LB/MO), Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
MAGNOLIA GARDENS	1609 TROUSDALE BURLINGAME CA 94010	WSW	0.14 / 748.71	42
	***Facility ID**: FA0001477* ***Billing Status | Program Element**: Inactive, non-billable | SQG HEALTH FACILITY/SNF (1-199 LB/MO)*			
TOUS LES JOURS BAKERY	1849 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.14 / 758.09	43
	***Facility ID**: FA0061849* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
SOGO BAKERY, INC	1849 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.14 / 758.09	43
	***Facility ID**: FA0014378* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
FIVE A CAFE	1851 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.15 / 770.90	44
	***Facility ID**: FA0002896* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
FIVE AS CAFE	1851 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.15 / 770.90	44
	***Facility ID**: FA0055039* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
FULL HOUSE	1851 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.15 / 770.90	44
	***Facility ID**: FA0057725* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SUBWAY SANDWICHES & SALADS	1857 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.15 / 809.40	47
	***Facility ID**: FA0028235* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
YAO SUSHI	1861 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.16 / 835.14	48
	***Facility ID**: FA0029654* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
SUSHI SADA	1861 EL CAMINO REAL BURLINGAME CA 94402	WNW	0.16 / 835.14	48
	***Facility ID**: FA0054368* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
RAMEN HACHI	1861 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.16 / 835.14	48
	***Facility ID**: FA0062032* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
SUSHI SADA	1861 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.16 / 835.14	48
	***Facility ID**: FA0059941* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
PEGGY AMBUS, D.D.S.	1870 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.16 / 856.00	49
	***Facility ID**: FA0026547* ***Billing Status | Program Element**: Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION, Inactive, non-billable | GENERATES <27 GAL/YEAR*			
ZIGRANG, WILLIAM D., MD	1870 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.16 / 856.00	49
	***Facility ID**: FA0026286* ***Billing Status | Program Element**: Inactive, non-billable | SQG COMMON STORAGE AREA FAC (1-199 LB/MO)*			
STARBUCKS COFFEE	1865 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.16 / 860.92	50
	***Facility ID**: FA0028550* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
LONGS DRUG STORES #089	1871 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.17 / 923.23	52
	***Facility ID**: FA0016455* ***Billing Status | Program Element**: Inactive, non-billable | COND EXEMPT - SPECIAL WASTES, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF, Inactive, non-billable | GENERATES & RECYCLES WASTE OIL/SOLVENT*			
LONGS DRUG STORE #89	1871 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.17 / 923.23	52
	***Facility ID**: FA0002770* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MINUTECLINIC DIAG MED GRP OF CA INC	1871 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.17 / 923.23	52
	***Facility ID**: FA0054003* ***Billing Status | Program Element**: Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			
CVS Pharmacy # 9811	1871 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.17 / 923.23	52
	***Facility ID**: FA0045571* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO), Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Active, billable | GEN EXTREMELY HAZARDOUS WASTE - RCRA*			
HOLIDAY CLEANERS	1883 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.18 / 964.84	54
	***Facility ID**: FA0040429* ***Billing Status | Program Element**: Active, billable | GENERATES <27 GAL/YEAR, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
HOLIDAY CLEANERS	1883 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.18 / 964.84	54
	***Facility ID**: FA0007528* ***Billing Status | Program Element**: Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | GENERATES <27 GAL/YEAR*			
BURLINGAME 76 #253798	1876 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.19 / 990.22	56
	***Facility ID**: FA0017999* ***Billing Status | Program Element**: Inactive, non-billable | GENERATES <27 GAL/YEAR, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | STORES MV FUELS OR WASTE ONLY, Inactive, non-billable | UNDERGROUND TANK - GENERAL*			
BURLINGAME 76	1876 EL CAMINO REAL BURLINGAME CA 94011	WNW	0.19 / 990.22	56
	***Facility ID**: FA0040156* ***Billing Status | Program Element**: Inactive, non-billable | GENERATES & RECYCLES WASTE OIL/SOLVENT, Active, billable | UNDERGROUND TANK - GENERAL, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | GENERATES <27 GAL/YEAR, Active, billable | STORES MV FUELS OR WASTE ONLY*			
ALBERTSON	43 MURCHISON MILLBRAE CA 94030	WNW	0.22 / 1,162.79	63
	***Facility ID**: FA0027274* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | GENERATES <27 GAL/YEAR*			
Lucky #726	45 Murchison MILLBRAE CA 94030	WNW	0.22 / 1,166.09	64
	***Facility ID**: FA0000984* ***Billing Status | Program Element**: Active, billable | GEN <1 TONS HAZ WASTE/YR, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Active, billable | STORES MV FUELS OR WASTE ONLY, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
CHIPOTLE MEXICAN GRILL	135 EL CAMINO REAL MILLBRAE CA 94107	WNW	0.23 / 1,221.03	70
	***Facility ID**: FA0031291* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
Chipotle Mexican Grill #934	135 EL CAMINO REAL MILLBRAE CA 94030	WNW	0.23 / 1,221.03	70

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Facility ID**: FA0064742* ***Billing Status | Program Element**: Active, billable | STORES HAZ MAT <219GAL,1,999LB, 879CF*			
BURLINGAME FAMILY HEALTH	1820 OGDEN BURLINGAME CA 94010	WSW	0.25 / 1,294.01	75
	***Facility ID**: FA0026176* ***Billing Status | Program Element**: Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
BIO REFERENCE LABORATORIES INC	1820 OGDEN BURLINGAME CA 94010	WSW	0.25 / 1,294.01	75
	***Facility ID**: FA0054704* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
SUNRISE SENIOR LIVING	1818 TROUSDALE BURLINGAME CA 94010	WSW	0.25 / 1,298.25	76
	***Facility ID**: FA0059204* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Active, billable | STORES MV FUELS OR WASTE ONLY, Active, billable | GENERATES <27 GAL/YEAR*			
SUNRISE OF BURLINGAME	1818 TROUSDALE BURLINGAME CA 94010	WSW	0.25 / 1,298.25	76
	***Facility ID**: FA0064201* ***Billing Status | Program Element**: Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BURLINGAME PD-DISPOSAL PROGRAM	1111 TROUSDALE BURLINGAME CA 94010	N	0.02 / 81.75	4
	***Facility ID**: FA0033578* ***Billing Status | Program Element**: Inactive, non-billable | SQG COMMON STORAGE AREA FAC (1-199 LB/MO), Inactive, non-billable | SQG WITH TRANSPORT*			
CITY OF BURLINGAME POLICE DEPT	1111 TROUSDALE BURLINGAME CA 94010	N	0.02 / 81.75	4
	***Facility ID**: FA0009591* ***Billing Status | Program Element**: Active, billable | UNDERGROUND TANK - GENERAL, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Active, billable | STORES MV FUELS OR WASTE ONLY*			
CARE WEST BURLINGAME	1100 TROUSDALE BURLINGAME CA 94010	NW	0.02 / 104.34	5
	***Facility ID**: FA0013044* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | STORES HAZ MAT <1,199GAL,9,999LB,4,799CF*			
BURLINGAME SKILLED NURSING	1100 TROUSDALE BURLINGAME CA 94010	NW	0.02 / 104.34	5
	***Facility ID**: FA0031289* ***Billing Status | Program Element**: Active, billable | SQG HEALTH FACILITY/SNF (1-199 LB/MO), Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
BURLINGAME SENIOR CARE LLC	1100 TROUSDALE BURLINGAME CA 94010	NW	0.02 / 104.34	5
	***Facility ID**: FA0001492* ***Billing Status | Program Element**: Inactive, non-billable | LQG OFF-SITE TREATMENT >200 LB/MO*			
BURLINGAME LONG TERM CARE CENTER	1100 TROUSDALE BURLINGAME CA 94010	NW	0.02 / 104.34	5

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Facility ID**: FA0066548* ***Billing Status | Program Element**: Active, billable | STORES MV FUELS OR WASTE ONLY*			
NIECO CORP	15 GUITTARD BURLINGAME CA 94010	NE	0.05 / 272.93	13
	***Facility ID**: FA0008808* ***Billing Status | Program Element**: Inactive, non-billable | GENERATES <27 GAL/YEAR, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | STORES HAZ MAT <219GAL, 1,999LB, 879CF*			
GUITTARD CHOCOLATE	10 GUITTARD BURLINGAME CA 94010	NE	0.06 / 303.56	15
	***Facility ID**: FA0003879* ***Billing Status | Program Element**: Active, billable | GENERATES & RECYCLES WASTE OIL/SOLVENT, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Active, billable | STORES HAZ MAT <1, 199GAL,9,999LB,4,799CF*			
MILLS ESTATE VILLA	1733 CALIFORNIA BURLINGAME CA 94010	E	0.06 / 305.95	16
	***Facility ID**: FA0029525* ***Billing Status | Program Element**: Inactive, non-billable | INITIAL SETUP &MEDICAL WASTE REGISTRATION-SQG, Active, billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
ROOST, KENNETH M.D.	1828 EL CAMINO BURLINGAME CA 94010	WNW	0.07 / 386.72	21
	***Facility ID**: FA0026333* ***Billing Status | Program Element**: Temporarily inactive, non-billable | TIER 1 SQG REGISTRATION*			
BEVERLY COAT HANGER CO	35 INGOLD BURLINGAME CA 94010	E	0.18 / 963.46	53
	***Facility ID**: FA0065359* ***Billing Status | Program Element**: Active, billable | GENERATES <27 GAL/YEAR, Active, billable | STORES MV FUELS OR WASTE ONLY*			
VECTOR LABORATORIES INC	30 INGOLD BURLINGAME CA 94010	ENE	0.20 / 1,063.51	57
	***Facility ID**: FA0009840* ***Billing Status | Program Element**: Active, billable | GENERATES & RECYCLES WASTE OIL/SOLVENT, Active, billable | STORES HAZ MAT <1,199GAL,9,999LB,4,799CF, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
SEES CANDIES, INC	1760 ROLLINS BURLINGAME CA 94010	NE	0.21 / 1,101.54	58
	***Facility ID**: FA0027015* ***Billing Status | Program Element**: Active, billable | GENERATES & RECYCLES WASTE OIL/SOLVENT, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Active, billable | STORES MV FUELS OR WASTE ONLY*			
Garratt-Callahan Company	50 INGOLD BURLINGAME CA 94010	ENE	0.21 / 1,102.96	59
	***Facility ID**: FA0029565* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL INSPECTION FEE, Active, billable | STORES HAZ MAT >32000GAL, 224000LB, 112000CF, Active, billable | GEN <1 TONS HAZ WASTE/YR*			
SCHULZE MANUFACTURING	50 INGOLD BURLINGAME CA 94010	ENE	0.21 / 1,102.96	59
	***Facility ID**: FA0007568* ***Billing Status | Program Element**: Inactive, non-billable | GENERATES & RECYCLES WASTE OIL/SOLVENT, Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
DESIGN TECH HIGH SCHOOL	1800 ROLLINS BURLINGAME CA 94010	NE	0.21 / 1,115.90	60
	***Facility ID**: FA0058962* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
REGIONAL OCCUPATIONAL PROGRAM	1800 ROLLINS BURLINGAME CA 94010	NE	0.21 / 1,115.90	60
	***Facility ID**: FA0010518* ***Billing Status | Program Element**: Inactive, non-billable | GENERATES <27 GAL/YEAR, Inactive, non-billable | STORES HAZ MAT <219GAL,1,999LB, 879CF, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
CAMELLIA HEALTH CENTER	199 CALIFORNIA MILLBRAE CA 94030	NW	0.22 / 1,139.82	61
	***Facility ID**: FA0053368* ***Billing Status | Program Element**: Inactive, non-billable | SQG OFF-SITE TREATMENT (1-199 LB/MO)*			
CABRAL DDS, ANGELICA	199 CALIFORNIA MILLBRAE CA 94030	NW	0.22 / 1,139.82	61
	***Facility ID**: FA0049751* ***Billing Status | Program Element**: Inactive, non-billable | TIER 1 SQG REGISTRATION*			
NEXT CENTURY POWER INC	1832 ROLLINS BURLINGAME CA 94010	NNE	0.22 / 1,185.77	66
	***Facility ID**: FA0025211* ***Billing Status | Program Element**: Inactive, non-billable | GENERATES & RECYCLES WASTE OIL/SOLVENT, Inactive, non-billable | STORES HAZ MAT <1,199GAL,9,999LB,4,799CF*			
CITY OF BURLINGAME ROLLINS GENERATOR 1	1740 ROLLINS BURLINGAME CA 94010	ENE	0.23 / 1,194.92	67
	***Facility ID**: FA0054563* ***Billing Status | Program Element**: Active, billable | STORES MV FUELS OR WASTE ONLY, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
ROYAL ATHLETIC CLUB	1718 ROLLINS BURLINGAME CA 94010	ENE	0.24 / 1,273.58	74
	***Facility ID**: FA0015015* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS*			
PRIME TIME ATHLETIC CLUB	1730 ROLLINS BURLINGAME CA 94010	ENE	0.25 / 1,307.19	77
	***Facility ID**: FA0008055* ***Billing Status | Program Element**: Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS, Inactive, non-billable | CALARP - GENERAL*			

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Nov 2, 2020 has found that there are 9 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
HALDEN YU DDS	1750 EL CAMINO REAL STE 302 BURLINGAME CA 94010	SSE	0.01 / 54.47	2
WILLIAM B BOHANNAN DDS MD	1750 EL CAMINO REAL STE 403 BURLINGAME CA 94010-3217	SSE	0.01 / 54.47	2
MID PENINSULA UROLOGY GROUP INC	1750 EL CAMINO RD STE 307 BURLINGAME CA 94010	SSE	0.01 / 54.47	2
PENINSULA DERMATOLOGY MEDICAL GROUP INC	1750 EL CAMINO REAL STE 206 BURLINGAME CA 94010-3214	SSE	0.01 / 54.47	2

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
PACIFIC MOTOR TRUCKING CO	1766 EL CAMINO REAL BURLINGAME CA 94010	SW	0.00 / 0.00	1
CITY OF BURLINGAME PUBLIC WORKS	1111 TROUSDALE DRIVE BURLINGAME CA 94010-3209	N	0.02 / 81.75	4
BURLINGAME POLICE STATION	1111 TROUSDALE DR BURLINGAME CA 94010	N	0.02 / 81.75	4
BURLINGAME LONG TERM CARE CENTER	1100 TROUSDALE DRIVE BURLINGAME CA 94010	NW	0.02 / 104.34	5
SAN MATEO MEDICAL CENTER BURLI	1100 TROUSDALE DRIVE BURLINGAME CA 94010-3207	NW	0.02 / 104.34	5

FED DRYCLEANERS - Drycleaner Facilities

A search of the FED DRYCLEANERS database, dated Feb 17, 2021 has found that there are 2 FED DRYCLEANERS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
LUX CLEANERS	1560 TROUSDALE DRIVE BURLINGAME CA 94010	WSW	0.11 / 563.43	30
HOLIDAY CLEANERS	1883 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.18 / 964.84	54

ALT FUELS - Alternative Fueling Stations

A search of the ALT FUELS database, dated Apr 27, 2021 has found that there are 1 ALT FUELS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Friendship Plaza in Millbrae	45 Murchison Dr Millbrae CA 94030	WNW	0.23 / 1,198.48	68

SSTS - Registered Pesticide Establishments

A search of the SSTS database, dated Apr 13, 2021 has found that there are 1 SSTS site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
GARRATT-CALLAHAN CO	50 INGOLD RD - BURLINGAME CA 94010	E	0.14 / 712.92	37

State

DRYCLEANERS - Dry Cleaning Facilities

A search of the DRYCLEANERS database, dated Feb 22, 2021 has found that there are 8 DRYCLEANERS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
PRIMO CLEANERS	1560 TROUSDALE DRIVE BURLINGAME CA 940100000	WSW	0.11 / 563.43	30
LUX CLEANERS	1560 TROUSDALE DRIVE BURLINGAME CA 94010	WSW	0.11 / 563.43	30
LUX CLEANERS	1560 TROUSDALE DR BURLINGAME CA 940104507	WSW	0.11 / 563.43	30
LUX CLEANERS	1560 TROUSDALE DR BURLINGAME CA 94010	WSW	0.11 / 563.43	30
MILLS ESTATES CLEANERS	1560 TROUSDALE DR BURLINGAME CA 940100000	WSW	0.11 / 563.43	30
HOLIDAY CLEANERS	1883 EL CAMINO REAL BURLINGAME CA 940100000	WNW	0.18 / 964.84	54

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
HOLIDAY CLEANERS	1883 EL CAMINO REAL BURLINGAME CA 940103220	WNW	0.18 / 964.84	54

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CLARKS COIL LAUNDRY	1846 ROLLINS RD BURLINGAME CA 94010	NNE	0.24 / 1,244.14	71

SCH - School Property Evaluation Program Sites

A search of the SCH database, dated Jan 13, 2021 has found that there are 4 SCH site(s) within approximately 1.00 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MILLS HIGH SCHOOL	400 MURCHISON DRIVE MILLBRAE CA 94030-3099	W	0.43 / 2,265.81	100
	***Estor/EPA ID	Cleanup Status**: 41820006	NO ACTION REQUIRED AS OF 11/20/2001*		
SPRING VALLEY SCHOOL	817 MURCHISON DRIVE MILLBRAE CA 94030	WSW	0.51 / 2,670.57	107
	***Estor/EPA ID	Cleanup Status**: 60001361	NO FURTHER ACTION AS OF 7/18/2011*		

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ROLLINS ROAD SCHOOL SITE	1800 ROLLINS ROAD BURLINGAME CA 94010	NE	0.24 / 1,260.07	73
	***Estor/EPA ID	Cleanup Status**: 70000117	INACTIVE - NEEDS EVALUATION AS OF 10/27/2005*		
NEW CONTINUATION/ALTERNATIVE HIGH SCHOOL	858 - 860 HINCKLEY ROAD BURLINGAME CA 94010	ENE	0.68 / 3,593.28	110
	***Estor/EPA ID	Cleanup Status**: 60002622	INACTIVE - WITHDRAWN AS OF 7/26/2018*		

HAZNET - Hazardous Waste Manifest Data

A search of the HAZNET database, dated Oct 24, 2016 has found that there are 11 HAZNET site(s) within approximately 0.02 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ROBERT J SILVERMAN DDS INC	1750 EL CAMINO REAL BURLINGAME CA 940400000	SSE	0.01 / 54.47	2
PENINSULA DERMATOLOGY MEDICAL GROUP INC	1750 EL CAMINO REAL STE 206 BURLINGAME CA 940103214	SSE	0.01 / 54.47	2
OAK GROVE PHARMACY, INC.	1750 EL CAMINO REAL SUITE 101 BURLINGAME CA 94010	SSE	0.01 / 54.47	2

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
HALDEN YU DDS	1750 EL CAMINO REAL STE 302 BURLINGAME CA 94010	SSE	0.01 / 54.47	2
WILLIAM B BOHANNAN DDS MD	1750 EL CAMINO REAL STE 403 BURLINGAME CA 940103217	SSE	0.01 / 54.47	2
LAWRENCE E YOUNG DDS	1750 EL CAMINO REAL BURLINGAME CA 940100000	SSE	0.01 / 54.47	2
BAYVIEW ENVIRONMENTAL SER INC	1800 EL CAMINO REAL BURLINGAME CA 94010	W	0.02 / 79.35	3

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CERTOSA INC	1766 EL CAMINO REAL BURLINGAME CA 900000000	SW	0.00 / 0.00	1
PACIFIC MOTOR TRUCKING CO	1766 EL CAMINO REAL BURLINGAME CA 940100000	SW	0.00 / 0.00	1
CERTOSA INC	1766 EL CAMINO REAL BURLINGAME CA 940100000	SW	0.00 / 0.00	1
BURLINGAME LONG TERM CARE	1100 TROUSDALE DR BURLINGAME CA 94010	NW	0.02 / 104.34	5

CERS HAZ - California Environmental Reporting System (CERS) Hazardous Waste Sites

A search of the CERS HAZ database, dated Feb 9, 2021 has found that there are 6 CERS HAZ site(s) within approximately 0.12 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
LUNARDIS FOODS MARKET #8	1825 EL CAMINO REAL BURLINGAME CA 94010	W	0.07 / 369.55	20
SFO46	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
AT & T MOBILITY -BURLINGAME 12701	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SciBac Inc.	1828 EL CAMINO REAL STE 704 BURLINGAME CA 94010	WNW	0.08 / 416.40	23

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CITY OF BURLINGAME POLICE DEPT	1111 TROUSDALE DR BURLINGAME CA 94010	N	0.02 / 81.75	4
GUITTARD CHOCOLATE CO	10 GUITTARD RD BURLINGAME CA 94010	NE	0.09 / 479.06	26

EMISSIONS - Toxic Pollutant Emissions Facilities

A search of the EMISSIONS database, dated Dec 31, 2018 has found that there are 29 EMISSIONS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MILLS-PENINSULA MEDICAL CENTER	1783 EL CAMINO REAL BURLINGAME CA 94010	SSW	0.03 / 150.66	6
PENINSULA HOSPITAL AND MEDICAL	1783 EL CAMINO REAL BURLINGAME CA 94010	SSW	0.03 / 150.66	6
PENINSULA MEDICAL CENTER	1783 EL CAMINO REAL BURLINGAME CA 94010	SSW	0.03 / 150.66	6
MILLS PENINSULA MEDICAL CENTER	1783 EL CAMINO REAL BURLINGAME CA 94010	SSW	0.03 / 150.66	6
MID PENINSULA ENDOSCOPY CENTER	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
MILLS PENINSULA MEDICAL CENTER	1501 TROUSDALE DRIVE BURLINGAME CA 94010	S	0.09 / 458.84	24
ECRPA LLC	1501 TROUSDALE DRIVE BURLINGAME CA 94010	S	0.09 / 458.84	24
AG-LO 1720 EL CAMINO OWNER LLC	1501 TROUSDALE DRIVE BURLINGAME CA 94010	S	0.09 / 458.84	24

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
STEVE'S CLEANERS	1560 TROUSDALE DRIVE BURLINGAME CA 94010	WSW	0.11 / 563.43	30
ONE HOUR MARTINIZING	1560 TROUSDALE DRIVE BURLINGAME CA 94010	WSW	0.11 / 563.43	30
LUX CLEANERS	1560 TROUSDALE DRIVE BURLINGAME CA 94010	WSW	0.11 / 563.43	30
BAY AREA VEIN & VASCULAR CENTER	1850 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.13 / 662.79	34
PENINSULA HEALTH CARE DISTRICT	1600 TROUSDALE DR BURLINGAME CA 94010	WSW	0.15 / 788.27	45
HOLIDAY CLEANERS	1883 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.18 / 964.84	54
BURLINGAME 76	1876 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.19 / 990.22	56
ALBERTSONS #7143	45 MURCHISON DRIVE MILLBRAE CA 94030	WNW	0.23 / 1,198.48	68
LUCKY #726	45 MURCHISON DRIVE MILLBRAE CA 94030	WNW	0.23 / 1,198.48	68
ALBERTSONS #7143	45 MURCHISON DRIVE MILLBRAE CA	WNW	0.23 / 1,198.48	68
ALBERTSON'S,LLC #7143	45 MURCHISON DRIVE MILLBRAE CA 94030	WNW	0.23 / 1,198.48	68
SUNRISE SENIOR LIVING	1818 TROUSDALE DRIVE BURLINGAME CA 94010	WSW	0.25 / 1,298.25	76

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BURLINGAME POLICE STATION	1111 TROUSDALE DR BURLINGAME CA 94010	N	0.02 / 81.75	4
CITY OF BURLINGAME	1111 TROUSDALE DRIVE BURLINGAME CA 94010	N	0.02 / 81.75	4
SAN MATEO MEDICAL CENTER BURLI	1100 TROUSDALE DRIVE BURLINGAME CA 94010	NW	0.02 / 104.34	5
BURLINGAME LONG TERM CARE CENTER	1100 TROUSDALE DRIVE BURLINGAME CA 94010	NW	0.02 / 104.34	5
BURLINGAME LONG TERM CARE CENT	1100 TROUSDALE DRIVE BURLINGAME CA 94010	NW	0.02 / 104.34	5
GUITTARD CHOCOLATE COMPANY	10 GUITTARD ROAD BURLINGAME CA 94010	NE	0.09 / 479.06	26
SAN MATEO COUNTY OFFICE OF EDUCATION	1800 ROLLINS ROAD BURLINGAME CA 94010	NE	0.21 / 1,115.90	60
SAN MATEO COUNTY OFFICE OF EDU	1800 ROLLINS ROAD BURLINGAME CA 94010	NE	0.21 / 1,115.90	60
CITY OF BURLINGAME	1740 ROLLINS ROAD BURLINGAME CA 94010	ENE	0.24 / 1,252.76	72

County

MED WST SANMATEO - San Mateo County Medical Waste Facility List

A search of the MED WST SANMATEO database, dated Sep 21, 2020 has found that there are 113 MED WST SANMATEO site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ELLISTON MD, ROBERT R	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	2
PENINSULA DERMATOLOGY MED GRP	1750 EL CAMINO BURLINGAME CA 94010	SSE	0.01 / 54.47	2

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
PENINSULA PLASTIC SURGERY	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	2
LINNA GOLODRIGA DDS	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	2
BOHANNAN DDS, WILLIAM B	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	2
HALDEN S YU, DDS	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	2
XIE MD, HAICHUN	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	2
LABCORP	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	2
PENINSULA NEUROLOGICAL ASC MED GRP	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	2
YOUNG, LAWRENCE / CYNTHIA D.D.S.	1750 EL CAMINO REAAL BURLINGAME CA 94010	SSE	0.01 / 54.47	2
HALDEN S YU, DDS	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	2
MID PENINSULA UROLOGY GROUP	1750 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.01 / 54.47	2
PENINSULA SOUTH BAY CENTER	1791 EL CAMINO REAL BURLINGAME CA 94010	WSW	0.03 / 166.51	7
PENINSULA SOUTH BAY CENTER	1791 EL CAMINO REAL BURLINGAME CA 94010	WSW	0.03 / 166.51	7
MILLS PENINSULA HEALTH SVCS	1510 TROUSDALE BURLINGAME CA 94010	WSW	0.06 / 328.22	18

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MID PENINSULA MEDICAL ARTS BLDG	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
MILLS PENINSULA 1720 RENEL DIALYSIS	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
CARDIOVASCULAR ASSOC OF THE PEN	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
SURGICAL ASC OF THE PENINSULA	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
LIN, JERRY DMD	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
MILLS PEN. PHARMACY/LAB	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
BURLINGAME DIALYSIS	1720 EL CAMINO REAL BURLINGAME CA 94010-3224	SSE	0.07 / 367.39	19
SPMF - MATERNAL FETAL MEDICINE	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
BURLINGAME PEDIATRIC DENTISTRY	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
PULMONARY ASSOC	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
BRUCE, GENE K., M.D.	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
SHAPIRO, DEBRA M.D., INC	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
PENINSULA PEDIATRIC MED GRP	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BURLINGAME ORTHOPEDICS/SPORTS MED	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
MID PENINSULA MEDICAL ARTS BUILDING	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
MID PENINSULA MEDICAL ARTS BUILDING	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
LIU, VICTOR MD	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
PENINSULA MEDICAL GROUP	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
MPHS EMP HLTH CLINIC/PAMF EXT HRS CLINIC	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
MILLS PENINSULA HOSP OCCUP HEALTH	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
BENNER DR., ROBERT	1720 EL CAMINO REAL BURLINGAME CA 94010	SSE	0.07 / 367.39	19
KUBIN, ROBERT H., M.D.	1515 TROUSDALE BURLINGAME CA 94010-4515	WSW	0.08 / 407.52	22
BENNER M.D., ROBERT	1515 TROUSALE BURLINGAME CA 94010	WSW	0.08 / 407.52	22
PENINSULA MEDICAL BUILDING	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	22
STONE, RICHARD D.P.M.	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	22
DR RICCI CHEN	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	22

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
HO, DONALD M., MD	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	22
PENINSULA MEDICAL CENTER	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	22
MADANAT, NABEEL MD, INC	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	22
SAUNDERS, ANDRIENNE M., M. D.	1515 TROUSDALE BURLINGAME CA 94010	WSW	0.08 / 407.52	22
BURLINGAME PACIFICA MED GRP INC	1828 EL CAMINO REAAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
STEVEN RAIKE, DDS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
LABCORP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
GANDHI MD, RAJU	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
POWERS, DIANA C., D.D.S.	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
PENINSULA PROFESSIONAL CTR	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
SHEPPARD MD, BARRY B	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
PENINSULA SURG SPL MED GRP INC	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
LIN, JERRY DMD	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
WONG DDS, DAVID G	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
LINNA GOLODRIGA DDS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
DOUGLAS H MILLER, DDS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
MADANAT MD, NABEEL	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
HALO LABS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
QUEST DIAGNOSTICS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
MELAMUD UROLOGY GROUP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
PENINSULA PROFESSIONAL CENTER	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
HALO LABS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
MILLIKEN, S & K CONSANI DDS MS	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
PENINSULA WOMEN HEALTH, INC	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
EVA DWONG ACUPUNCTURE	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
PENINSULA ALLERGY AND ASTHMA ASSOCIATES	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23

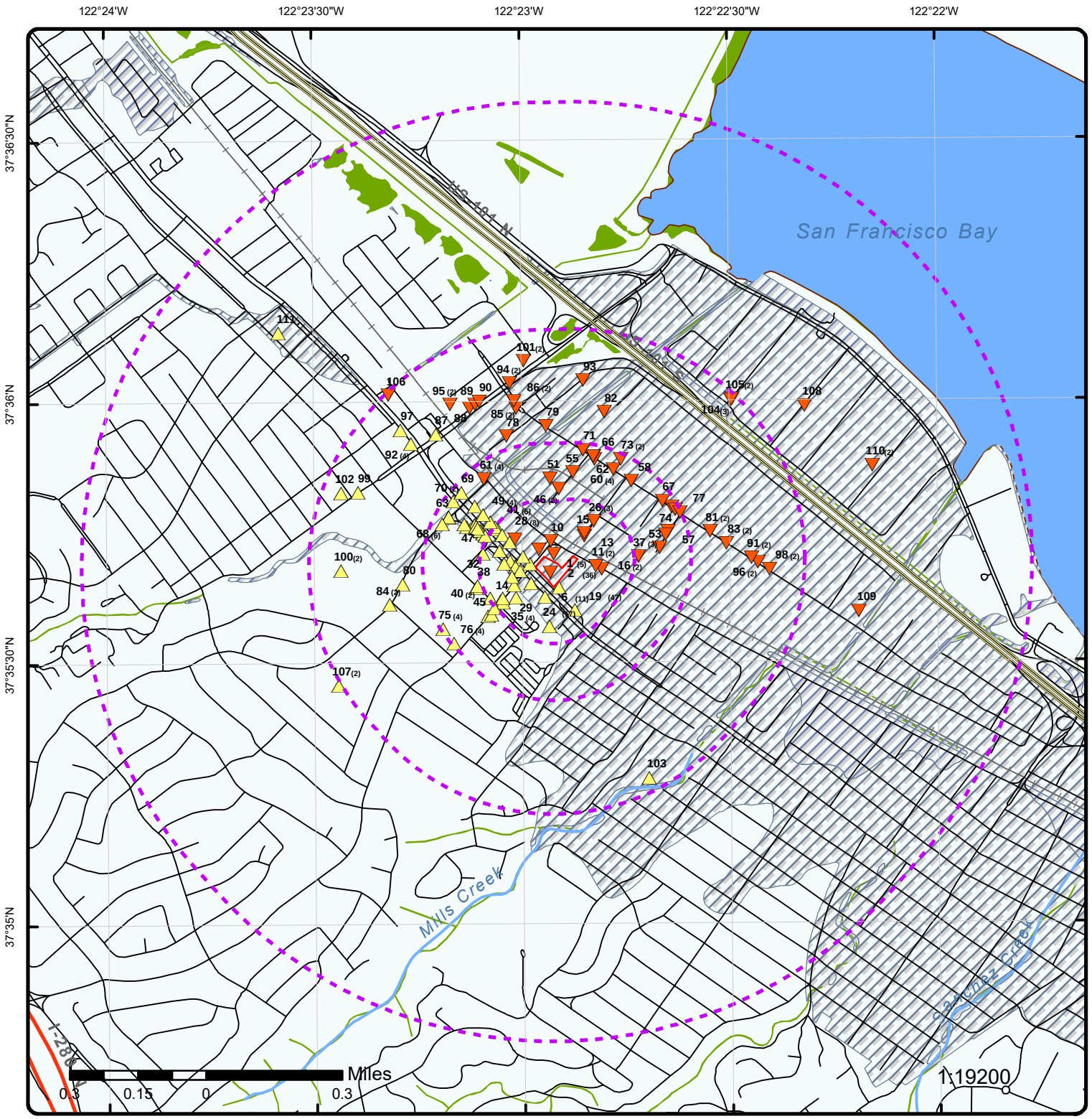
Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
WEST BAY ORTHOPAEDIC MED GRP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
GOLDSCHLAGER, ARNOLD M.D.	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
AITAN MELAMUD, M.D.	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
BURLINGAME SMILE	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
MADANAT MD, NABEEL	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
SCIBAC INC.	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
PENINSULA ENT MEDICAL GRP, INC	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
BURLINGAME PODIATRY GROUP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
DIAZ MEDICAL GROUP	1828 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.08 / 416.40	23
PENINSULA MEDICAL CENTER	1501 TROUSDALE BURLINGAME CA 94010	S	0.09 / 458.84	24
MILLS PENINSULA HEALTH SVCS	1501 TROUSDALE BURLINGAME CA 94010	S	0.09 / 458.84	24
PALO ALTO MEDICAL FOUNDATION	1501 TROUSDALE BURLINGAME CA 94010	S	0.09 / 458.84	24
PENINSULA MEDICAL CENTER	1501 TROUSDALE BURLINGAME CA 94010	S	0.09 / 458.84	24

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ALPER, PHILLIP R., M.D.	1838 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.10 / 537.08	28
LEMI MEDICAL CENTER	1838 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.10 / 537.08	28
STAFF BUILDERS HEALTH CARE SVC	1838 EL CAMINO REAL #109 BURLINGAME CA 94010	WNW	0.10 / 537.08	28
TENDER LOVING CARE	1838 EL CAMINO REAL 109 BURLINGAME CA 94010	WNW	0.10 / 537.08	28
UNITED DENTAL GROUP	1840 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.12 / 612.45	31
BURLINGAME FAMILY PET HOSPITAL	1808 MAGNOLIA BURLINGAME CA 94010	WSW	0.12 / 641.78	33
BAY AREA VEIN & VASCULAR CENTER	1850 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.13 / 662.79	34
CHEMICAL DEPENDENCY CENTER	1600 TROUSDALE BURLINGAME CA 94010	WSW	0.13 / 670.14	35
VNA & HOSPICE OF NORTHERN CA	1600 TROUSDALE AVE BURLINGAME CA 94010	WSW	0.13 / 670.14	35
BURLINGAME FAMILY PET HOSPITAL	1828 MAGNOLIA BURLINGAME CA 94010	W	0.14 / 715.32	38
PLASTIC SURGERY SPECIALISTS	1860 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.14 / 735.32	41
NORTHERN CA PRIMARY CARE ASSOC	1860 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.14 / 735.32	41
HEALTH DIAGNOSTICS OF CALIFORNIA	1860 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.14 / 735.32	41

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MAGNOLIA GARDENS	1609 TROUSDALE BURLINGAME CA 94010	WSW	0.14 / 748.71	42
SKILLED NURSING FACILITY	1609 TROUSDALE BURLINGAME CA 94010	WSW	0.14 / 748.71	42
PENINSULA POST ACUTE	1609 TROUSDALE BURLINGAME CA 94010	WSW	0.14 / 748.71	42
PEGGY AMBUS, D.D.S.	1870 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.16 / 856.00	49
ZIGRANG, WILLIAM D., MD	1870 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.16 / 856.00	49
CVS PHARMACY # 9811	1871 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.17 / 923.23	52
MINUTECLINIC DIAG MED GRP OF CA INC	1871 EL CAMINO REAL BURLINGAME CA 94010	WNW	0.17 / 923.23	52
BURLINGAME FAMILY HEALTH	1820 OGDEN BURLINGAME CA 94010	WSW	0.25 / 1,294.01	75
BIO REFERENCE LABORATORIES INC	1820 OGDEN BURLINGAME CA 94010	WSW	0.25 / 1,294.01	75
SUNRISE OF BURLINGAME	1818 TROUSDALE BURLINGAME CA 94010	WSW	0.25 / 1,298.25	76

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BURLINGAME PD-DISPOSAL PROGRAM	1111 TROUSDALE DR BURLINGAME CA 94010	N	0.02 / 81.75	4
BURLINGAME PD-DISPOSAL PROGRAM	1111 TROUSDALE BURLINGAME CA 94010	N	0.02 / 81.75	4
BURLINGAME SKILLED NURSING	1100 TROUSDALE BURLINGAME CA 94010	NW	0.02 / 104.34	5

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BURLINGAME SENIOR CARE LLC	1100 TROUSDALE BURLINGAME CA 94010	NW	0.02 / 104.34	5
MILLS PENINSULA HEALTH SVCS	863 TROUSDALE BURLINGAME CA 94010	N	0.04 / 197.44	10
MILLS ESTATE VILLA	1733 CALIFORNIA DR BURLINGAME CA 94010	E	0.04 / 230.74	11
MILLS ESTATE VILLA	1733 CALIFORNIA BURLINGAME CA 94010	E	0.06 / 305.95	16
ROOST, KENNETH M.D.	1828 EL CAMINO BURLINGAME CA 94010	WNW	0.07 / 386.72	21
CABRAL DDS, ANGELICA	199 CALIFORNIA MILLBRAE CA 94030	NW	0.22 / 1,139.82	61
CAMELLIA HEALTH CENTER	199 CALIFORNIA MILLBRAE CA 94030	NW	0.22 / 1,139.82	61



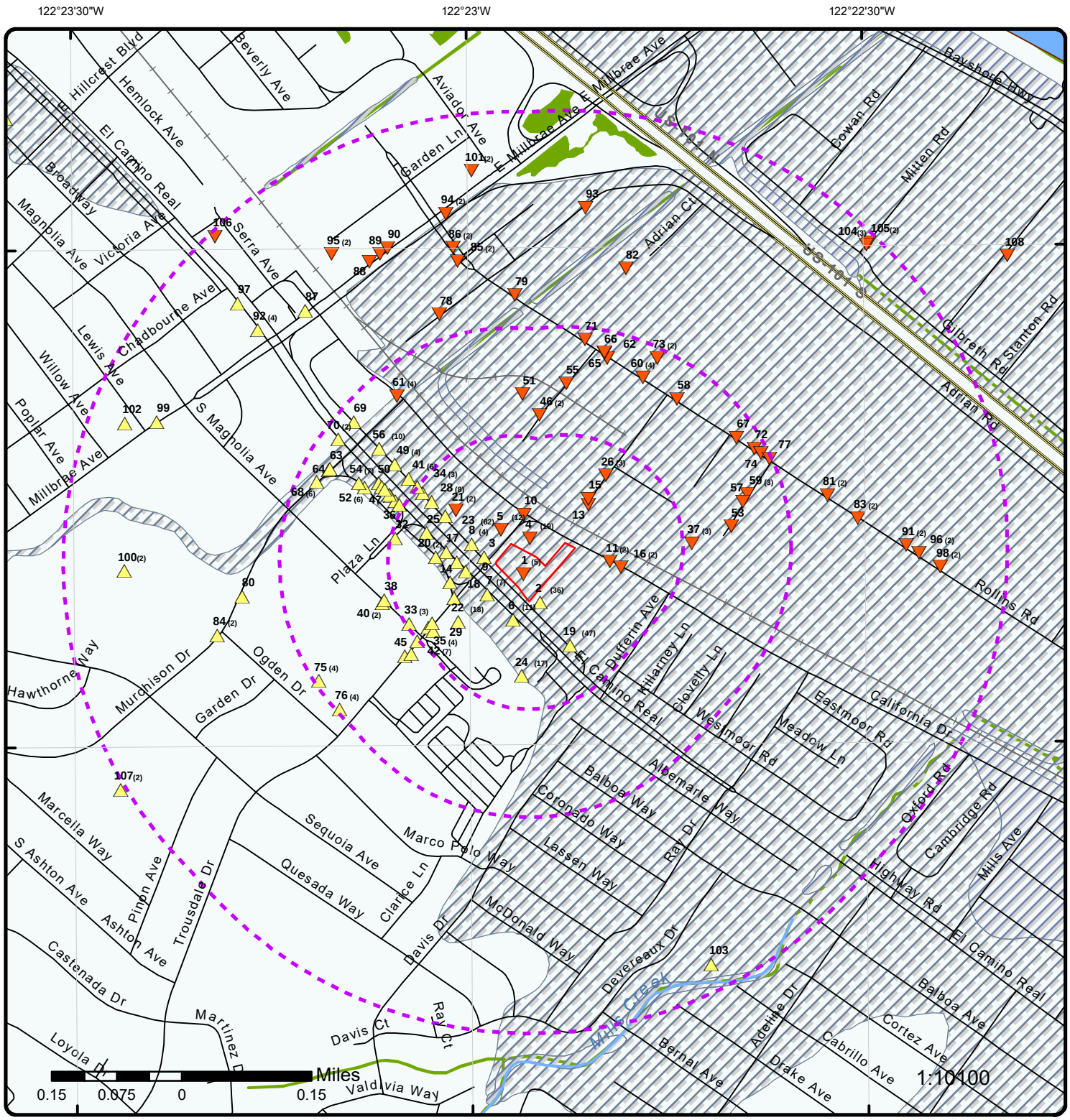
Map: 1.0 Mile Radius

Order Number: 21060900937

Address: 1766 El Camino Real, Burlingame, CA

ERIS

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- County Boundary
- Rails
- Major Highways
- Major Highways Ramps
- Major Roads
- Major Roads Ramps
- Secondary Roads
- Secondary Roads Ramps
- Local Roads and Ramps
- State Boundary
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- Historic Fill
- FWS Special Designation Areas
- State Brownfield Sites
- State Brownfield Areas
- State Superfund Areas:Dept. of Defense
- State Superfund Areas:NPL
- WQARF Areas
- Federal Lands: Dept. of Defense (owned/administered areas)



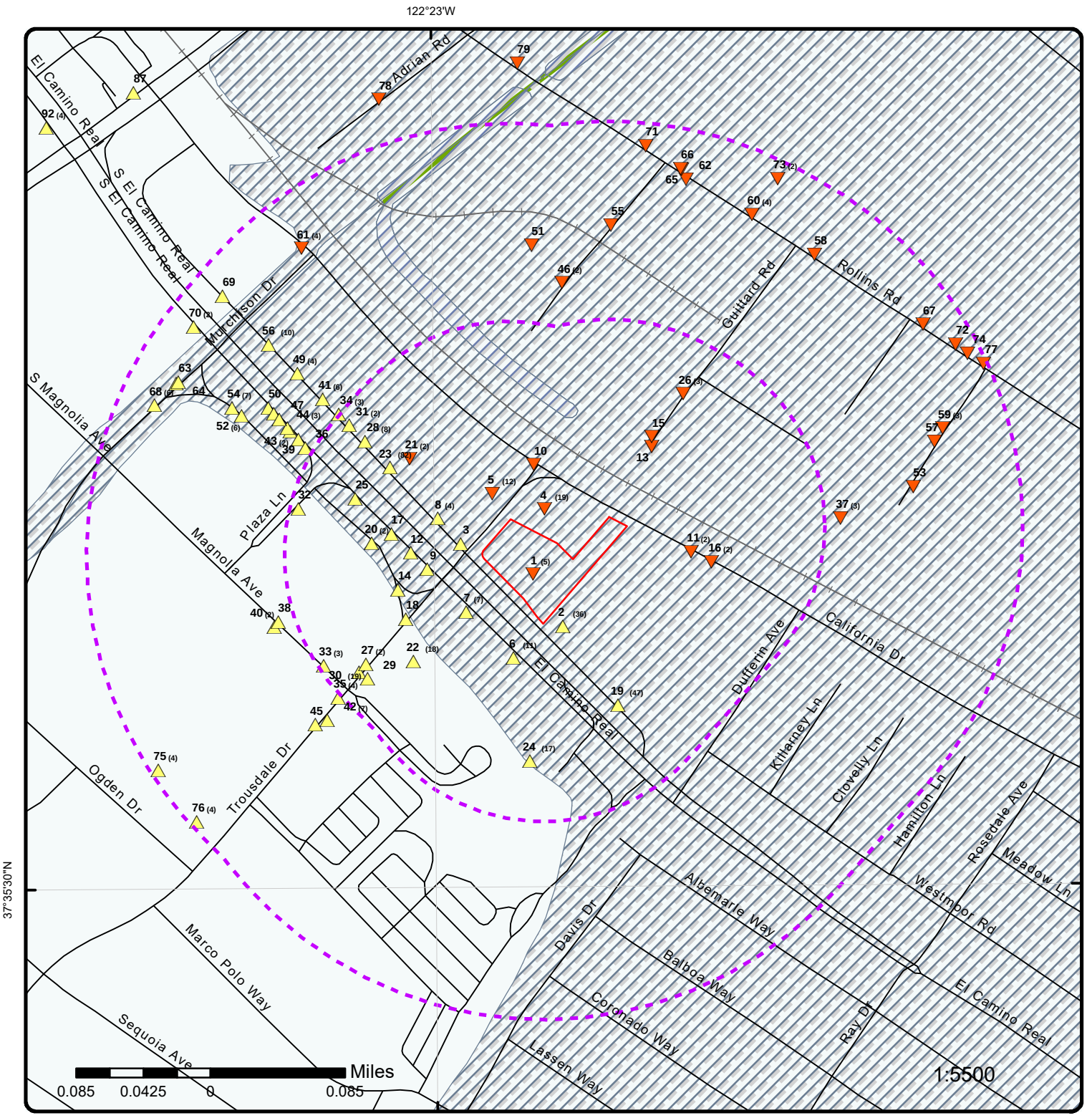
Map: 0.5 Mile Radius

Order Number: 21060900937

Address: 1766 El Camino Real, Burlingame, CA

ERIS

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	100 Year Flood Zone	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	500 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	Historic Fill	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		



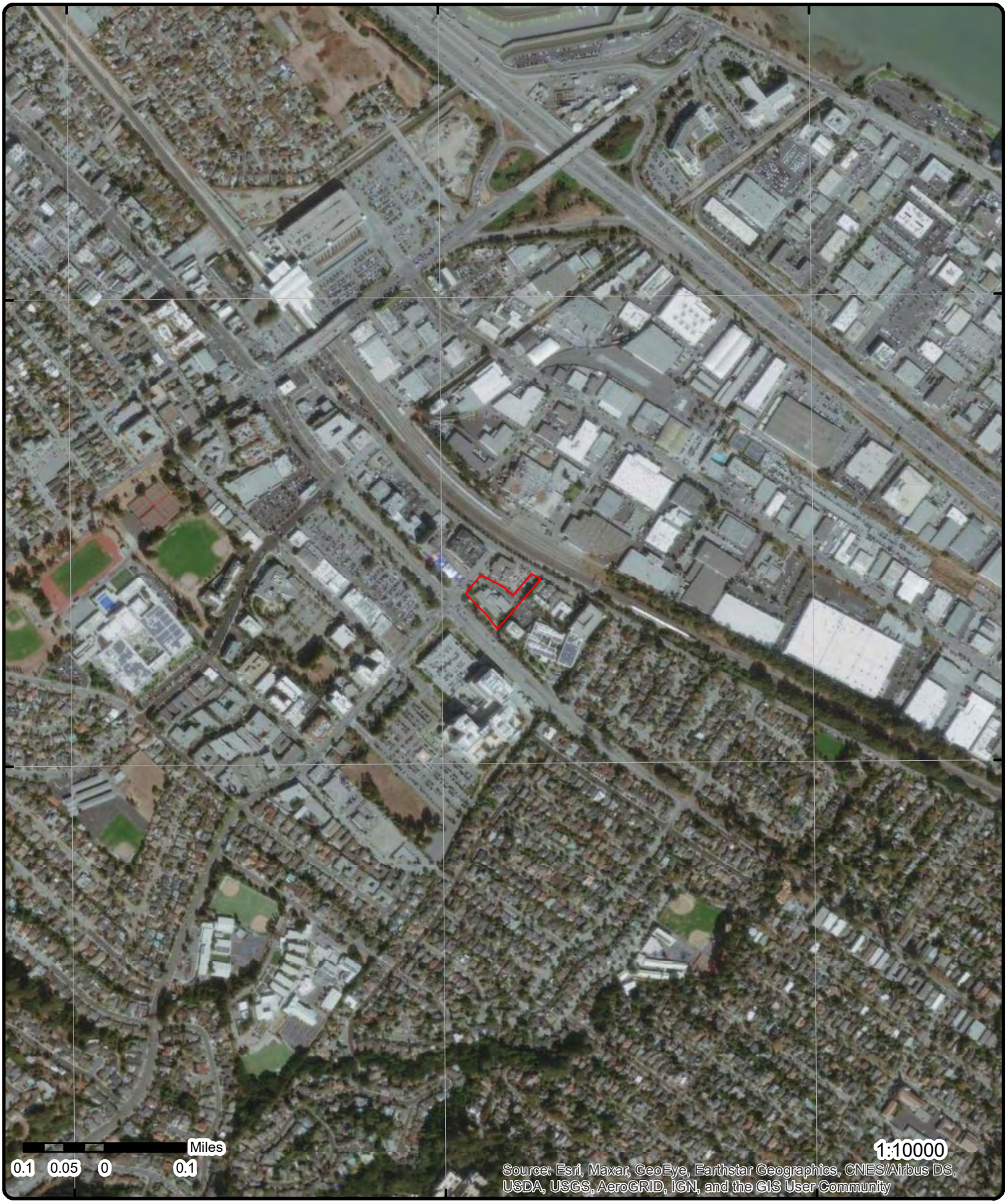
Map: 0.25 Mile Radius

Order Number: 21060900937

Address: 1766 El Camino Real, Burlingame, CA

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	100 Year Flood Zone	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	500 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	Historic Fill	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

Source: © 2016 ESRI

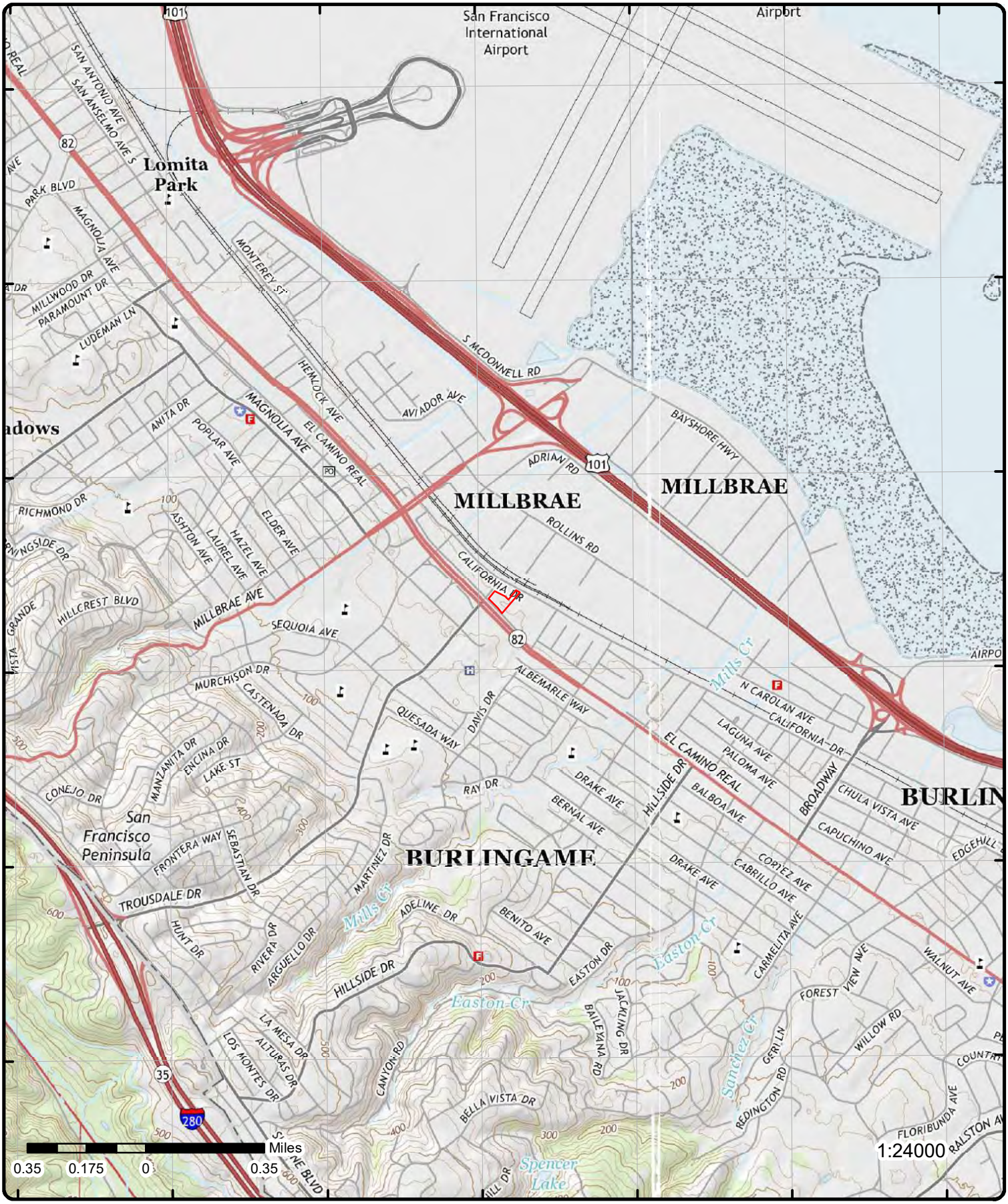


Aerial **Year: 2019**

Order Number: 21060900937

Address: 1766 El Camino Real, Burlingame, CA

Source: ESRI World Imagery



Topographic Map

Year: 2015

Order Number: 21060900937

Address: 1766 El Camino Real, CA

Quadrangle(s): Montara Mountain, CA; San Mateo, CA

Source: USGS Topographic Map

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 5	SW	0.00 / 0.00	17.06 / -4	PACIFIC MOTOR TRUCKING CO 1766 EL CAMINO REAL BURLINGAME CA 94010	RCRA NON GEN

EPA Handler ID: CAD981575707
Gen Status Universe: No Report
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: 1766 EL CAMINO REAL , , BURLINGAME , CA, 94010 , US
Contact Phone No and Ext: 415-692-1304
Contact Email:
Contact Country: US
County Name: SAN MATEO
EPA Region: 09
Land Type:
Receive Date: 19861124
Location Latitude: 37.586153
Location Longitude: -122.369649

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: Yes
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19861124
Handler Name: PACIFIC MOTOR TRUCKING CO
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Street No:
Street 1: NOT REQUIRED

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Name:	NOT REQUIRED	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Notification	**Zip Code:**	99999
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	PACIFIC MOTOR TRUCKING	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Notification	**Zip Code:**	99999

1 **2 of 5** **SW** **0.00 / 0.00** **17.06 / -4** **PACIFIC MOTOR TRUCKING CO**
1766 EL CAMINO REAL
BURLINGAME CA 94010
FINDS/FRS

Registry ID:	110002720271
FIPS Code:	06081
HUC Code:	18050004
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	01-MAR-00
Update Date:	06-AUG-10
Interest Types:	TRANSPORTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	12
Census Block Code:	060816050001004
EPA Region Code:	09
County Name:	SAN MATEO
US/Mexico Border Ind:	
Latitude:	37.59431
Longitude:	-122.38247
Reference Point:	CENTER OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110002720271
Program Acronyms:	

RCRAINFO:CAD981575707

1 **3 of 5** **SW** **0.00 / 0.00** **17.06 / -4** **PACIFIC MOTOR TRUCKING CO**
1766 EL CAMINO REAL
BURLINGAME CA 940100000
HAZNET

SIC Code:		**Mailing City:**	BURLINGAME
NAICS Code:		**Mailing State:**	CA
EPA ID:	CAD981575707	**Mailing Zip:**	940100000
Create Date:	4/10/1987	**Region Code:**	2
Fac Act Ind:	No	**Owner Name:**	--
Inact Date:	1/1/1995	**Owner Addr 1:**	--
County Code:	41	**Owner Addr 2:**	
County Name:	San Mateo	**Owner City:**	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Mail Name:		**Owner State:**	99
Mailing Addr 1:	1766 EL CAMINO REAL	**Owner Zip:**	--
Mailing Addr 2:		**Owner Phone:**	0000000000
Owner Fax:			

Contact Information

--	--
Contact Name:	UNDELIVERABLE PER SURVEY
Street Address 1:	12/94 AD
Street Address 2:	
City:	--
State:	99
Zip:	--
Phone:	--
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	4 of 5	SW	0.00 / 0.00	17.06 / -4	CERTOSA INC 1766 EL CAMINO REAL BURLINGAME CA 900000000	HAZNET

SIC Code:		**Mailing City:**	BURLINGAME
NAICS Code:		**Mailing State:**	CA
EPA ID:	CAC001300752	**Mailing Zip:**	900000000
Create Date:	3/20/1997	**Region Code:**	2
Fac Act Ind:	No	**Owner Name:**	CERTOSA INC
Inact Date:	6/30/1998	**Owner Addr 1:**	--
County Code:	41	**Owner Addr 2:**	
County Name:	San Mateo	**Owner City:**	BURLINGAME
Mail Name:		**Owner State:**	CA
Mailing Addr 1:	1766 EL CAMINO REAL	**Owner Zip:**	940100000
Mailing Addr 2:		**Owner Phone:**	0000000000
Owner Fax:			

Contact Information

--	--
Contact Name:	VINCENT MUZZI
Street Address 1:	INACT PER NONDELIVERABLE VQ98 NK
Street Address 2:	
City:	BURLINGAME
State:	CA
Zip:	940100000
Phone:	4156925406
--	--
--	--

Tanner Information

--	--
Generator EPA ID:	CAC001300752
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAL000027741
TSD County Code:	05
TSD County:	Calaveras
State Waste Code:	151
State Waste Code Desc.:	Asbestos containing waste
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	14.749
Year:	1997
--	--
Generator EPA ID:	CAC001300752
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAD982042475
TSD County Code:	48
TSD County:	Solano
State Waste Code:	151
State Waste Code Desc.:	Asbestos containing waste
Method Code:	D80

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Method Description:	Disposal, landfill
Tons:	75.852
Year:	1997
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	5 of 5	SW	0.00 / 0.00	17.06 / -4	CERTOSA INC 1766 EL CAMINO REAL BURLINGAME CA 940100000	HAZNET

SIC Code:		**Mailing City:**	BURLINGAME
NAICS Code:		**Mailing State:**	CA
EPA ID:	CAC000880832	**Mailing Zip:**	940100000
Create Date:	1/6/1995	**Region Code:**	2
Fac Act Ind:	No	**Owner Name:**	CERTOSA INC
Inact Date:	10/25/2000	**Owner Addr 1:**	1766 EL CAMINO REAL
County Code:	41	**Owner Addr 2:**	
County Name:	San Mateo	**Owner City:**	BURLINGAME
Mail Name:		**Owner State:**	CA
Mailing Addr 1:	1766 EL CAMINO REAL	**Owner Zip:**	940100000
Mailing Addr 2:		**Owner Phone:**	0000000000
Owner Fax:			

Contact Information

--	--
Contact Name:	MARIO MUZZI/BLDG MGR
Street Address 1:	1766 EL CAMINO REAL
Street Address 2:	
City:	BURLINGAME
State:	CA
Zip:	940100000
Phone:	4156925406
--	--
--	--

Tanner Information

--	--
Generator EPA ID:	CAC000880832
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAL000027741
TSD County Code:	05
TSD County:	Calaveras
State Waste Code:	151
State Waste Code Desc.:	Asbestos containing waste
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	2.9498
Year:	1995
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 36	SSE	0.01 / 54.47	22.27 / 1	ROBERT J SILVERMAN DDS INC 1750 EL CAMINO REAL BURLINGAME CA 940400000	HAZNET

SIC Code:		**Mailing City:**	HILLSBOROUGH
NAICS Code:		**Mailing State:**	CA
EPA ID:	CAL922095070	**Mailing Zip:**	940103214
Create Date:	7/27/1992	**Region Code:**	2
Fac Act Ind:	No	**Owner Name:**	ROBERT J SILVERMAN DS INC
Inact Date:	6/30/2000	**Owner Addr 1:**	1750 EL CAMINO STE 207
County Code:	41	**Owner Addr 2:**	
County Name:	San Mateo	**Owner City:**	BURLINGAME
Mail Name:		**Owner State:**	CA
Mailing Addr 1:	325 ROBINWOOD LN	**Owner Zip:**	940103214
Mailing Addr 2:		**Owner Phone:**	4156922893
Owner Fax:			

Contact Information

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Contact Name:	SARAH GOWER
Street Address 1:	INACTIVE PER VQ00 - BMI
Street Address 2:	
City:	BURLINGAME
State:	CA
Zip:	940103214
Phone:	--
--	--
--	--
Tanner Information	
--	--
Generator EPA ID:	CAL922095070
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAL922955281
TSD County Code:	43
TSD County:	Santa Clara
State Waste Code:	541
State Waste Code Desc.:	Photochemicals/photoprocessing waste
Method Code:	R01
Method Description:	Recycler
Tons:	0.0208
Year:	1994
--	--
Generator EPA ID:	CAL922095070
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAL922955281
TSD County Code:	43
TSD County:	Santa Clara
State Waste Code:	541
State Waste Code Desc.:	Photochemicals/photoprocessing waste
Method Code:	R01
Method Description:	Recycler
Tons:	0.0624
Year:	1995
--	--
Generator EPA ID:	CAL922095070
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAL922955281
TSD County Code:	43
TSD County:	Santa Clara
State Waste Code:	541
State Waste Code Desc.:	Photochemicals/photoprocessing waste
Method Code:	R01
Method Description:	Recycler
Tons:	0.0208
Year:	1996
--	--
Generator EPA ID:	CAL922095070
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAL922955281
TSD County Code:	43
TSD County:	Santa Clara
State Waste Code:	541
State Waste Code Desc.:	Photochemicals/photoprocessing waste
Method Code:	R01
Method Description:	Recycler
Tons:	0.0208
Year:	1997
--	--
Generator EPA ID:	CAL922095070
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAL000082530
TSD County Code:	43

TSD County:	Santa Clara
State Waste Code:	541
State Waste Code Desc.:	Photochemicals/photoprocessing waste
Method Code:	T01
Method Description:	Treatment, tank
Tons:	0.0417
Year:	1997
--	--
Generator EPA ID:	CAL922095070
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAL000082530
TSD County Code:	43
TSD County:	Santa Clara
State Waste Code:	541
State Waste Code Desc.:	Photochemicals/photoprocessing waste
Method Code:	T01
Method Description:	Treatment, tank
Tons:	0.0374
Year:	1998
--	--
Generator EPA ID:	CAL922095070
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAL000082530
TSD County Code:	43
TSD County:	Santa Clara
State Waste Code:	541
State Waste Code Desc.:	Photochemicals/photoprocessing waste
Method Code:	T01
Method Description:	Treatment, tank
Tons:	0.0125
Year:	1999
--	--
Generator EPA ID:	CAL922095070
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAL000082530
TSD County Code:	43
TSD County:	Santa Clara
State Waste Code:	
State Waste Code Desc.:	
Method Code:	T01
Method Description:	Treatment, tank
Tons:	0
Year:	1997
--	--
Generator EPA ID:	CAL922095070
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAL000082530
TSD County Code:	43
TSD County:	Santa Clara
State Waste Code:	
State Waste Code Desc.:	
Method Code:	T01
Method Description:	Treatment, tank
Tons:	0
Year:	1998
--	--
Generator EPA ID:	CAL922095070
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAL000082530
TSD County Code:	43
TSD County:	Santa Clara
State Waste Code:	
State Waste Code Desc.:	
Method Code:	T01

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Method Description: Treatment, tank
Tons: 0
Year: 1999
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2 **2 of 36** **SSE** **0.01 / 54.47** **22.27 / 1**

PENINSULA DERMATOLOGY MEDICAL GROUP INC
1750 EL CAMINO REAL STE 206
BURLINGAME CA 940103214

HAZNET

SIC Code: 8011
NAICS Code: 621493
EPA ID: CAL000353425
Create Date: 6/15/2010
Fac Act Ind: Yes
Inact Date:
County Code: 41
County Name: San Mateo
Mail Name:
Mailing Addr 1: 1750 EL CAMINO REAL STE 206
Mailing Addr 2:
Owner Fax: 6506927741

Mailing City: BURLINGAME
Mailing State: CA
Mailing Zip: 940103214
Region Code: 2
Owner Name: PENINSULA DERMATOLOGY MED GROUP INC
Owner Addr 1: 1750 EL CAMINO REAL STE 206
Owner Addr 2:
Owner City: BURLINGAME
Owner State: CA
Owner Zip: 940103214
Owner Phone: 6506920182

Contact Information
-- --
Contact Name: SARITA AHERN
Street Address 1: 1750 EL CAMINO REAL STE 206
Street Address 2:
City: BURLINGAME
State: CA
Zip: 94010
Phone: 6506920182
-- --

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2 **3 of 36** **SSE** **0.01 / 54.47** **22.27 / 1**

WILLIAM B BOHANNAN DDS MD
1750 EL CAMINO REAL STE 403
BURLINGAME CA 940103217

HAZNET

SIC Code: 8021
NAICS Code: 62121
EPA ID: CAL000302786
Create Date: 1/31/2006
Fac Act Ind: Yes
Inact Date:
County Code: 41
County Name: San Mateo
Mail Name:
Mailing Addr 1: 1750 EL CAMINO REAL STE 403
Mailing Addr 2:
Owner Fax: 0000000000

Mailing City: BURLINGAME
Mailing State: CA
Mailing Zip: 940103217
Region Code: 2
Owner Name: WILLIAM B BOHANNAN
Owner Addr 1: 1750 EL CAMINO REAL STE 403
Owner Addr 2:
Owner City: BURLINGAME
Owner State: CA
Owner Zip: 940103217
Owner Phone: 6506921530

Contact Information
-- --
Contact Name: WILLIAM B BOHANNAN
Street Address 1: 1750 EL CAMINO REAL STE 403
Street Address 2:
City: BURLINGAME
State: CA
Zip: 94010
Phone: 6506921530
-- --

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2 **4 of 36** **SSE** **0.01 / 54.47** **22.27 / 1**

HALDEN YU DDS
1750 EL CAMINO REAL STE 302
BURLINGAME CA 94010

HAZNET

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SIC Code:	8021	**Mailing City:**	BURLINGAME
NAICS Code:	62121	**Mailing State:**	CA
EPA ID:	CAL000297115	**Mailing Zip:**	940100000
Create Date:	8/3/2005	**Region Code:**	2
Fac Act Ind:	Yes	**Owner Name:**	HALDEN YU DDS
Inact Date:		**Owner Addr 1:**	1750 EL CAMINO REAL #302
County Code:	41	**Owner Addr 2:**	
County Name:	San Mateo	**Owner City:**	BURLINGAME
Mail Name:		**Owner State:**	CA
Mailing Addr 1:	1750 EL CAMINO REAL STE 302	**Owner Zip:**	940100000
Mailing Addr 2:		**Owner Phone:**	6506922548
Owner Fax:	6506922549		

Contact Information

--	--
Contact Name:	HALDEN YU DDS
Street Address 1:	1750 EL CAMINO REAL STE 302
Street Address 2:	
City:	BURLINGAME
State:	CA
Zip:	94010
Phone:	6506922548
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	5 of 36	SSE	0.01 / 54.47	22.27 / 1	LAWRENCE E YOUNG DDS 1750 EL CAMINO REAL BURLINGAME CA 940100000	HAZNET

SIC Code:		**Mailing City:**	BURLINGAME
NAICS Code:		**Mailing State:**	CA
EPA ID:	CAL000130562	**Mailing Zip:**	940100000
Create Date:	3/22/1995	**Region Code:**	2
Fac Act Ind:	No	**Owner Name:**	LAWRENCE E YOUNG DDS
Inact Date:	6/30/2002	**Owner Addr 1:**	1750 EL CAMINO REAL STE 302
County Code:	41	**Owner Addr 2:**	
County Name:	San Mateo	**Owner City:**	BURLINGAME
Mail Name:		**Owner State:**	CA
Mailing Addr 1:	1750 EL CAMINO REAL STE 302	**Owner Zip:**	--
Mailing Addr 2:		**Owner Phone:**	0000000000
Owner Fax:			

Contact Information

--	--
Contact Name:	LAWRENCE E YOUNG DDS
Street Address 1:	1750 EL CAMINO REAL STE 302
Street Address 2:	
City:	BURLINGAME
State:	CA
Zip:	940100000
Phone:	--
--	--
--	--

Tanner Information

--	--
Generator EPA ID:	CAL000130562
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAD009452657
TSD County Code:	41
TSD County:	San Mateo
State Waste Code:	541
State Waste Code Desc.:	Photochemicals/photoprocessing waste
Method Code:	R01
Method Description:	Recycler
Tons:	0.0208
Year:	1999
--	--

Generator EPA ID:	CAL000130562
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAL922955281
TSD County Code:	43
TSD County:	Santa Clara
State Waste Code:	541
State Waste Code Desc.:	Photochemicals/photoprocessing waste
Method Code:	R01
Method Description:	Recycler
Tons:	0.0416
Year:	1995
--	--
Generator EPA ID:	CAL000130562
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAL922955281
TSD County Code:	43
TSD County:	Santa Clara
State Waste Code:	541
State Waste Code Desc.:	Photochemicals/photoprocessing waste
Method Code:	R01
Method Description:	Recycler
Tons:	0.0208
Year:	1996
--	--
Generator EPA ID:	CAL000130562
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAL92255281
TSD County Code:	
TSD County:	
State Waste Code:	541
State Waste Code Desc.:	Photochemicals/photoprocessing waste
Method Code:	R01
Method Description:	Recycler
Tons:	0.0208
Year:	1996
--	--
Generator EPA ID:	CAL000130562
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAL92255281
TSD County Code:	
TSD County:	
State Waste Code:	541
State Waste Code Desc.:	Photochemicals/photoprocessing waste
Method Code:	R01
Method Description:	Recycler
Tons:	0.0208
Year:	1997
--	--
Generator EPA ID:	CAL000130562
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAD982041980
TSD County Code:	10
TSD County:	Fresno
State Waste Code:	541
State Waste Code Desc.:	Photochemicals/photoprocessing waste
Method Code:	T03
Method Description:	Treatment, incineration
Tons:	0.0208
Year:	1997
--	--
Generator EPA ID:	CAL000130562
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAD009452657

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

TSD County Code:	41
TSD County:	San Mateo
State Waste Code:	541
State Waste Code Desc.:	Photochemicals/photoprocessing waste
Method Code:	T03
Method Description:	Treatment, incineration
Tons:	0.0208
Year:	1998
--	--

2	6 of 36	SSE	0.01 / 54.47	22.27 / 1	**OAK GROVE PHARMACY, INC.** **1750 EL CAMINO REAL SUITE 101** **BURLINGAME CA 94010**	HAZNET

SIC Code:	5912	**Mailing City:**	BURLINGAME
NAICS Code:	44611	**Mailing State:**	CA
EPA ID:	CAC002709878	**Mailing Zip:**	94010
Create Date:	10/29/2012	**Region Code:**	2
Fac Act Ind:	No	**Owner Name:**	CATHY PADELFORD AND MARLENE HONG
Inact Date:	1/28/2013	**Owner Addr 1:**	1750 EL CAMINO REAL
County Code:	41	**Owner Addr 2:**	SUITE 101
County Name:	San Mateo	**Owner City:**	BURLINGAME
Mail Name:		**Owner State:**	CA
Mailing Addr 1:	1750 EL CAMINO REAL	**Owner Zip:**	94010
Mailing Addr 2:	SUITE 101	**Owner Phone:**	6506921686
Owner Fax:	6506920859		

Contact Information	
--	--
Contact Name:	CATHY PADELFORD
Street Address 1:	1750 EL CAMINO REAL
Street Address 2:	SUITE 101
City:	BURLINGAME
State:	CA
Zip:	94010
Phone:	6506921686
--	--
--	--
Tanner Information	
--	--
Generator EPA ID:	CAC002709878
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAD982042475
TSD County Code:	48
TSD County:	Solano
State Waste Code:	151
State Waste Code Desc.:	Asbestos containing waste
Method Code:	H132
Method Description:	LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
Tons:	0.4
Year:	2012
--	--
Generator EPA ID:	CAC002709878
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAD008302903
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	551
State Waste Code Desc.:	Laboratory waste chemicals
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.025
Year:	2012
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	7 of 36	SSE	0.01 / 54.47	22.27 / 1	HALDEN S YU, DDS 1750 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0029366

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG DENTAL FAC W/ PHOTO WASTE SELF CERTIF

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	8 of 36	SSE	0.01 / 54.47	22.27 / 1	PENINSULA NEUROLOGICAL ASC MED GRP 1750 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0044991

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	9 of 36	SSE	0.01 / 54.47	22.27 / 1	PENINSULA PLASTIC SURGERY 1750 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026298

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Active, billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	10 of 36	SSE	0.01 / 54.47	22.27 / 1	BOHANNAN DDS, WILLIAM B 1750 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0029604

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG PHOTO WASTE (<100KG/MO)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	11 of 36	SSE	0.01 / 54.47	22.27 / 1	MID PENINSULA UROLOGY GROUP	CUPA SANMATEO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					1750 EL CAMINO REAL BURLINGAME CA 94010	

Facility ID: FA0026123

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

2	12 of 36	SSE	0.01 / 54.47	22.27 / 1	YOUNG, LAWRENCE / CYNTHIA D. D.S. 1750 EL CAMINO REAAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026214

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

2	13 of 36	SSE	0.01 / 54.47	22.27 / 1	ELLISTON MD, ROBERT R 1750 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0044920

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

2	14 of 36	SSE	0.01 / 54.47	22.27 / 1	LABCORP 1750 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0025738

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

2	15 of 36	SSE	0.01 / 54.47	22.27 / 1	PENINSULA DERMATOLOGY MED GRP 1750 EL CAMINO BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026157

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	16 of 36	SSE	0.01 / 54.47	22.27 / 1	XIE MD, HAICHUN 1750 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0060063

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	17 of 36	SSE	0.01 / 54.47	22.27 / 1	WILLIAM B BOHANNAN DDS MD 1750 EL CAMINO REAL STE 403 BURLINGAME CA 94010-3217	RCRA NON GEN

EPA Handler ID: CAL000302786
Gen Status Universe: No Report
Contact Name: WILLIAM BOHANNAN
Contact Address: 1750 EL CAMINO REAL SUITE 403 , , BURLINGAME , CA, 94010 ,
Contact Phone No and Ext: 650-692-1530
Contact Email: BURLINGAME@WBOMS.COM
Contact Country:
County Name: SAN MATEO
EPA Region: 09
Land Type:
Receive Date: 20060131
Location Latitude: 37.593888
Location Longitude: -122.381917

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20060131
Handler Name: WILLIAM B BOHANNAN DDS MD
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1750 EL CAMINO REAL STE 403
Name:	WILLIAM B BOHANNAN	***Street 2:***	
Date Became Current:		***City:***	BURLINGAME
Date Ended Current:		***State:***	CA
Phone:	650-692-1530	***Country:***	
Source Type:	Implementer	***Zip Code:***	94010-3217

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1750 EL CAMINO REAL SUITE 403
Name:	WILLIAM BOHANNAN	***Street 2:***	
Date Became Current:		***City:***	BURLINGAME
Date Ended Current:		***State:***	CA
Phone:	650-692-1530	***Country:***	
Source Type:	Implementer	***Zip Code:***	94010

2	***18 of 36***	***SSE***	***0.01 / 54.47***	***22.27 / 1***	***HALDEN YU DDS 1750 EL CAMINO REAL STE 302 BURLINGAME CA 94010***	***RCRA NON GEN***

EPA Handler ID:	CAL000297115
Gen Status Universe:	No Report
Contact Name:	HALDEN YU DDS
Contact Address:	1750 EL CAMINO REAL STE 302 , , BURLINGAME , CA, 94010 ,
Contact Phone No and Ext:	650-692-2548
Contact Email:	DRHALDENYU@YAHOO.COM
Contact Country:	
County Name:	SAN MATEO
EPA Region:	09
Land Type:	
Receive Date:	20050803
Location Latitude:	37.593888
Location Longitude:	-122.381917

Violation/Evaluation Summary

Note:	NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20050803

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Handler Name: HALDEN YU DDS
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	1750 EL CAMINO REAL STE 302
Name:	HALDEN YU DDS	**Street 2:**	
Date Became Current:		**City:**	BURLINGAME
Date Ended Current:		**State:**	CA
Phone:	650-692-2548	**Country:**	
Source Type:	Implementer	**Zip Code:**	94010

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1750 EL CAMINO REAL #302
Name:	HALDEN YU DDS	**Street 2:**	
Date Became Current:		**City:**	BURLINGAME
Date Ended Current:		**State:**	CA
Phone:	650-692-2548	**Country:**	
Source Type:	Implementer	**Zip Code:**	94010-0000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	19 of 36	SSE	0.01 / 54.47	22.27 / 1	MID PENINSULA UROLOGY GROUP INC 1750 EL CAMINO RD STE 307 BURLINGAME CA 94010	RCRA NON GEN

EPA Handler ID: CAL000435223
Gen Status Universe: No Report
Contact Name: BONNIE MCGUIRE
Contact Address: 1750 EL CAMINO RD STE 307 , , BURLINGAME , CA, 94010 ,
Contact Phone No and Ext: 650-259-1480
Contact Email:
Contact Country:
County Name: SAN MATEO
EPA Region: 09
Land Type:
Receive Date: 20180424
Location Latitude: 37.593888
Location Longitude: -122.381917

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20180424
Handler Name:	MID PENINSULA UROLOGY GROUP INC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1750 EL CAMINO RD STE 307
Name:	BONNIE MCGUIRE	***Street 2:***	
Date Became Current:		***City:***	BURLINGAME
Date Ended Current:		***State:***	CA
Phone:	650-259-1480	***Country:***	
Source Type:	Implementer	***Zip Code:***	94010
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1750 EL CAMINO RD STE 307
Name:	ANDREW ROSENBERG MD	***Street 2:***	
Date Became Current:		***City:***	BURLINGAME
Date Ended Current:		***State:***	CA
Phone:	650-259-1480	***Country:***	
Source Type:	Implementer	***Zip Code:***	94010

2	***20 of 36***	***SSE***	***0.01 / 54.47***	***22.27 / 1***	***PENINSULA DERMATOLOGY MEDICAL GROUP INC 1750 EL CAMINO REAL STE 206 BURLINGAME CA 94010-3214***	***RCRA NON GEN***

EPA Handler ID:	CAL000353425
Gen Status Universe:	No Report
Contact Name:	SARITA AHERN
Contact Address:	1750 EL CAMINO REAL STE 206 , , BURLINGAME , CA, 94010 ,
Contact Phone No and Ext:	650-692-0182
Contact Email:	PENINSULADERMATOLOGY@GMAIL.COM
Contact Country:	
County Name:	SAN MATEO
EPA Region:	09
Land Type:	
Receive Date:	20100615
Location Latitude:	37.593888
Location Longitude:	-122.381917

Violation/Evaluation Summary

Note:	NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No

Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20100615
Handler Name:	PENINSULA DERMATOLOGY MEDICAL GROUP INC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1750 EL CAMINO REAL STE 206
Name:	SARITA AHERN	***Street 2:***	
Date Became Current:		***City:***	BURLINGAME
Date Ended Current:		***State:***	CA
Phone:	650-692-0182	***Country:***	
Source Type:	Implementer	***Zip Code:***	94010
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1750 EL CAMINO REAL STE 206
Name:	PENINSULA DERMATOLOGY MED GROUP INC	***Street 2:***	
Date Became Current:		***City:***	BURLINGAME
Date Ended Current:		***State:***	CA
Phone:	650-692-0182	***Country:***	
Source Type:	Implementer	***Zip Code:***	94010-3214

2	***21 of 36***	***SSE***	***0.01 / 54.47***	***22.27 / 1***	***HALDEN YU DDS 1750 EL CAMINO REAL STE 302 BURLINGAME CA 94010***	***FINDS/FRS***

Registry ID:	110070454589
FIPS Code:	06081
HUC Code:	
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	02-JAN-19
Update Date:	
Interest Types:	OTHER HAZARDOUS WASTE ACTIVITIES, TRANSPORTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	
Census Block Code:	
EPA Region Code:	09
County Name:	SAN MATEO
US/Mexico Border Ind:	
Latitude:	
Longitude:	
Reference Point:	
Coord Collection Method:	
Accuracy Value:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070454589
Program Acronyms:

RCRAINFO:CAL000297115

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	22 of 36	SSE	0.01 / 54.47	22.27 / 1	MID PENINSULA UROLOGY GROUP INC 1750 EL CAMINO RD STE 307 BURLINGAME CA 94010	FINDS/FRS

Registry ID: 110070484847
FIPS Code: 06081
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 03-JAN-19
Update Date:
Interest Types: OTHER HAZARDOUS WASTE ACTIVITIES
SIC Codes:
SIC Code Descriptions:
NAICS Codes: 523999
NAICS Code Descriptions: MISCELLANEOUS FINANCIAL INVESTMENT ACTIVITIES.
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 09
County Name: SAN MATEO
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070484847
Program Acronyms:

RCRAINFO:CAL000435223

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	23 of 36	SSE	0.01 / 54.47	22.27 / 1	PENINSULA DERMATOLOGY MEDICAL GROUP INC 1750 EL CAMINO REAL STE 206 BURLINGAME CA 94010-3214	FINDS/FRS

Registry ID: 110070477604
FIPS Code: 06081
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 02-JAN-19
Update Date:
Interest Types: OTHER HAZARDOUS WASTE ACTIVITIES, TRANSPORTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes: 621493

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

NAICS Code Descriptions: FREESTANDING AMBULATORY SURGICAL AND EMERGENCY CENTERS.
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 09
County Name: SAN MATEO
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070477604
Program Acronyms:

RCRAINFO:CAL000353425

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	24 of 36	SSE	0.01 / 54.47	22.27 / 1	WILLIAM B BOHANNAN DDS MD 1750 EL CAMINO REAL STE 403 BURLINGAME CA 94010-3217	FINDS/FRS

Registry ID: 110070467894
FIPS Code: 06081
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 02-JAN-19
Update Date:
Interest Types: OTHER HAZARDOUS WASTE ACTIVITIES, TRANSPORTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 09
County Name: SAN MATEO
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070467894
Program Acronyms:

RCRAINFO:CAL000302786

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	25 of 36	SSE	0.01 / 54.47	22.27 / 1	ELLISTON MD, ROBERT R 1750 EL CAMINO REAL	MED WST SANMATEO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					BURLINGAME CA 94010	

Facility ID: FA0044920
Record ID: PR0057143

Details

Status: ACTIVE
Program Element: TIER 1 SQG REGISTRATION
Curr Insp:
Strt No: 1750
Strt Addr: EL CAMINO REAL

2	*26 of 36*	*SSE*	*0.01 / 54.47*	*22.27 / 1*	***PENINSULA DERMATOLOGY MED GRP*** ***1750 EL CAMINO*** ***BURLINGAME CA 94010***	***MED*** ***WST SANMATEO***

Facility ID: FA0026157
Record ID: PR0037728

Details

Status: ACTIVE
Program Element: TIER 1 SQG REGISTRATION
Curr Insp: 9/4/2017
Strt No: 1750
Strt Addr: EL CAMINO

2	*27 of 36*	*SSE*	*0.01 / 54.47*	*22.27 / 1*	***PENINSULA PLASTIC SURGERY*** ***1750 EL CAMINO REAL*** ***BURLINGAME CA 94010***	***MED*** ***WST SANMATEO***

Facility ID: FA0026298
Record ID: PR0037968

Details

Status: ACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp: 5/25/2019
Strt No: 1750
Strt Addr: EL CAMINO REAL

2	*28 of 36*	*SSE*	*0.01 / 54.47*	*22.27 / 1*	***LINNA GOLODRIGA DDS*** ***1750 EL CAMINO REAL*** ***BURLINGAME CA 94010***	***MED*** ***WST SANMATEO***

Facility ID: FA0029367
Record ID: PR0049880

Details

Status: ACTIVE
Program Element: TIER 1 SQG REGISTRATION
Curr Insp:
Strt No: 1750
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	29 of 36	SSE	0.01 / 54.47	22.27 / 1	BOHANNAN DDS, WILLIAM B 1750 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0029604
Record ID: PR0051749

Details

Status: INACTIVE
Program Element: SQG PHOTO WASTE (<100KG/MO)
Curr Insp: 9/3/2015
Strt No: 1750
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	30 of 36	SSE	0.01 / 54.47	22.27 / 1	HALDEN S YU, DDS 1750 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0029366
Record ID: PR0049879

Details

Status: ACTIVE
Program Element: TIER 1 SQG REGISTRATION
Curr Insp:
Strt No: 1750
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	31 of 36	SSE	0.01 / 54.47	22.27 / 1	XIE MD, HAICHUN 1750 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0060063
Record ID: PR0082509

Details

Status: ACTIVE
Program Element: TIER 1 SQG REGISTRATION
Curr Insp:
Strt No: 1750
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	32 of 36	SSE	0.01 / 54.47	22.27 / 1	LABCORP 1750 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0025738
Record ID: PR0035136

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp: 9/8/2017
Strt No: 1750
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	33 of 36	SSE	0.01 / 54.47	22.27 / 1	PENINSULA NEUROLOGICAL ASC MED GRP 1750 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0044991
Record ID: PR0057240

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1750
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	34 of 36	SSE	0.01 / 54.47	22.27 / 1	YOUNG, LAWRENCE / CYNTHIA D. D.S. 1750 EL CAMINO REAAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026214
Record ID: PR0037817

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1750
Strt Addr: EL CAMINO REAAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	35 of 36	SSE	0.01 / 54.47	22.27 / 1	HALDEN S YU, DDS 1750 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0029366
Record ID: PR0050970

Details

Status: INACTIVE
Program Element: SQG DENTAL FAC W/ PHOTO WASTE SELF CERTIF
Curr Insp:
Strt No: 1750
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	36 of 36	SSE	0.01 / 54.47	22.27 / 1	MID PENINSULA UROLOGY GROUP 1750 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026123
Record ID: PR0037678

Details

Status: ACTIVE
Program Element: TIER 1 SQG REGISTRATION
Curr Insp:
Strt No: 1750
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	1 of 1	W	0.02 / 79.35	25.40 / 4	BAYVIEW ENVIRONMENTAL SER INC 1800 EL CAMINO REAL BURLINGAME CA 94010	HAZNET

SIC Code:
NAICS Code:
EPA ID: CAC002594632
Create Date: 8/25/2005
Fac Act Ind: No
Inact Date: 2/22/2006
County Code: 41
County Name: San Mateo
Mail Name:
Mailing Addr 1: 6925 SAN LEANDRO ST
Mailing Addr 2:
Owner Fax:

Mailing City: OAKLAND
Mailing State: CA
Mailing Zip: 94577
Region Code: 2
Owner Name: BAYVIEW ENVIRONMENTAL
Owner Addr 1: 6925 SAN LEANDRO ST
Owner Addr 2:
Owner City: OAKLAND
Owner State: CA
Owner Zip: 94577
Owner Phone: 5105626181

Contact Information
-- --
Contact Name: DAVE DAVIS
Street Address 1: 6925 SAN LEANDRO ST
Street Address 2:
City: OAKLAND
State: CA
Zip: 94577
Phone: 5105626181
-- --

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	1 of 19	N	0.02 / 81.75	18.10 / -3	CITY OF BURLINGAME PUBLIC WORKS 1111 TROUSDALE DRIVE BURLINGAME CA 94010-3209	FINDS/FRS

Registry ID: 110038014788
FIPS Code: 06081
HUC Code: 18050004
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 14-FEB-09
Update Date: 01-JUN-17
Interest Types: AIR EMISSIONS CLASSIFICATION UNKNOWN, OTHER HAZARDOUS WASTE ACTIVITIES
SIC Codes:
SIC Code Descriptions:
NAICS Codes: 921190
NAICS Code Descriptions: OTHER GENERAL GOVERNMENT SUPPORT.
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 12
Census Block Code: 060816050001001
EPA Region Code: 09
County Name: SAN MATEO
US/Mexico Border Ind:
Latitude: 37.59536
Longitude: -122.38232
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110038014788
Program Acronyms:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

EIS:10066311, RCRAINFO:CAC003024328

4	2 of 19	N	0.02 / 81.75	18.10 / -3	CITY OF BURLINGAME 1111 TROUSDALE Burlingame CA 94010	DELISTED TNK

Delisted Storage Tanks

Facility ID: 41-000-001111
Permitting Agency: SAN MATEO COUNTY
County: San Mateo
Original Source: UST
Record Date: 30-JAN-2017
Latitude: 37.596384
Longitude: -122.380539

4	3 of 19	N	0.02 / 81.75	18.10 / -3	CITY OF BURLINGAME POLICE DEPT 1111 TROUSDALE BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0009591

Detail(s)

Program Category: UNDERGROUND TANK PROGRAM
Billing Status: Active, billable
Program Element: UNDERGROUND TANK - GENERAL

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Active, billable
Program Element: STORES MV FUELS OR WASTE ONLY

4	4 of 19	N	0.02 / 81.75	18.10 / -3	BURLINGAME PLOICE STATION 1111 TROUSDALE BURLINGAME CA 94010	HHSS

County:
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002bd43.pdf

4	5 of 19	N	0.02 / 81.75	18.10 / -3	BURLINGAME POLICE STATION 1111 TROUSDALE DR BURLINGAME CA 94010	FINDS/FRS

Registry ID: 110066064234
FIPS Code: 06081
HUC Code: 18050004
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 14-OCT-15
Update Date:
Interest Types: AIR EMISSIONS CLASSIFICATION UNKNOWN, STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes: 447110

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

NAICS Code Descriptions: GASOLINE STATIONS WITH CONVENIENCE STORES.
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 12
Census Block Code: 060816050001004
EPA Region Code: 09
County Name: SAN MATEO
US/Mexico Border Ind:
Latitude: 37.59503
Longitude: -122.38189
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066064234
Program Acronyms:

CA-ENVIROVIEW:14113, EIS:18278411

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	6 of 19	N	0.02 / 81.75	18.10 / -3	CITY OF BURLINGAME POLICE DEPT 1111 TROUSDALE DR BURLINGAME CA 94010	DELISTED CTNK

Site ID: 14113
County: San Mateo County
Original Source: CTNK
Latitude: 37.595039
Longitude: -122.381900
Record Date: 07-AUG-2020

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	7 of 19	N	0.02 / 81.75	18.10 / -3	CITY OF BURLINGAME POLICE DEPT 1111 TROUSDALE DR BURLINGAME CA 94010	UST

Facility ID: 201109_009591
CERS ID: 10064290
County: San Mateo
Latitude: 37.595039
Longitude: -122.381905
Permitting Agency: San Mateo County Environmental Health
Note: Information related to facilities can be searched on Geo Tracker Website: https://geotracker.waterboards.ca.gov/search
Site Facility Type: PERMITTED UNDERGROUND STORAGE TANK (UST)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	8 of 19	N	0.02 / 81.75	18.10 / -3	CITY OF BURLINGAME 1111 TROUSDALE DRIVE BURLINGAME CA 94010	EMISSIONS

2004 Criteria Data

Facility ID: 14472
Facility SIC Code: 9199
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .006
ROGT: .0050202
COT: .015
NOXT: .07
SOXT: .001
PMT: .005
PM10T: .00488

2004 Toxic Data

Facility ID:	14472	***COID:***	SM
Facility SIC Code:	9199	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2005 Criteria Data

Facility ID:	14472	***CERR Code:***	
Facility SIC Code:	9199	***TOGT:***	.006
CO:	41	***ROGT:***	.0050202
Air Basin:	SF	***COT:***	.015
District:	BA	***NOXT:***	.07
COID:	SM	***SOXT:***	.001
DISN:	BAY AREA AQMD	***PMT:***	.005
CHAPIS:		***PM10T:***	.00488

2005 Toxic Data

Facility ID:	14472	***COID:***	SM
Facility SIC Code:	9199	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	14472	***CERR Code:***	
Facility SIC Code:	9199	***TOGT:***	0
CO:	41	***ROGT:***	0
Air Basin:	SF	***COT:***	0
District:	BA	***NOXT:***	0
COID:	SM	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

2006 Toxic Data

Facility ID:	14472	***COID:***	SM
Facility SIC Code:	9199	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	14472	***CERR Code:***	
Facility SIC Code:	9199	***TOGT:***	0
CO:	41	***ROGT:***	0

Air Basin:	SF	**COT:**	0
District:	BA	**NOXT:**	0
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2007 Toxic Data

Facility ID:	14472	**COID:**	SM
Facility SIC Code:	9199	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2008 Criteria Data

Facility ID:	14472	**CERR Code:**	
Facility SIC Code:	9199	**TOGT:**	.001
CO:	41	**ROGT:**	.0008367
Air Basin:	SF	**COT:**	.003
District:	BA	**NOXT:**	.012
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	.001
CHAPIS:		**PM10T:**	.000976

2008 Toxic Data

Facility ID:	14472	**COID:**	SM
Facility SIC Code:	9199	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	14472	**CERR Code:**	
Facility SIC Code:	9199	**TOGT:**	.001
CO:	41	**ROGT:**	.0008367
Air Basin:	SF	**COT:**	.003
District:	BA	**NOXT:**	.012
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	.001
CHAPIS:		**PM10T:**	.000976

2009 Toxic Data

Facility ID:	14472	**COID:**	SM
Facility SIC Code:	9199	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	14472	***COID:***	SM
Facility SIC Code:	9199	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2011 Criteria Data

Facility ID:	14472	***CERR Code:***	
Facility SIC Code:	9199	***TOGT:***	0
CO:	41	***ROGT:***	0
Air Basin:	SF	***COT:***	0
District:	BA	***NOXT:***	.001
COID:	SM	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

2011 Toxic Data

Facility ID:	14472	***COID:***	SM
Facility SIC Code:	9199	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2012 Criteria Data

Facility ID:	14472	***CERR Code:***	
Facility SIC Code:	9199	***TOGT:***	.001
CO:	41	***ROGT:***	.0008367
Air Basin:	SF	***COT:***	.003
District:	BA	***NOXT:***	.012
COID:	SM	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	. 00102459016393442622950819672131147540 9836
CHAPIS:		***PM10T:***	.001

2012 Toxic Data

Facility ID:	14472	***COID:***	SM
Facility SIC Code:	9199	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Criteria Data

Facility ID:	14472	**CERR Code:**	
Facility SIC Code:	9199	**TOGT:**	.001
CO:	41	**ROGT:**	.0008367
Air Basin:	SF	**COT:**	.003
District:	BA	**NOXT:**	.012
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	.001
CHAPIS:		**PM10T:**	.001

2013 Toxic Data

Facility ID:	14472	**COID:**	SM
Facility SIC Code:	9199	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2014 Criteria Data

Facility ID:	14472	**CERR Code:**	
Facility SIC Code:	9199	**TOGT:**	.000168886
CO:	41	**ROGT:**	
Air Basin:	SF	**COT:**	.00051
District:	BA	**NOXT:**	.002345891
COID:	SM	**SOXT:**	.000001087
DISN:	BAY AREA AQMD	**PMT:**	.000174632
CHAPIS:		**PM10T:**	.000167647

2014 Toxic Data

Facility ID:	14472	**COID:**	SM
Facility SIC Code:	9199	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2015 Criteria Data

Facility ID:	14472	**CERR Code:**	
Facility SIC Code:	9199	**TOGT:**	.000168886
CO:	41	**ROGT:**	.000164426
Air Basin:	SF	**COT:**	.00051
District:	BA	**NOXT:**	.002345891
COID:	SM	**SOXT:**	.000001087
DISN:	BAY AREA AQMD	**PMT:**	.000174632
CHAPIS:		**PM10T:**	.000167647

2015 Toxic Data

Facility ID:	14472	**COID:**	SM
Facility SIC Code:	9199	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2016 Criteria Data

Facility ID:	14472	**CERR CODE:**	
Facility SIC Code:	9199	**TOGT:**	.000844429
CO:	41	**ROGT:**	.0007418308765
Air Basin:	SF	**COT:**	.002549999
District:	BA	**NOXT:**	.011729458
COID:	SM	**SOXT:**	.000005438
DISN:	BAY AREA AQMD	**PMT:**	.000167513
CHAPIS:		**PM10T:**	.000160812

2016 Toxic Data

Facility ID:	14472	**TS:**	
Facility SIC Code:	9199	**HRA:**	
CERR CODE:		**CH Index:**	
COID:	SM	**AH Index:**	
CO:	41	**Air Basin:**	SF
DISN:	BAY AREA AQMD	**District:**	BA
CHAPIS:			

2017 Criteria Data

Facility ID:	14472	**CERR Code:**	
Facility SIC Code:	9199	**TOGT:**	.000844429
CO:	41	**ROGT:**	.0007418308765
Air Basin:	SF	**COT:**	.002549999
District:	BA	**NOXT:**	.011729458
COID:	SM	**SOXT:**	.000005438
DISN:	BAY AREA AQMD	**PMT:**	.000167513
CHAPIS:		**PM10T:**	.000160812

2017 Toxic Data

Facility ID:	14472	**COID:**	SM
Facility SIC Code:	9199	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2018 Criteria Data

Facility ID:	14472	**CERR Code:**	
Facility SIC Code:	9199	**TOGT:**	.000675992
CO:	41	**ROGT:**	.000593858972
Air Basin:	SF	**COT:**	.002041353
District:	BA	**NOXT:**	.009389794
COID:	SM	**SOXT:**	.000004353
DISN:	BAY AREA AQMD	**PMT:**	.000134099
CHAPIS:		**PM10T:**	.000128735

2018 Toxic Data

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID: 14472
Facility SIC Code: 9199
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

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4 | 9 of 19 | N | 0.02 / 81.75 | 18.10 / -3 | **BURLINGAME POLICE STATION**
1111 TROUSDALE
BURLINGAME CA | HIST TANK

Owner Name: CITY OF BURLINGAME
Owner Street: 5501 PRIMROSSE ROAD
Owner City: BURLINGAME
Owner State: CA
Owner Zip: 94010
No of Containers: 2
County: SAN MATEO
Facility State: CA
Facility Zip: 94010

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4 | 10 of 19 | N | 0.02 / 81.75 | 18.10 / -3 | **BURLINGAME POLICE STATION**
1111 TROUSDALE DRIVE
BURLINGAME CA 94010 | LUST

Global ID: T10000011134
Status: OPEN - SITE ASSESSMENT
Status Date: 12/4/2017
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.59513
Longitude: -122.38198

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No:
Local Case No: 660118
Begin Date: 8/7/2017
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: NO
Potential Media of Concern:
How Discovered Description: Pre-UST Removal Investigation
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:
Potential COC:
How Discovered: Site Assessment/Site Investigation
Stop Method:
Stop Description:
Case Worker: BG
File Location:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: RESPONSE
Date : 3/30/2021
Action: Site Assessment Report

Action Type: RESPONSE
Date : 1/31/2021
Action: Other Report / Document

Action Type: ENFORCEMENT
Date : 9/1/2020
Action: Staff Letter - #20200901

Action Type: ENFORCEMENT
Date : 9/1/2020
Action: Soil Management Plan - #20200901

Action Type: RESPONSE
Date : 7/8/2020
Action: Soil and Water Investigation Workplan - Regulator Responded

Action Type: ENFORCEMENT
Date : 4/8/2020
Action: Staff Letter - #20200408

Action Type: RESPONSE
Date : 8/15/2019
Action: Tank Removal Report / UST Sampling Report - Regulator Responded

Action Type: RESPONSE
Date : 7/2/2019
Action: Verbal Communication

Action Type: ENFORCEMENT
Date : 9/5/2018
Action: Staff Letter - #20180905

Action Type: RESPONSE
Date : 6/15/2018
Action: Preliminary Site Assessment Report - Regulator Responded

Action Type: ENFORCEMENT
Date : 2/15/2018
Action: Staff Letter - #20180215

Action Type: RESPONSE
Date : 2/13/2018
Action: Preliminary Site Assessment Workplan - Regulator Responded

Action Type: RESPONSE
Date : 1/5/2018
Action: Verbal Communication

Action Type: RESPONSE
Date : 12/14/2017
Action: Unauthorized Release Form

Action Type: ENFORCEMENT
Date : 12/14/2017
Action: Meeting - #20171214

Action Type: ENFORCEMENT
Date : 12/14/2017
Action: Staff Letter - #20171214

Action Type: ENFORCEMENT
Date : 12/5/2017
Action: Staff Letter - #20171205

Action Type: ENFORCEMENT
Date : 12/5/2017
Action: Notice of Responsibility - #20171205

Action Type: Other
Date : 10/5/2017
Action: Leak Reported

Action Type: RESPONSE
Date : 10/5/2017
Action: Preliminary Site Assessment Report

Action Type: Other
Date : 8/7/2017
Action: Leak Discovery

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Site Assessment
Status Date: 12/4/2017

Status: Open - Active
Status Date: 12/4/2017

Status: Open - Case Begin Date
Status Date: 8/7/2017

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: BURLINGAME POLICE STATION
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - SITE ASSESSMENT
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig:
CUF Amount Paid:
File Location:
Potential COC: NONE SPECIFIED
Facility Type:
Composting Method:
Address: 1111 TROUSDALE DRIVE
City: BURLINGAME
Zip: 94010
County: SAN MATEO
CUF Claim:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T10000011134
Cleanup Status Detail: OPEN - SITE ASSESSMENT AS OF 12/4/2017
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T10000011134&tabname=regulatoryhistory
Potential Media of Concern: NONE SPECIFIED
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 660118
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2)
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Open - Active
Date : 12/4/2017

Status: Open - Site Assessment
Date : 12/4/2017

Status: Open - Case Begin Date
Date : 8/7/2017

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Other Regulatory Actions
Action Date: 9/1/2020
Received Issue Date: 9/1/2020
Action: Soil Management Plan - #20200901
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011134&enforcement_id=6446318&temptable=ENFORCEMENT
Title Description Comments:

GPP conditional concurrence with site investigation workplan

Action Type: Other Regulatory Actions
Action Date: 9/1/2020
Received Issue Date: 9/1/2020
Action: Staff Letter - #20200901
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011134&enforcement_id=6446319&temptable=ENFORCEMENT
Title Description Comments:

LOP conditional concurrence with site investigation workplan

Action Type: Response Requested - Workplans
Action Date: 7/8/2020
Received Issue Date: 7/6/2020
Action: Soil and Water Investigation Workplan - Regulator Responded
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000011134&doc_id=6019432
Title Description Comments:

Additional site characterization workplan

Action Type: Other Regulatory Actions
Action Date: 4/8/2020
Received Issue Date: 4/8/2020
Action: Staff Letter - #20200408
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011134&enforcement_id=6431878&temptable=ENFORCEMENT
Title Description Comments:

LOP request for additional site characterization workplan

Action Type: Response Requested - Reports
Action Date: 8/15/2019
Received Issue Date: 1/27/2020
Action: Tank Removal Report / UST Sampling Report - Regulator Responded
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000011134&doc_id=5974783
Title Description Comments:

UST removal report

Action Type: Response Requested - Other
Action Date: 7/2/2019
Received Issue Date: 7/2/2019
Action: Verbal Communication
Doc Link:
Title Description Comments:

Jim Strandberg of Woodard & Curran called to discuss status of City's UST removal service procurement and project status

Action Type: Other Regulatory Actions
Action Date: 9/5/2018
Received Issue Date: 9/5/2018
Action: Staff Letter - #20180905
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?

global_id=T10000011134&enforcement_id=6368782&temptable=ENFORCEMENT

Title Description Comments:

LOP letter concurring with UST removal as next activity

Action Type: Response Requested - Reports
Action Date: 6/15/2018
Received Issue Date: 6/14/2018
Action: Preliminary Site Assessment Report - Regulator Responded
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000011134&doc_id=5957031
Title Description Comments:

Action Type: Other Regulatory Actions
Action Date: 2/15/2018
Received Issue Date: 2/15/2018
Action: Staff Letter - #20180215
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011134&enforcement_id=6348923&temptable=ENFORCEMENT
Title Description Comments:

LOP conditional concurrence with workplan

Action Type: Response Requested - Workplans
Action Date: 2/13/2018
Received Issue Date: 2/13/2018
Action: Preliminary Site Assessment Workplan - Regulator Responded
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000011134&doc_id=5956945
Title Description Comments:

Soil and Groundwater Investigation Work Plan

Action Type: Response Requested - Other
Action Date: 1/5/2018
Received Issue Date: 12/14/2017
Action: Verbal Communication
Doc Link:
Title Description Comments:

Call/email to schedule site opening meeting

Action Type: Other Regulatory Actions
Action Date: 12/14/2017
Received Issue Date: 12/14/2017
Action: Staff Letter - #20171214
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011134&enforcement_id=6343323&temptable=ENFORCEMENT
Title Description Comments:

LOP request for workplan

Action Type: Other Regulatory Actions
Action Date: 12/14/2017
Received Issue Date: 12/14/2017
Action: Meeting - #20171214
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011134&enforcement_id=6348733&temptable=ENFORCEMENT
Title Description Comments:

Opening site meeting

Action Type: Response Requested - Other
Action Date: 12/14/2017
Received Issue Date: 12/14/2017
Action: Unauthorized Release Form

Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000011134&doc_id=5950270
Title Description Comments:

Action Type: Other Regulatory Actions
Action Date: 12/5/2017
Received Issue Date: 12/5/2017
Action: Staff Letter - #20171205
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011134&enforcement_id=6342582&temptable=ENFORCEMENT
Title Description Comments:

Case Opening Letter, request meeting with RP

Action Type: Notices
Action Date: 12/5/2017
Received Issue Date: 12/5/2017
Action: Notice of Responsibility - #20171205
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011134&enforcement_id=6342598&temptable=ENFORCEMENT
Title Description Comments:

Notice of Responsibility

Action Type: Response Requested - Reports
Action Date: 10/5/2017
Received Issue Date: 10/5/2017
Action: Preliminary Site Assessment Report
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000011134&doc_id=5949624
Title Description Comments:

Pre-Design Field Investigation Report -UST Removal

Action Type: Response Requested - Reports
Action Date: 3/30/2021
Received Issue Date:
Action: Site Assessment Report
Doc Link:
Title Description Comments:

Site Assessment Report with results of direct-push assessment, monitoirng well installation/sampling, and soil gas probe installation/sampling

Action Type: Response Requested - Other
Action Date: *1/31/2021
Received Issue Date:
Action: Other Report / Document
Doc Link:
Title Description Comments:

Technical memorandum on results of direct-push assessment with proposed well locations

Action Type: Leak Action
Action Date: 10/5/2017
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 8/7/2017
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Enforcement - Other
Action Date:
Received Issue Date:
Action: Unknown
Doc Link:
Title Description Comments:

Action Type: Enforcement - Other
Action Date:
Received Issue Date:
Action: Unknown
Doc Link:
Title Description Comments:

LUST Sites from GeoTracker Search - Site Maps (as of Feb 27, 2021)

Title: SB-G11 (SB-G11)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7189297616/T10000011134.PDF
Size : 61 KB
Submitted By: JIM STRANDBERG (AUTH_RP)
Submitted: 6/14/2018

Title: SB-G12 (SB-G12)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7397900521/T10000011134.PDF
Size : 62 KB
Submitted By: JIM STRANDBERG (AUTH_RP)
Submitted: 6/14/2018

Title: SB-G8 (SB-G8)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9134179174/T10000011134.PDF
Size : 61 KB
Submitted By: JIM STRANDBERG (AUTH_RP)
Submitted: 6/14/2018

Title: SB-G6 (SB-G6)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7395538568/T10000011134.PDF
Size : 62 KB
Submitted By: JIM STRANDBERG (AUTH_RP)
Submitted: 6/14/2018

Title: SB-G10 (SB-G10)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3839273273/T10000011134.PDF
Size : 61 KB
Submitted By: JIM STRANDBERG (AUTH_RP)
Submitted: 6/14/2018

Title: SB-G5 (SB-G5)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7244339227/T10000011134.PDF
Size : 62 KB
Submitted By: JIM STRANDBERG (AUTH_RP)
Submitted: 6/14/2018

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/6028024494/T10000011134.PDF
Size : 854 KB
Submitted By: JIM STRANDBERG (AUTH_RP)
Submitted: 6/14/2018

Title: SB-G9 (SB-G9)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8552673578/T10000011134.PDF
Size : 61 KB
Submitted By: JIM STRANDBERG (AUTH_RP)
Submitted: 6/14/2018

Title: SB-G15 (SB-G15)

Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7297720551/T10000011134.PDF
Size : 61 KB
Submitted By: JIM STRANDBERG (AUTH_RP)
Submitted: 6/14/2018

Title: SB-G4 (SB-G4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4402670741/T10000011134.PDF
Size : 62 KB
Submitted By: JIM STRANDBERG (AUTH_RP)
Submitted: 6/14/2018

Title: SB-G13 (SB-G13)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1382867634/T10000011134.PDF
Size : 62 KB
Submitted By: JIM STRANDBERG (AUTH_RP)
Submitted: 6/14/2018

Title: SB-G7 (SB-G7)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5392730951/T10000011134.PDF
Size : 62 KB
Submitted By: JIM STRANDBERG (AUTH_RP)
Submitted: 6/14/2018

Title: SB-G14 (SB-G14)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5286163568/T10000011134.PDF
Size : 61 KB
Submitted By: JIM STRANDBERG (AUTH_RP)
Submitted: 6/14/2018

LUST Sites from GeoTracker Search - Documents (as of Feb 27, 2021)

Document Type: Site Documents
Document Date: 9/1/2020
Type: SOIL MANAGEMENT PLAN
Size :
Submitted By: BRIAN GWINN (REGULATOR)
Submitted:
Title: GPP CONDITIONAL CONCURRENCE WITH SITE INVESTIGATION WORKPLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011134&enforcement_id=6446318

Document Type: Site Documents
Document Date: 9/1/2020
Type: STAFF LETTER
Size :
Submitted By: BRIAN GWINN (REGULATOR)
Submitted:
Title: LOP CONDITIONAL CONCURRENCE WITH SITE INVESTIGATION WORKPLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011134&enforcement_id=6446319

Document Type: Site Documents
Document Date: 7/2/2020
Type: SITE INVESTIGATION WORKPLAN
Size : 3,400 KB
Submitted By: JIM STRANDBERG (AUTH_RP)
Submitted:
Title: SITE INVESTIGATION WORK PLAN, 1111 TROUSDALE DRIVE, BURLINGAME, CA
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6600423991/T10000011134.PDF

Document Type: Site Documents
Document Date: 4/8/2020
Type: STAFF LETTER
Size :
Submitted By: BRIAN GWINN (REGULATOR)
Submitted:
Title: LOP REQUEST FOR ADDITIONAL SITE CHARACTERIZATION WORKPLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011134&enforcement_id=6431878

Document Type: Site Documents
Document Date: 1/24/2020
Type: TANK REMOVAL REPORT / UST SAMPLING REPORT
Size : 9,119 KB
Submitted By: JIM STRANDBERG (AUTH_RP)
Submitted:
Title: UST REMOVAL AND SOIL EXCAVATION REPORT, 1111 TROUSDALE DRIVE, BURLINGAME, CA
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9150213420/T10000011134.PDF

Document Type: Site Documents
Document Date: 9/5/2018
Type: STAFF LETTER
Size :
Submitted By: BRIAN GWINN (REGULATOR)
Submitted:
Title: LOP LETTER CONCURRING WITH UST REMOVAL AS NEXT ACTIVITY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011134&enforcement_id=6368782

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Document Type: Site Documents | **Size :** 9,194 KB
Document Date: 6/14/2018 | **Submitted By:** JIM STRANDBERG (AUTH_RP)
Type: SITE INVESTIGATION | **Submitted:**
Title: SOIL AND GROUNDWATER INVESTIGATION REPORT, BURLINGAME POLICE STATION, 1111 TROUSDALE DRIVE, BURLINGAME, CA
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4746514379/T10000011134.PDF

Document Type: Site Documents | **Size :**
Document Date: 2/15/2018 | **Submitted By:** BRIAN GWINN (REGULATOR)
Type: STAFF LETTER | **Submitted:**
Title: LOP CONDITIONAL CONCURRENCE WITH WORKPLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011134&enforcement_id=6348923

Document Type: Site Documents | **Size :**
Document Date: 2/13/2018 | **Submitted By:** BRIAN GWINN (REGULATOR)
Type: PRELIMINARY SITE ASSESSMENT WORKPLAN | **Submitted:**
Title: SOIL AND GROUNDWATER INVESTIGATION WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011134&document_id=5956945

Document Type: Site Documents | **Size :**
Document Date: 12/14/2017 | **Submitted By:** BRIAN GWINN (REGULATOR)
Type: MEETING | **Submitted:**
Title: OPENING SITE MEETING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011134&enforcement_id=6348733

Document Type: Site Documents | **Size :**
Document Date: 12/14/2017 | **Submitted By:** BRIAN GWINN (REGULATOR)
Type: UNAUTHORIZED RELEASE FORM | **Submitted:**
Title: UNKNOWN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011134&document_id=5950270

Document Type: Site Documents | **Size :**
Document Date: 12/14/2017 | **Submitted By:** BRIAN GWINN (REGULATOR)
Type: STAFF LETTER | **Submitted:**
Title: LOP REQUEST FOR WORKPLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011134&enforcement_id=6343323

Document Type: Site Documents | **Size :**
Document Date: 12/5/2017 | **Submitted By:** BRIAN GWINN (REGULATOR)
Type: NOTICE OF RESPONSIBILITY | **Submitted:**
Title: NOTICE OF RESPONSIBILITY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011134&enforcement_id=6342598

Document Type: Site Documents | **Size :**
Document Date: 12/5/2017 | **Submitted By:** BRIAN GWINN (REGULATOR)
Type: STAFF LETTER | **Submitted:**
Title: CASE OPENING LETTER, REQUEST MEETING WITH RP
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011134&enforcement_id=6342582

Document Type: Site Documents | **Size :**
Document Date: 10/5/2017 | **Submitted By:** BRIAN GWINN (REGULATOR)
Type: PRELIMINARY SITE ASSESSMENT REPORT | **Submitted:**
Title: PRE-DESIGN FIELD INVESTIGATION REPORT -UST REMOVAL
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011134&document_id=5949624

4	11 of 19	N	0.02 / 81.75	18.10 / -3	BURLINGAME POLICE STATION 1111 TROUSDALE AVE BURLINGAME CA	LOP SANMATEO

Case No: 660118
APN: 025161130
Case Type: O- Other Groundwater affected (uses other than drinking water)
Global ID:

LUST Status

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Status:	3B- Preliminary Assessment Underway					
4	12 of 19	N	0.02 / 81.75	18.10 / -3	BURLINGAME PD-DISPOSAL PROGRAM 1111 TROUSDALE BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0033578

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG COMMON STORAGE AREA FAC (1-199 LB/MO)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG WITH TRANSPORT

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	13 of 19	N	0.02 / 81.75	18.10 / -3	BURLINGAME POLICE STATION 1111 TROUSDALE DR BURLINGAME CA 94010	EMISSIONS

2017 Criteria Data

Facility ID:	110750	**CERR Code:**	
Facility SIC Code:	5411	**TOGT:**	.00618984
CO:	41	**ROGT:**	.00618984
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	SM	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2017 Toxic Data

Facility ID:	110750	**COID:**	SM
Facility SIC Code:	5411	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2018 Criteria Data

Facility ID:	110750	**CERR Code:**	
Facility SIC Code:	9229	**TOGT:**	.00618984
CO:	41	**ROGT:**	.00618984
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	SM	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2018 Toxic Data

Facility ID:	110750	**COID:**	SM

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility SIC Code:	9229	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

4	14 of 19	N	0.02 / 81.75	18.10 / -3	CITY OF BURLINGAME PUBLIC WORKS 1111 TROUSDALE DRIVE BURLINGAME CA 94010	RCRA NON GEN

EPA Handler ID:	CAC003024328
Gen Status Universe:	No Report
Contact Name:	KEVIN OKADA
Contact Address:	501 PRIMROSE ROAD , , BURLINGAME , CA, 94010 ,
Contact Phone No and Ext:	650-558-7230
Contact Email:	KOKADA@BURLINGAME.ORG
Contact Country:	
County Name:	SAN MATEO
EPA Region:	09
Land Type:	
Receive Date:	20190716
Location Latitude:	37.595124
Location Longitude:	-122.381991

Violation/Evaluation Summary

Note:	NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190716
Handler Name:	CITY OF BURLINGAME PUBLIC WORKS
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Type:	Other	**Street 1:**	501 PRIMROSE ROAD
Name:	KEVIN OKADA	**Street 2:**	
Date Became Current:		**City:**	BURLINGAME
Date Ended Current:		**State:**	CA
Phone:	650-558-7230	**Country:**	
Source Type:	Implementer	**Zip Code:**	94010
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	501 PRIMROSE ROAD
Name:	CITY OF BURLINGAME	**Street 2:**	
Date Became Current:		**City:**	BURLINGAME
Date Ended Current:		**State:**	CA
Phone:	650-558-7230	**Country:**	
Source Type:	Implementer	**Zip Code:**	94010

4	***15 of 19***	***N***	***0.02 / 81.75***	***18.10 / -3***	***CITY OF BURLINGAME POLICE DEPT 1111 TROUSDALE DR BURLINGAME CA 94010***	***CERS HAZ***

Site ID:	14113
Latitude:	37.595039
Longitude:	-122.381900
County:	

Regulated Programs

EI ID:	10064290	**EI Description:**	Chemical Storage Facilities

Violations

Violation Date:	11/05/2015	**Violation Source:**	CERS
Violation Program:	HMRRP	**Violation Division:**	San Mateo County Environmental Health
Citation:	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)		
Violation Notes:			

Returned to compliance on 09/14/2017. revise the owner/operator information to reflect the correct personnel. Don Darnell is not the secondary emergency contact anymore. Any time there is a change in the HMBP you have 30 days to update the information in the electronic submittal.

Violation Description:

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violations

Violation Date:	11/05/2015	**Violation Source:**	CERS
Violation Program:	UST	**Violation Division:**	San Mateo County Environmental Health
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)		
Violation Notes:			

Returned to compliance on 03/30/2016.

Violation Description:

Failure to submit, obtain approval, or maintain a complete/accurate response plan.

Violations

Violation Date:	10/31/2017	**Violation Source:**	CERS
Violation Program:	UST	**Violation Division:**	San Mateo County Environmental Health
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)		
Violation Notes:			

Returned to compliance on 07/19/2019. OBSERVATION: Expiration dates for designated operators are expired. REQUIRED ACTION: Update a current form.

Violation Description:

Failure to notify the CUPA of the designated operator (DO) identification and/or change of the DO within 30 days.

Violations

Violation Date: 10/31/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Notes:

Returned to compliance on 07/19/2019. OBSERVED: The monitoring plan in the Portal is not accurate. A separate plan is needed for each UST that reflects the monitoring for each UST system. Both plans reflect a double- walled tank, when both are single- walled. REQUIRED ACTION: Submit an accurate plan for each tank to the electronic portal.

Violation Description:

Failure to have a UST Monitoring Plan available on site.

Violations

Violation Date: 11/05/2015 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Notes:

Returned to compliance on 03/30/2016.

Violation Description:

Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violations

Violation Date: 10/31/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.7 25290.1(c)(3), 25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Notes:

Returned to compliance on 10/31/2017. OBSERVATION: Water observed in the diesel fuel piping sump. REQUIRED ACTION: Removed water during inspection. Liquids have been observed in this sump in the past. Ensure that the sump is liquid tight.

Violation Description:

Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003 and before July 1, 2004, or on or after July 1, 2004.

Violations

Violation Date: 11/05/2015 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Notes:

Returned to compliance on 03/30/2016. A separate monitoring and response plan may need to be uploaded for the unleaded gasoline UST and the diesel fuel UST. The historical UST tank pages indicate that the USTs are monitored monthly using Automatic Tank Gauging at 0.1 gallons per hour. Also, annual tank/line integrity testing is needed if passing monthly/annual tightness tests are not achieved (0.2 gallons per hour/0.1 gallons per hour,

respectively. Recommend designating alternate fueling location for four-hour testing so that you can ensure passing results.

Violation Description:

Failure to maintain on site an approved monitoring plan.

Violations

Violation Date: 10/29/2018 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2665(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665(b)
Violation Notes:

Returned to compliance on 10/15/2019. OBSERVED: Records demonstrating that the new overfill testing requirements have been satisfied were not available. REQUIRED ACTION: Demonstrate that the overfill prevention device has been tested in accordance with requirements that went into effect on October 1, 2018.

Violation Description:

"Failure to submit a copy of the overfill prevention equipment inspection results on the "Overfill Prevention Equipment Inspection Report Form" to the UPA within 30 days after the inspection.
"

Violations

Violation Date: 10/31/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Notes:

Returned to compliance on 07/19/2019. OBSERVATION: Numerous errors on Tank Forms. Listed as double-walled tanks, steel piping for the unleaded, single- wall for the diesel flex piping, flapper valves, etc. REQUIRED ACTION: This is the third request to correct the paperwork. Revise the forms to be accurate and correct.

Violation Description:

Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.

Violations

Violation Date: 11/04/2016 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Notes:

Returned to compliance on 11/21/2016. Please upload the current financial responsibility documents.

Violation Description:

Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violations

Violation Date: 11/05/2015 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Notes:

Returned to compliance on 03/30/2016.

Violation Description:

Failure to submit, obtain approval, or maintain a complete/accurate plot plan.

Violations

Violation Date: 10/29/2018 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Notes:

Returned to compliance on 10/15/2019. OBSERVED: Records demonstrating that the new overfill testing requirements have been satisfied were not available. REQUIRED ACTION: Demonstrate that the overfill prevention device has been tested in accordance with requirements that went into effect on October 1, 2018.

Violation Description:

Failure to comply with one or more of the following overfill prevention equipment requirements:
Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or
Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or
Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or
Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.

Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018.

For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter.

For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter.

Inspected within 30 days after a repair to the overfill prevention equipment.

Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer.

Inspected by a certified UST service technician.

Maintain records of overfill prevention equipment inspection for 36 months.

Violations

Violation Date: 11/05/2015 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666
Violation Notes:

Returned to compliance on 03/30/2016. fittings in the diesel UST piping sump appear to be weeping/leakiing. Evaluate/verify source of diesel fuel and repair/tighten.

Violation Description:

Failure to maintain entry fitting such that it properly seals to the containment.

Violations

Violation Date: 11/04/2016 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Notes:

Returned to compliance on 11/21/2016. Revise the UST form in the electronic portal to reflect fiberglass piping for the unleaded UST and flex piping for the diesel UST. The forms currently indicate steel primary piping.

Violation Description:

Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.

Violations

Violation Date: 10/31/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)
Violation Notes:

Returned to compliance on 07/19/2019. OBSERVATION: No plot plan observed with the electronic submittals. REQUIRED ACTION: Upload the plot plan for the UST monitoring system.

Violation Description:

Failure to submit or update a plot plan.

Violations

Violation Date: 11/05/2015 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Notes:

Returned to compliance on 03/30/2016.

Violation Description:

Failure to submit statement of UST compliance and/or Designated Operator certification.

Violations

Violation Date: 10/31/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Notes:

Returned to compliance on 12/04/2019. OBSERVATION: While the electronic forms indicate that the USTs have flapper valves (over fill prevention within the drop tubes), none was observed. REQUIRED ACTION: Ball floats are not allowed with suction systems. Obtain a permit to install flapper valves on each tank. See https://www.waterboards.ca.gov/ust//leak_prevention/lgs/docs/150_2.pdf for guidance.

Violation Description:

Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills.

Violations

Violation Date: 11/05/2015 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Notes:

Returned to compliance on 03/30/2016.

Violation Description:

Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.

Violations

Violation Date: 10/29/2018 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health

Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Notes:

Returned to compliance on 10/15/2019. OBSERVED: Spill containment buckets do not hold 5 gallons of liquid. REQUIRED ACTION: Submit a permit application to break concrete and replace with 5- gallon buckets.

Violation Description:

"Failure to meet one or more of the following requirements:

Install or maintain a liquid-tight spill container.

Have a minimum capacity of five gallons.

Have a functional drain valve or other method for the removal of liquid from the spill container.

Be resistant to galvanic corrosion.

Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container.

Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer.

Tested by a certified UST service technician.

Maintain records of spill containment testing for 36 months.

"

Evaluations

Eval Date: 03/06/2020
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 11/15/2013
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 03/24/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

extension on violations; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/20/2018
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health

Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 10/29/2018
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 11/05/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

The UST facility page and tank pages (also called Forms A and B), the UST monitoring and response plan (a separate monitoring plan may be required for each of the unleaded and diesel tanks), financial responsibility forms, and listed designated operator statement need to be entered into the electronic portal at http://ehesubmit.smchealth.org/. This information was requested last year and hasn't been entered yet. If you have trouble with the electronic submittal process, Environmental Health can assist.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/15/2013
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 01/16/2020
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 02/14/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 11/13/2020
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 09/02/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 11/05/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 11/13/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 10/29/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Installed 1983 (emergency generator tank appears to be installed at a later time) 12,000- gallon unleaded single-walled fiberglass UST, double-walled fiberglass piping (vehicle fueling) 4,000- gallon diesel fuel singe-walled fiberglass UST, double- walled flex piping (emergency generator supply) SINGLE- WALLED USTS MUST BE REMOVED BY DECEMBER 31, 2025. Go to https://www.waterboards.ca.gov/ust/leak_prevention/lgs/docs/lg171.pdf for more information.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/31/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 11/13/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 01/03/2020
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health

Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 01/07/2021
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 10/31/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Installed 1983 (emergency generator tank appears to be installed at a later time) 12,000- gallon unleaded single-walled fiberglass UST, double-walled fiberglass piping (vehicle fueling) 4,000- gallon diesel fuel singe-walled fiberglass UST, double- walled flex piping (emergency generator supply) SINGLE- WALLED USTS MUST BE REMOVED BY DECEMBER 31, 2025. Go to https://www.waterboards.ca.gov/ust/leak_prevention/lgs/docs/lg171.pdf for more information. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/04/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

12,000- gallon Regular Unleaded, Single- walled fiberglass 4,000- gallon Diesel Single- walled fiberglass; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/05/2018
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 501 PRIMROSE RD
City: BURLINGAME
State: CA
Country:
Zip Code: 94010
Phone:

Affil Type Desc: Environmental Contact
Entity Name: Jennifer Lee
Entity Title:
Address: 1361 N Carolan Ave

City:	Burlingame
State:	CA
Country:	
Zip Code:	94010
Phone:	

Affil Type Desc:	Legal Owner
Entity Name:	City of Burlingame
Entity Title:	
Address:	501 PRIMROSE RD
City:	BURLINGAME
State:	CA
Country:	United States
Zip Code:	94010
Phone:	(650) 558-7670

Affil Type Desc:	Operator
Entity Name:	City of Burlingame
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(650) 558-7670

Affil Type Desc:	Document Preparer
Entity Name:	DKF Solutions
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	CUPA District
Entity Name:	San Mateo County Environmental Health
Entity Title:	
Address:	2000 Alameda de las Pulgas, Suite 100
City:	San Mateo
State:	CA
Country:	
Zip Code:	94403
Phone:	(650) 372-6200

Affil Type Desc:	Identification Signer
Entity Name:	Johnson Woo
Entity Title:	Facilities and Fleet Division Manager
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Parent Corporation
Entity Name:	BURLINGAME POLICE DEPT
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Coordinates

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Env Int Type Code:	HMBP	**Longitude:**	-122.381890
Program ID:	10064290	**Coord Name:**	
Latitude:	37.595030	**Ref Point Type Desc:**	Unknown

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4 | **16 of 19** | **N** | **0.02 / 81.75** | **18.10 / -3** | **BURLINGAME POLICE DEPT**
1111 TROUSDALE DR
BURLINGAME CA | **UST SWEEPS**

C C:	A41-000-660088	**D Filename:**	SITE14A
BOE:		**Page No:**	104
Comp:	660088	**County:**	SAN MATEO
Status:	ACTIVE	**State :**	CA
No of Tanks:	2	**Zip:**	94010
Jurisdict:	SAN MATEO COUNTY	**Latitude:**	37.595383
Agency:	ENVIRONMENTAL HEALTH	**Longitude:**	-122.382168
Phone:		**Georesult:**	S5HPNTSCZA

Tank Details

Tank ID:	000001	**S Contain:**	
O Tank ID:	UNK	**Stg:**	P
SWRCB No:	41-000-660088-000001	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	03-24-94	**Content:**	REG UNLEADED
Capac:	12000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK14A

Tank Details

Tank ID:	000002	**S Contain:**	
O Tank ID:	UNK	**Stg:**	P
SWRCB No:	41-000-660088-000002	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	03-24-94	**Content:**	DIESEL
Capac:	4000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK14A

---

4 | **17 of 19** | **N** | **0.02 / 81.75** | **18.10 / -3** | **BURLINGAME POLICE DEPARTMENT**
1111 TROUSDALE DR
BURLINGAME CA 94010 | **C&D**
DEBRIS RECY

County:	SAN MATEO
Activity Type:	MEDICATION COLLECTION
Phone No:	(650) 777-4100

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4 | **18 of 19** | **N** | **0.02 / 81.75** | **18.10 / -3** | **BURLINGAME PD-DISPOSAL PROGRAM**
1111 TROUSDALE DR
BURLINGAME CA 94010 | **MED**
WST SANMATEO

Facility ID:	FA0033578
Record ID:	PR0052116

Details

Status:	INACTIVE
Program Element:	SQG WITH TRANSPORT
Curr Insp:	
Strt No:	1111

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Strt Addr:		TROUSDALE				
4	19 of 19	N	0.02 / 81.75	18.10 / -3	BURLINGAME PD-DISPOSAL PROGRAM 1111 TROUSDALE BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0033578
Record ID: PR0052115

Details

Status: INACTIVE
Program Element: SQG COMMON STORAGE AREA FAC (1-199 LB/MO)
Curr Insp: 2/27/2016
Strt No: 1111
Strt Addr: TROUSDALE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	1 of 12	NW	0.02 / 104.34	19.55 / -2	SAN MATEO MEDICAL CENTER BURLI 1100 TROUSDALE DRIVE BURLINGAME CA 94010-3207	FINDS/FRS

Registry ID: 110038056830
FIPS Code: 06081
HUC Code: 18050004
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 17-FEB-09
Update Date: 01-JUN-17
Interest Types: AIR EMISSIONS CLASSIFICATION UNKNOWN
SIC Codes:
SIC Code Descriptions:
NAICS Codes: 623110
NAICS Code Descriptions: NURSING CARE FACILITIES.
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 12
Census Block Code: 060816050001001
EPA Region Code: 09
County Name: SAN MATEO
US/Mexico Border Ind:
Latitude: 37.59539
Longitude: -122.38228
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110038056830
Program Acronyms:

EIS:9976211

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	2 of 12	NW	0.02 / 104.34	19.55 / -2	BURLINGAME LONG TERM CARE 1100 TROUSDALE DR BURLINGAME CA 94010	HAZNET

SIC Code: 9999 **Mailing City:** BURLINGAME

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

NAICS Code:	99999	**Mailing State:**	CA
EPA ID:	CAC002691169	**Mailing Zip:**	94010
Create Date:	4/18/2012	**Region Code:**	2
Fac Act Ind:	No	**Owner Name:**	BURLINGAME LONG TERM CARE
Inact Date:	10/16/2012	**Owner Addr 1:**	1818 GILBRETH RD
County Code:	41	**Owner Addr 2:**	
County Name:	San Mateo	**Owner City:**	BURLINGAME
Mail Name:		**Owner State:**	CA
Mailing Addr 1:	1100 TROUSDALE DR	**Owner Zip:**	940101225
Mailing Addr 2:		**Owner Phone:**	6506787248
Owner Fax:			

Contact Information

--	--
Contact Name:	BRUNO BORELLO
Street Address 1:	1818 GILBRETH RD
Street Address 2:	
City:	BURLINGAME
State:	CA
Zip:	940101225
Phone:	6506787248
--	--
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Tanner Information

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Generator EPA ID:	CAC002691169
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAD981382732
TSD County Code:	01
TSD County:	Alameda
State Waste Code:	151
State Waste Code Desc.:	Asbestos containing waste
Method Code:	H132
Method Description:	LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
Tons:	3.2
Year:	2012
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	3 of 12	NW	0.02 / 104.34	19.55 / -2	CARE WEST BURLINGAME 1100 TROUSDALE BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0013044

Detail(s)

Program Category:	STORMWATER
Billing Status:	Inactive, non-billable
Program Element:	STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Program Category:	BUSINESS PLAN PROGRAM
Billing Status:	Inactive, non-billable
Program Element:	STORES HAZ MAT <1,199GAL,9,999LB,4,799CF

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	4 of 12	NW	0.02 / 104.34	19.55 / -2	SAN MATEO MEDICAL CENTER BURLI 1100 TROUSDALE DRIVE BURLINGAME CA 94010	EMISSIONS

2005 Criteria Data

Facility ID:	16521	**CERR Code:**	

Facility SIC Code:	8051	**TOGT:**	.002
CO:	41	**ROGT:**	.0016734
Air Basin:	SF	**COT:**	.005
District:	BA	**NOXT:**	.024
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	.002
CHAPIS:		**PM10T:**	.001952

2005 Toxic Data

Facility ID:	16521	**COID:**	SM
Facility SIC Code:	8051	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	16521	**CERR Code:**	
Facility SIC Code:	8051	**TOGT:**	.002
CO:	41	**ROGT:**	.0016734
Air Basin:	SF	**COT:**	.005
District:	BA	**NOXT:**	.024
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	.002
CHAPIS:		**PM10T:**	.001952

2006 Toxic Data

Facility ID:	16521	**COID:**	SM
Facility SIC Code:	8051	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	16521	**CERR Code:**	
Facility SIC Code:	8051	**TOGT:**	.001
CO:	41	**ROGT:**	.0008367
Air Basin:	SF	**COT:**	.002
District:	BA	**NOXT:**	.019
COID:	SM	**SOXT:**	.001
DISN:	BAY AREA AQMD	**PMT:**	.001
CHAPIS:		**PM10T:**	.000976

2007 Toxic Data

Facility ID:	16521	**COID:**	SM
Facility SIC Code:	8051	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			

Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2008 Criteria Data

Facility ID:	16521	***CERR Code:***	
Facility SIC Code:	8051	***TOGT:***	.001
CO:	41	***ROGT:***	.0008367
Air Basin:	SF	***COT:***	.002
District:	BA	***NOXT:***	.019
COID:	SM	***SOXT:***	.001
DISN:	BAY AREA AQMD	***PMT:***	.001
CHAPIS:		***PM10T:***	.000976

2008 Toxic Data

Facility ID:	16521	***COID:***	SM
Facility SIC Code:	8051	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	16521	***CERR Code:***	
Facility SIC Code:	8051	***TOGT:***	.002
CO:	41	***ROGT:***	.0016734
Air Basin:	SF	***COT:***	.003
District:	BA	***NOXT:***	.027
COID:	SM	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	.001
CHAPIS:		***PM10T:***	.000976

2009 Toxic Data

Facility ID:	16521	***COID:***	SM
Facility SIC Code:	8051	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	16521	***COID:***	SM
Facility SIC Code:	8051	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2011 Criteria Data

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID:	16521	**CERR Code:**	
Facility SIC Code:	8051	**TOGT:**	0
CO:	41	**ROGT:**	0
Air Basin:	SF	**COT:**	.001
District:	BA	**NOXT:**	.006
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2011 Toxic Data

Facility ID:	16521	**COID:**	SM
Facility SIC Code:	8051	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2012 Criteria Data

Facility ID:	16521	**CERR Code:**	
Facility SIC Code:	8051	**TOGT:**	0
CO:	41	**ROGT:**	0
Air Basin:	SF	**COT:**	.001
District:	BA	**NOXT:**	.006
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2012 Toxic Data

Facility ID:	16521	**COID:**	SM
Facility SIC Code:	8051	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

5	***5 of 12***	***NW***	***0.02 / 104.34***	***19.55 / -2***	***BURLINGAME LONG TERM CARE CENTER*** ***1100 TROUSDALE DRIVE*** ***BURLINGAME CA 94010***	***EMISSIONS***

2014 Criteria Data

Facility ID:	22057	**CERR Code:**	
Facility SIC Code:	8051	**TOGT:**	.000920642
CO:	41	**ROGT:**	
Air Basin:	SF	**COT:**	.001709199
District:	BA	**NOXT:**	.01598282
COID:	SM	**SOXT:**	.000019575
DISN:	BAY AREA AQMD	**PMT:**	.000537171
CHAPIS:		**PM10T:**	.000515684

2014 Toxic Data

Facility ID:	22057	***COID:***	SM
Facility SIC Code:	8051	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2015 Criteria Data

Facility ID:	22057	***CERR Code:***	
Facility SIC Code:	8051	***TOGT:***	.000920642
CO:	41	***ROGT:***	.000840356
Air Basin:	SF	***COT:***	.001709199
District:	BA	***NOXT:***	.01598282
COID:	SM	***SOXT:***	.000019575
DISN:	BAY AREA AQMD	***PMT:***	.000537171
CHAPIS:		***PM10T:***	.000515684

2015 Toxic Data

Facility ID:	22057	***COID:***	SM
Facility SIC Code:	8051	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Criteria Data

Facility ID:	22057	***CERR CODE:***	
Facility SIC Code:	8051	***TOGT:***	.000286422
CO:	41	***ROGT:***	.000251621727
Air Basin:	SF	***COT:***	.000531751
District:	BA	***NOXT:***	.004972433
COID:	SM	***SOXT:***	.00000609
DISN:	BAY AREA AQMD	***PMT:***	.00016712
CHAPIS:		***PM10T:***	.000160435

2016 Toxic Data

Facility ID:	22057	***TS:***	
Facility SIC Code:	8051	***HRA:***	
CERR CODE:		***CH Index:***	
COID:	SM	***AH Index:***	
CO:	41	***Air Basin:***	SF
DISN:	BAY AREA AQMD	***District:***	BA
CHAPIS:			

2017 Criteria Data

Facility ID:	22057	***CERR Code:***	
Facility SIC Code:	8051	***TOGT:***	.000286422
CO:	41	***ROGT:***	.000251621727
Air Basin:	SF	***COT:***	.000531751
District:	BA	***NOXT:***	.004972433

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

COID:	SM	**SOXT:**	.00000609
DISN:	BAY AREA AQMD	**PMT:**	.00016712
CHAPIS:		**PM10T:**	.000160435

2017 Toxic Data

Facility ID:	22057	**COID:**	SM
Facility SIC Code:	8051	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2018 Criteria Data

Facility ID:	22057	**CERR Code:**	
Facility SIC Code:	8051	**TOGT:**	.000286612
CO:	41	**ROGT:**	.000251788642
Air Basin:	SF	**COT:**	.000532103
District:	BA	**NOXT:**	.004975733
COID:	SM	**SOXT:**	.000006094
DISN:	BAY AREA AQMD	**PMT:**	.000167231
CHAPIS:		**PM10T:**	.000160541

2018 Toxic Data

Facility ID:	22057	**COID:**	SM
Facility SIC Code:	8051	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	6 of 12	NW	0.02 / 104.34	19.55 / -2	**BURLINGAME LONG TERM CARE CENT** **1100 TROUSDALE DRIVE** **BURLINGAME CA 94010**	EMISSIONS

2013 Criteria Data

Facility ID:	22057	**CERR Code:**	
Facility SIC Code:	8051	**TOGT:**	.001
CO:	41	**ROGT:**	.0008367
Air Basin:	SF	**COT:**	.002
District:	BA	**NOXT:**	.016
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	.001
CHAPIS:		**PM10T:**	.001

2013 Toxic Data

Facility ID:	22057	**COID:**	SM
Facility SIC Code:	8051	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

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5 | **7 of 12** | **NW** | **0.02 / 104.34** | **19.55 / -2** | **BURLINGAME SKILLED NURSING**
1100 TROUSDALE
BURLINGAME CA 94010 | **CUPA SANMATEO**

Facility ID: FA0031289

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Active, billable
Program Element: SQG HEALTH FACILITY/SNF (1-199 LB/MO)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

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5 | **8 of 12** | **NW** | **0.02 / 104.34** | **19.55 / -2** | **BURLINGAME SENIOR CARE LLC**
1100 TROUSDALE
BURLINGAME CA 94010 | **CUPA SANMATEO**

Facility ID: FA0001492

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: LQG OFF-SITE TREATMENT >200 LB/MO

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5 | **9 of 12** | **NW** | **0.02 / 104.34** | **19.55 / -2** | **BURLINGAME LONG TERM CARE CENTER**
1100 TROUSDALE DRIVE
BURLINGAME CA 94010 | **FINDS/FRS**

Registry ID: 110070523297
FIPS Code: 06081
HUC Code: 18050004
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 04-MAR-19
Update Date:
Interest Types: AIR EMISSIONS CLASSIFICATION UNKNOWN
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: EIS
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 12
Census Block Code: 060816050001001
EPA Region Code: 09
County Name: SAN MATEO
US/Mexico Border Ind:
Latitude: 37.595438
Longitude: -122.382391

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070523297
Program Acronyms:

EIS:18590411

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	10 of 12	NW	0.02 / 104.34	19.55 / -2	BURLINGAME LONG TERM CARE CENTER 1100 TROUSDALE BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0066548

Detail(s)

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Active, billable
Program Element: STORES MV FUELS OR WASTE ONLY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	11 of 12	NW	0.02 / 104.34	19.55 / -2	BURLINGAME SKILLED NURSING 1100 TROUSDALE BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0031289
Record ID: PR0051675

Details

Status: ACTIVE
Program Element: SQG HEALTH FACILITY/SNF (1-199 LB/MO)
Curr Insp:
Strt No: 1100
Strt Addr: TROUSDALE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	12 of 12	NW	0.02 / 104.34	19.55 / -2	BURLINGAME SENIOR CARE LLC 1100 TROUSDALE BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0001492
Record ID: PR0010481

Details

Status: INACTIVE
Program Element: LQG OFF-SITE TREATMENT >200 LB/MO
Curr Insp: 4/22/2003
Strt No: 1100
Strt Addr: TROUSDALE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	1 of 11	SSW	0.03 / 150.66	28.56 / 7	MILLS PENINSULA MEDICAL CENTER 1783 EL CAMINO REAL BURLINGAME CA	LOP SANMATEO

Case No: 660090
APN: 025123100

Case Type: O- Other Groundwater affected (uses other than drinking water)
Global ID: T0608192783

LUST Status

Status: 9- Case Closed

---

6 **2 of 11** **SSW** **0.03 / 150.66** **28.56 / 7** **MILLS PENINSULA MEDICAL CENTER**
1783 EL CAMINO REAL
BURLINGAME CA 94010 **LUST**

Global ID: T0608192783
Status: COMPLETED - CASE CLOSED
Status Date: 9/7/2000
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.591499
Longitude: -122.383781

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41-1249
Local Case No: 660090
Begin Date: 2/4/2000
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: NO
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:
Potential COC: Diesel
How Discovered: Other Means
Stop Method: Other Means
Stop Description:
Case Worker: BG
File Location: Local Agency

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 2/4/2000
Action: Notice of Responsibility - #1

Action Type: Other
Date : 12/16/1999
Action: Leak Reported

Action Type: Other
Date : 12/15/1999
Action: Leak Discovery

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone No:

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 9/7/2000

Status: Open - Case Begin Date
Status Date: 2/4/2000

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name:	MILLS PENINSULA MEDICAL CENTER	***Potential COC:***	DIESEL
Site Facility Type:	LUST CLEANUP SITE	***Facility Type:***	
Cleanup Status:	COMPLETED - CASE CLOSED	***Composting Method:***	
Project Status:		***Address:***	1783 EL CAMINO REAL
WDR Place Type:		***City:***	BURLINGAME
WDR File:		***Zip:***	94010
WDR Order:		***County:***	SAN MATEO
CUF Priority Assig:		***CUF Claim:***	
CUF Amount Paid:			

File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608192783
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 9/7/2000
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608192783&tabname=regulatoryhistory
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 660090
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-1249
CASEWORKER: Regional Water Board
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 9/7/2000

Status: Open - Case Begin Date
Date : 2/4/2000

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Notices
Action Date: 2/4/2000
Received Issue Date: 2/4/2000
Action: Notice of Responsibility - #1
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 12/16/1999
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action Type: Leak Action
Action Date: 12/15/1999
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

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6 | **3 of 11** | **SSW** | **0.03 / 150.66** | **28.56 / 7** | **PENINSULA HOSPITAL AND MEDICAL**
1783 EL CAMINO REAL
BURLINGAME CA 94010 | **HHSS**

County:
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002c16b.pdf

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6 | **4 of 11** | **SSW** | **0.03 / 150.66** | **28.56 / 7** | **PENINSULA HOSPITAL & MED CTR**
1783 EL CAMINO REAL
BURLINGAME CA 94010 | **UST**

Facility ID: 41-000-017983
CERS ID: 10066339
County: San Mateo
Latitude: 37.593706
Longitude: -122.382451
Permitting Agency: San Mateo County Environmental Health
Note: Information related to facilities can be searched on Geo Tracker Website: https://geotracker.waterboards.ca.gov/search
Site Facility Type: PERMITTED UNDERGROUND STORAGE TANK (UST)

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6 | **5 of 11** | **SSW** | **0.03 / 150.66** | **28.56 / 7** | **MILLS-PENINSULA MEDICAL CENTER**
1783 EL CAMINO REAL
BURLINGAME CA 94010 | **EMISSIONS**

1996 Toxic Data

Facility ID: 2227
Facility SIC Code: 8062
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

1997 Criteria Data

Facility ID: 2227
Facility SIC Code: 8062
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .1
ROGT: .04223
COT: .8
NOXT: 3.3
SOXT: 0
PMT: .1
PM10T: .1

1997 Toxic Data

Facility ID:	2227	**COID:**	SM
Facility SIC Code:	8062	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1998 Criteria Data

Facility ID:	2227	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	.1
CO:	41	**ROGT:**	.04223
Air Basin:	SF	**COT:**	.8
District:	BA	**NOXT:**	3.1
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	.1
CHAPIS:		**PM10T:**	.1

1998 Toxic Data

Facility ID:	2227	**COID:**	SM
Facility SIC Code:	8062	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1999 Criteria Data

Facility ID:	2227	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	.112
CO:	41	**ROGT:**	.0472976
Air Basin:	SF	**COT:**	.678
District:	BA	**NOXT:**	2.71
COID:	SM	**SOXT:**	.011
DISN:	BAY AREA AQMD	**PMT:**	.058
CHAPIS:		**PM10T:**	.058

1999 Toxic Data

Facility ID:	2227	**COID:**	SM
Facility SIC Code:	8062	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2000 Criteria Data

Facility ID:	2227	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	.112
CO:	41	**ROGT:**	.05
Air Basin:	SF	**COT:**	.678

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

District:	BA	**NOXT:**	2.71
COID:	SM	**SOXT:**	.011
DISN:	BAY AREA AQMD	**PMT:**	.058
CHAPIS:		**PM10T:**	.06

2000 Toxic Data

Facility ID:	2227	**COID:**	SM
Facility SIC Code:	8062	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2001 Criteria Data

Facility ID:	2227	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	.36
CO:	41	**ROGT:**	.15
Air Basin:	SF	**COT:**	2.17
District:	BA	**NOXT:**	8.65
COID:	SM	**SOXT:**	.03
DISN:	BAY AREA AQMD	**PMT:**	.18
CHAPIS:		**PM10T:**	.18

2001 Toxic Data

Facility ID:	2227	**COID:**	SM
Facility SIC Code:	8062	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	6 of 11	SSW	0.03 / 150.66	28.56 / 7	**PENINSULA HOSPITAL AND MEDICAL** **1783 EL CAMINO REAL** **BURLINGAME CA 94010**	EMISSIONS

1990 Criteria Data

Facility ID:	2227	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	.3
CO:	41	**ROGT:**	.25443
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	SM	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1990 Toxic Data

Facility ID:	2227	**COID:**	SM
Facility SIC Code:	8062	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
CERR Code:

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6 | ***7 of 11*** | ***SSW*** | ***0.03 / 150.66*** | ***28.56 / 7*** | ***PENINSULA MEDICAL CENTER***
1783 EL CAMINO REAL
BURLINGAME CA 94010 | ***EMISSIONS***

2002 Criteria Data

Facility ID:	2227	***CERR Code:***	
Facility SIC Code:	8062	***TOGT:***	.262
CO:	41	***ROGT:***	.076544
Air Basin:	SF	***COT:***	.992
District:	BA	***NOXT:***	4.092
COID:	SM	***SOXT:***	.016
DISN:	BAY AREA AQMD	***PMT:***	.083
CHAPIS:		***PM10T:***	.082994

2002 Toxic Data

Facility ID:	2227	***COID:***	SM
Facility SIC Code:	8062	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2003 Criteria Data

Facility ID:	2227	***CERR Code:***	
Facility SIC Code:	8062	***TOGT:***	.175
CO:	41	***ROGT:***	.06
Air Basin:	SF	***COT:***	.733
District:	BA	***NOXT:***	2.998
COID:	SM	***SOXT:***	.012
DISN:	BAY AREA AQMD	***PMT:***	.061
CHAPIS:		***PM10T:***	.06

2003 Toxic Data

Facility ID:	2227	***COID:***	SM
Facility SIC Code:	8062	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2004 Criteria Data

Facility ID:	2227	***CERR Code:***	
Facility SIC Code:	8062	***TOGT:***	.221

CO:	41	***ROGT:***	.0966422
Air Basin:	SF	***COT:***	.95
District:	BA	***NOXT:***	3.888
COID:	SM	***SOXT:***	.079
DISN:	BAY AREA AQMD	***PMT:***	.121
CHAPIS:		***PM10T:***	.119728

2004 Toxic Data

Facility ID:	2227	***COID:***	SM
Facility SIC Code:	8062	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2005 Criteria Data

Facility ID:	2227	***CERR Code:***	
Facility SIC Code:	8062	***TOGT:***	.223
CO:	41	***ROGT:***	.0955218
Air Basin:	SF	***COT:***	.87
District:	BA	***NOXT:***	3.629
COID:	SM	***SOXT:***	.022
DISN:	BAY AREA AQMD	***PMT:***	.106
CHAPIS:		***PM10T:***	.104944

2005 Toxic Data

Facility ID:	2227	***COID:***	SM
Facility SIC Code:	8062	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	2227	***CERR Code:***	
Facility SIC Code:	8062	***TOGT:***	.181
CO:	41	***ROGT:***	.0769444
Air Basin:	SF	***COT:***	.792
District:	BA	***NOXT:***	3.26
COID:	SM	***SOXT:***	.017
DISN:	BAY AREA AQMD	***PMT:***	.088
CHAPIS:		***PM10T:***	.087328

2006 Toxic Data

Facility ID:	2227	***COID:***	SM
Facility SIC Code:	8062	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Non-Cancer Acute Haz Ind:						
6	8 of 11	SSW	0.03 / 150.66	28.56 / 7	MILLS PENINSULA MEDICAL CENTER 1783 EL CAMINO REAL BURLINGAME CA 94010	EMISSIONS

2007 Criteria Data

Facility ID:	2227	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	.186
CO:	41	**ROGT:**	.071431
Air Basin:	SF	**COT:**	.853
District:	BA	**NOXT:**	3.479
COID:	SM	**SOXT:**	.013
DISN:	BAY AREA AQMD	**PMT:**	.081
CHAPIS:		**PM10T:**	.080712

2007 Toxic Data

Facility ID:	2227	**COID:**	SM
Facility SIC Code:	8062	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2008 Criteria Data

Facility ID:	2227	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	.343
CO:	41	**ROGT:**	.1167126
Air Basin:	SF	**COT:**	1.024
District:	BA	**NOXT:**	4.311
COID:	SM	**SOXT:**	.014
DISN:	BAY AREA AQMD	**PMT:**	.101
CHAPIS:		**PM10T:**	.100664

2008 Toxic Data

Facility ID:	2227	**COID:**	SM
Facility SIC Code:	8062	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	2227	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	.409
CO:	41	**ROGT:**	.13516
Air Basin:	SF	**COT:**	1.129
District:	BA	**NOXT:**	4.778
COID:	SM	**SOXT:**	.015

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

DISN: BAY AREA AQMD
PMT: .11963934426229508196721311475409836065558
CHAPIS:
PM10T: .118994

2009 Toxic Data

Facility ID: 2227
Facility SIC Code: 8062
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

6	9 of 11	SSW	0.03 / 150.66	28.56 / 7	PENINSULA HOSPITAL AND MEDICAL 1783 EL CAMINO REAL BURLINGAME CA	HIST TANK

Owner Name: PENINSULA HOSPITAL AND MEDICAL
Owner Street: 1783 EL CAMINO REAL
Owner City: BURLINGAME
Owner State: CA
Owner Zip: 94010
No of Containers: 2
County: SAN MATEO
Facility State: CA
Facility Zip: 94010

6	10 of 11	SSW	0.03 / 150.66	28.56 / 7	CELEBRITY CAFE 1783 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0000061

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

6	11 of 11	SSW	0.03 / 150.66	28.56 / 7	PENINSULA HOSPITAL & MED CTR 1783 EL CAMINO REAL BURLINGAME CA	UST SWEEPS

C C: A41-000-660032
BOE:
Comp: 660032
Status: ACTIVE
No of Tanks: 2
Jurisdict: SAN MATEO COUNTY
Agency: ENVIRONMENTAL HEALTH
Phone:
D Filename: SITE14A
Page No: 101
County: SAN MATEO
State : CA
Zip: 94010
Latitude: 0
Longitude: 0
Georesult: N

Tank Details

Tank ID: 000002
O Tank ID: 2
SWRCB No: 41-000-660032-000002
Removed:
Installed:
A Date: 03-24-94
S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:
Content: DIESEL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Capac: 20000
Tank Use: M.V. FUEL
ONA:
D File Name: TANK14A

Tank Details

Tank ID: 000001
O Tank ID:
SWRCB No: 41-000-660032-000001
Removed:
Installed:
A Date: 03-24-94
Capac: 10000
Tank Use: M.V. FUEL
S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:
Content: DIESEL
ONA:
D File Name: TANK14A

7	1 of 7	WSW	0.03 / 166.51	29.51 / 8	PENINSULA MEMORIAL BLOOD BANK 1791 EL CAMINO REAL BURLINGAME CA 94010	HHSS

County:
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002c16d.pdf

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7	2 of 7	WSW	0.03 / 166.51	29.51 / 8	PENINSULA SOUTH BAY CENTER 1791 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0013657

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: LQG OFF-SITE TREATMENT >200 LB/MO

Program Category: UNDERGROUND TANK PROGRAM
Billing Status: Inactive, non-billable
Program Element: UNDERGROUND TANK - GENERAL

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Inactive, non-billable
Program Element: STORES HAZ MAT <219GAL,1,999LB, 879CF

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG WITH TRANSPORT

7	3 of 7	WSW	0.03 / 166.51	29.51 / 8	PENINSULA MEMORIAL BLOOD BANK 1791 EL CAMINO REAL BURLINGAME CA	HIST TANK

Owner Name: PENINSULA MEMORIAL BLOOD BANK
Owner Street: 1791 EL CAMINO REAL
Owner City: BURLINGAME
Owner State: CA
Owner Zip: 94010
No of Containers: 1
County: SAN MATEO
Facility State: CA
Facility Zip: 94010

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	4 of 7	WSW	0.03 / 166.51	29.51 / 8	PENINSULA MEMORIAL BLOOD BANK 1791 EL CAMINO REAL BURLINGAME CA	UST SWEEPS

C C:	I41-000-660005	**D Filename:**	NSITE4
BOE:		**Page No:**	322
Comp:	660005	**County:**	SAN MATEO
Status:	INACTIVE	**State :**	CA
No of Tanks:	1	**Zip:**	94010
Jurisdict:	SAN MATEO COUNTY	**Latitude:**	0
Agency:	ENVIRONMENTAL HEALTH	**Longitude:**	0
Phone:	(415) 697-4034	**Georesult:**	N

Tank Details

Tank ID:	000002	**S Contain:**	NONE
O Tank ID:		**Stg:**	
SWRCB No:	41-000-660005-000002	**Storage :**	PRODUCT
Removed:	01-01-01	**Storag Type:**	PRODUCT
Installed:	01-01-01	**P Contain:**	BARE STEEL
A Date:		**Content:**	DIESEL
Capac:	500	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	NTANK4

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	5 of 7	WSW	0.03 / 166.51	29.51 / 8	PENINSULA MEMORIAL BLOOD BANK 1791 EL CAMINO REAL BURLINGAME CA	UST SWEEPS

C C:	A41-000-660005	**D Filename:**	SITE14A
BOE:		**Page No:**	102
Comp:	660005	**County:**	SAN MATEO
Status:	ACTIVE	**State :**	CA
No of Tanks:	1	**Zip:**	94010
Jurisdict:	SAN MATEO COUNTY	**Latitude:**	0
Agency:	ENVIRONMENTAL HEALTH	**Longitude:**	0
Phone:		**Georesult:**	N

Tank Details

Tank ID:	000001	**S Contain:**	
O Tank ID:	1	**Stg:**	P
SWRCB No:	41-000-660005-000001	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	05-10-91	**Content:**	DIESEL
Capac:	550	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK14A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	6 of 7	WSW	0.03 / 166.51	29.51 / 8	PENINSULA SOUTH BAY CENTER 1791 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID:	FA0013657
Record ID:	PR0035638

Details

Status:	INACTIVE
Program Element:	SQG WITH TRANSPORT
Curr Insp:	
Strt No:	1791
Strt Addr:	EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	7 of 7	WSW	0.03 / 166.51	29.51 / 8	PENINSULA SOUTH BAY CENTER 1791 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0013657
Record ID: PR0010496

Details

Status: INACTIVE
Program Element: LQG OFF-SITE TREATMENT >200 LB/MO
Curr Insp:
Strt No: 1791
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	1 of 4	WNW	0.04 / 186.92	24.48 / 3	CHEVRON 9-8165 1810 EL CAMINO REAL BURLINGAME CA	LOP SANMATEO

Case No: 660011
APN: 025150090
Case Type: O- Other Groundwater affected (uses other than drinking water)
Global ID: T0608100122

LUST Status

Status: 9- Case Closed

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	2 of 4	WNW	0.04 / 186.92	24.48 / 3	CHEVRON 9-8165 1810 EL CAMINO REAL BURLINGAME CA 94010	LUST

Global ID: T0608100122
Status: COMPLETED - CASE CLOSED
Status Date: 11/15/2012
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.5951600236929
Longitude: -122.383071593918

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41-0129
Local Case No: 660011
Begin Date: 7/22/1985
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: YES
Potential COC: Gasoline
How Discovered: Other Means
Stop Method: Other Means
Stop Description:
Case Worker: BG
File Location: Local Agency
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:

Extracted from CRA's SEPTEMBER 30, 2009 SUBSURFACE INVESTIGATION REPORT AND SITE CONCEPTUAL MODEL, San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report. While in operation, the former Chevron station occupied the entire assessor¡¦s parcel number on the northeastern corner of El Camino Real and Trousdale Drive in Burlingame, California. The site is an approximately 0.5 acre fenced, vacant dirt lot, bordered by the Burlingame Nursing and Rehabilitation Center (northeast), a medical office complex (northwest), a shopping center (west), and Mills Peninsula Hospital (southwest). Chevron records indicate the site operated as a service station from approximately 1954 until 1985. The station operations ceased and all structures and fueling facilities were removed in July 1985. The site had six 2,500-gallon and one 10,000-gallon gasoline USTs, one 550-gallon used-oil UST, two dispenser islands and associated piping. 1984 Product Piping Repair: A product line located between two of the unleaded gasoline underground storage tanks (USTs) failed a Petro-Tite test as stated

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The soil excavated from the gasoline UST complex was aerated on site to levels of approximately 25 mg/kg, and backfilled into the excavation. Soils removed from the used-oil tank excavation were transported offsite and properly disposed. 1985 Monitoring Well Installations: EMCON Associates (EMCON) installed temporary monitoring wells C-1 through C-5 surrounding the former gasoline USTs and near the east corner of the site. The wells consisted of 3-inch diameter PVC casing with no annular sand or gravel pack so the wells could be easily destroyed after completing the investigation. No non-aqueous phase liquid (NAPL) was observed in the wells. Groundwater was encountered at approximately 25 fbg. Well C-3 had the maximum concentration of 17,000 ƒÝg/L TPHg. 1989 Soil Borings: In October 1989, PEG drilled borings B-1 through B-15 to approximately 21.5 fbg to further assess the lateral and vertical extent of petroleum hydrocarbons in soil onsite. Hydrocarbon concentrations detected in soil include up to 4,000 mg/kg TPHg and 8.4 mg/kg benzene at approximately 15 fbg from borings B-1, B-2, B-6, and B-14. Low concentrations were detected in boring B-7 located near and downgradient of the former gasoline USTs and dispensers. Hydrocarbon concentrations were near or below detection limits in borings B-4, B-5, B-8 through B-13, and B-15 located upgradient of the former gasoline USTs and dispensers and along the perimeter of the site. The results of this investigation are summarized in the PEG¡¦s June 27, 1990 soil assessment investigation report (untitled). This report also references the ¡§disappearance of wells C-1 and C-2 apparently due to construction activities¡¨ and well C-4 could not be found during the October 1989 investigation. 1991 Soil Vapor Extraction (SVE) System Installation: In January 1991, PEG installed a soil vapor extraction system. The SVE system consisted of 16 extraction pointsinstalled in the vicinity of the former UST complex and operated from February 1991 to June 1991. During the period of operation, the SVE system removed approximately 50 gallons of TPHg. 1991 Well Installation: In October 1991, PEG installed offsite monitoring wells C-6 through C-9 upgradient, crossgradient and downgradient of the site. The only hydrocarbon detected in soil was 0.014 mg/kg xylenes at 15 fbg in boring C-8. Hydrocarbons were only detected in groundwater from C-8 at 110 ƒÝg/L TPHg and 19 ƒÝg/L benzene. 1996 Monitoring Well Destruction and Installation: In June 1996, PEG destroyed and replaced monitoring wells C-3 and C-5 with monitoring wells C-3R and C-5R. Soil boring B-A was advanced and sampled to confirm the effectiveness of the former SVE system by collecting and analyzing soil samples in the former UST complex. No hydrocarbons were detected in soil from C-5R. Hydrocarbon concentrations up to 1,100 mg/kg TPHg, 2 mg/kg benzene, and 3.7 mg/kg methyl tertiary butyl ether (MTBE) were detected in soil from C-3R and B-A. Concentrations detected in soil from boring B-A indicate that TPHg and benzene concentrations had declined since the operation of the SVE system. 1997 Receptor Survey: PEG submitted a well receptor survey questionnaire to residents within 500 feet of the site. No water supply wells were noted on the responses received by PEG. Seven basement level sumps were identified. Two of the sumps were located crossgradient of the site on neighboring properties, the remaining five were upgradient, across El Camino Real. Approximate locations of the sumps are presented on Figure 1. 1997 Risk Based Corrective Action Evaluation: PEG conducted a Tier I and Tier II Risk Based Corrective Action evaluation. The evaluation concluded the representative benzene concentrations in soil and groundwater exceeded residential use Site Specific Target Levels (SSTLs) for the indoor air pathway. 1999 Soil Vapor Borings Installation: In June 1999, Cambria Environmental Technology, Inc. (Cambria) completed soil vapor borings SV-1 and SV-2 to evaluate whether volatilization of benzene from groundwater near well C-3R poses a risk to the occupants of the nursing home. The only benzene concentration detected in the soil vapor samples was 5.4 ƒÝg/L from soil boring SV-2 at 12 fbg. TPHg concentrations of 10.6 ƒÝg/L and 246 ƒÝg/L were detected in SV-1 at 6 fbg and in SV-2 at 12 fbg, respectively. MTBE was only detected in SV-2 sample at 12 fbg at a concentration of 13.4 ƒÝg/L. TPHg concentrations of 1,600 ƒÝg/L and 20,000 ƒÝg/L were present in grab groundwater samples in borings SV-1 and SV-2, respectively. Benzene concentrations of 300 ƒÝg/L and 9,600 ƒÝg/L were detected in grab groundwater samples from borings SV-1 and SV-2, respectively. MTBE was not detected in any of the grab-groundwater samples. The report has never been submitted. However, the results are not considered representative since sampling procedures have changed since 1999. 2001 Subsurface Investigation: In July 2001, Cambria completed soil borings B-16, B-17, and B-18. Only MTBE was detected in soil collected from the borings at a maximum concentration of 0.016 mg/kg from boring B-16 at 10.5 fbg. No TPHg or BTEX were detected in soil samples collected from these borings. TPHg and benzene were only detected in grab-groundwater sample B-17 at 25 ƒÝg/L and 0.22 ƒÝg/L, respectively. No MTBE was detected in any of grab-groundwater samples. The investigation objectives were to further delineate the extent of dissolved hydrocarbons detected near well C-3R and the former USTs. To meet these objectives, CRA advanced onsite soil borings B-19 through B-24.

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type:	RESPONSE
Date :	4/18/2013
Action:	Well Destruction Report
Action Type:	ENFORCEMENT
Date :	11/15/2012
Action:	Closure/No Further Action Letter - #20121115
Action Type:	RESPONSE
Date :	5/15/2012
Action:	Monitoring Report - Annually
Action Type:	ENFORCEMENT
Date :	4/18/2012
Action:	Staff Letter - #20120418
Action Type:	ENFORCEMENT
Date :	3/7/2012
Action:	Notification - Public Notice of Case Closure - #20120307

Action Type: RESPONSE
Date : 1/15/2012
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 7/21/2011
Action: Soil and Water Investigation Report - Regulator Responded

Action Type: RESPONSE
Date : 5/15/2011
Action: Monitoring Report - Annually

Action Type: ENFORCEMENT
Date : 1/21/2011
Action: Staff Letter - #20110121

Action Type: RESPONSE
Date : 1/14/2011
Action: Soil and Water Investigation Report - Regulator Responded

Action Type: RESPONSE
Date : 5/15/2010
Action: Monitoring Report - Annually

Action Type: ENFORCEMENT
Date : 1/26/2010
Action: Staff Letter - #20100126

Action Type: RESPONSE
Date : 1/21/2010
Action: Soil and Water Investigation Workplan

Action Type: ENFORCEMENT
Date : 10/29/2009
Action: Staff Letter - #20091029

Action Type: ENFORCEMENT
Date : 7/30/2009
Action: Site Visit / Inspection / Sampling

Action Type: ENFORCEMENT
Date : 7/17/2009
Action: Staff Letter - #20090717

Action Type: RESPONSE
Date : 5/19/2009
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 5/15/2009
Action: Monitoring Report - Annually

Action Type: RESPONSE
Date : 5/14/2009
Action: Correspondence

Action Type: ENFORCEMENT
Date : 1/7/2009
Action: Staff Letter - #20090107

Action Type: RESPONSE
Date : 5/15/2008
Action: Monitoring Report - Annually

Action Type: RESPONSE
Date : 5/15/2007
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 8/23/2006
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 5/23/2006
Action: Staff Letter - #20060523

Action Type: RESPONSE
Date : 5/15/2006
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 5/15/2005
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 8/31/2004
Action: Request for Closure

Action Type: RESPONSE
Date : 8/15/2004
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 5/15/2004
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 4/20/2004
Action: Staff Letter - #20040420

Action Type: RESPONSE
Date : 5/15/2003
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 5/15/2002
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2/2/2002
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 6/22/2001
Action: Staff Letter - #20010622

Action Type: RESPONSE
Date : 5/15/2001
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 8/9/2000
Action: Staff Letter - #20000809

Action Type: REMEDIATION
Date : 1/1/1991
Action: Other (Use Description Field)

Action Type: REMEDIATION
Date : 1/1/1991
Action: Excavation

Action Type: ENFORCEMENT
Date : 2/27/1989
Action: Notice of Responsibility - #1

Action Type: Other

Date : 7/29/1985
Action: Leak Reported

Action Type: Other
Date : 7/22/1985
Action: Leak Discovery

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone No:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 11/15/2012

Status: Open - Verification Monitoring
Status Date: 6/1/1991

Status: Open - Remediation
Status Date: 2/1/1991

Status: Open - Case Begin Date
Status Date: 7/22/1985

Status: Open - Site Assessment
Status Date: 7/22/1985

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: CHEVRON 9-8165
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig: D
CUF Amount Paid: $284,812
Potential COC: GASOLINE
Facility Type:
Composting Method:
Address: 1810 EL CAMINO REAL
City: BURLINGAME
Zip: 94010
County: SAN MATEO
CUF Claim: 5945
File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608100122
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 11/15/2012
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608100122&tabname=regulatoryhistory
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 660011
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0129
CASEWORKER: Regional Water Board
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply

Site History:

Extracted from CRA's SEPTEMBER 30, 2009 SUBSURFACE INVESTIGATION REPORT AND SITE CONCEPTUAL MODEL, San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report.

While in operation, the former Chevron station occupied the entire assessor¡¦s parcel number on the northeastern corner of El Camino Real and Trousdale Drive in Burlingame, California. The site is an approximately 0.5 acre fenced, vacant dirt lot, bordered by the Burlingame Nursing and Rehabilitation Center (northeast), a medical office complex (northwest), a shopping center (west), and Mills Peninsula Hospital (southwest).
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The investigation objectives were to further delineate the extent of dissolved hydrocarbons detected near well C-3R and the former USTs. To meet these objectives, CRA advanced onsite soil borings B-19 through B-24.

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 11/15/2012

Status: Open - Verification Monitoring
Date : 6/1/1991

Status: Open - Remediation
Date : 2/1/1991

Status: Open - Site Assessment
Date : 7/22/1985

Status: Open - Case Begin Date
Date : 7/22/1985

LUST Sites from GeoTracker Search - Cleanup Action Report (as of Feb 27, 2021)

Action Type: EXCAVATION
Begin Date: 1/1/1991
Phase:
End Date: 6/1/1991
Contaminant Mass Removed:
Description:

Action Type: OTHER (USE DESCRIPTION FIELD)
Begin Date: 1/1/1991
Phase:
End Date: 6/1/1991
Contaminant Mass Removed:
Description:

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Response Requested - Reports
Action Date: 4/18/2013
Received Issue Date: 11/12/2012
Action: Well Destruction Report
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100122&doc_id=5735068
Title Description Comments:

Well destruction

Action Type: Other Regulatory Actions
Action Date: 11/15/2012
Received Issue Date: 11/15/2012
Action: Closure/No Further Action Letter - #20121115
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100122&enforcement_id=6143574&temptable=ENFORCEMENT
Title Description Comments:

Closure letter, building department letter, and case closure summary

Action Type: Response Requested - Reports
Action Date: 5/15/2012
Received Issue Date: 3/16/2012
Action: Monitoring Report - Annually
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100122&doc_id=5733628
Title Description Comments:

2012 annual gw mon report

Action Type: Other Regulatory Actions
Action Date: 4/18/2012
Received Issue Date: 4/18/2012
Action: Staff Letter - #20120418
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100122&enforcement_id=6119310&temptable=ENFORCEMENT
Title Description Comments:

Well destruction

Action Type: Notices
Action Date: 3/7/2012
Received Issue Date: 3/7/2012
Action: Notification - Public Notice of Case Closure - #20120307
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100122&enforcement_id=6115046&temptable=ENFORCEMENT
Title Description Comments:

Property Owner Closure Notification

Action Type: Response Requested - Reports
Action Date: 1/15/2012
Received Issue Date: 1/13/2012
Action: Soil and Water Investigation Report
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100122&doc_id=5718805
Title Description Comments:

Fall vapor sampling report

Action Type: Response Requested - Reports
Action Date: 7/21/2011
Received Issue Date: 8/3/2011
Action: Soil and Water Investigation Report - Regulator Responded
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100122&doc_id=5703855
Title Description Comments:

Sub-slab off-site vapor sampling - One EDF had mislabeled a field point name for a duplicate sample

Action Type: Response Requested - Reports
Action Date: 5/15/2011
Received Issue Date: 3/29/2011
Action: Monitoring Report - Annually
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100122&doc_id=5666122
Title Description Comments:

2011 annual gw mon report

Action Type: Other Regulatory Actions
Action Date: 1/21/2011
Received Issue Date: 1/21/2011
Action: Staff Letter - #20110121
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100122&enforcement_id=6075221&temptable=ENFORCEMENT
Title Description Comments:

Sub-slab off-site vapor sampling

Action Type: Response Requested - Reports
Action Date: *1/14/2011
Received Issue Date: 12/28/2010
Action: Soil and Water Investigation Report - Regulator Responded
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100122&doc_id=5659479
Title Description Comments:

Evaluate extent of contamination on downgradient property and vapor intrusion assessment on subject site and downgradient site - Vapor wells surveyed, EDFs corrected, Geo_map uploaded

Action Type: Response Requested - Reports
Action Date: 5/15/2010
Received Issue Date: 4/20/2010
Action: Monitoring Report - Annually
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100122&doc_id=5649510
Title Description Comments:

2010 annual gw mon report - Report missing attachements and figures

Action Type: Other Regulatory Actions
Action Date: 1/26/2010
Received Issue Date: 1/26/2010
Action: Staff Letter - #20100126
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100122&enforcement_id=6041386&temptable=ENFORCEMENT
Title Description Comments:

Evaluate extent of contamination on downgradient property and vapor intrusion assessment on subject site and downgradient site

Action Type: Response Requested - Workplans
Action Date: 1/21/2010
Received Issue Date: 1/21/2010
Action: Soil and Water Investigation Workplan
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100122&doc_id=5654165
Title Description Comments:

Evaluate extent of contamination on downgradient property and vapor intrusion assessment on subject site and downgradient site wp

Action Type: Other Regulatory Actions
Action Date: 10/29/2009
Received Issue Date: 10/29/2009
Action: Staff Letter - #20091029
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100122&enforcement_id=6034363&temptable=ENFORCEMENT
Title Description Comments:

Evaluate extent of contamination on downgradient property and vapor intrusion assessment on subject site and downgradient site wp

Action Type: Other Regulatory Actions
Action Date: 7/30/2009
Received Issue Date: 7/30/2009
Action: Site Visit / Inspection / Sampling
Doc Link:
Title Description Comments:

6 borings

Action Type: Other Regulatory Actions
Action Date: 7/17/2009
Received Issue Date: 7/17/2009
Action: Staff Letter - #20090717
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100122&enforcement_id=6021818&temptable=ENFORCEMENT
Title Description Comments:

Resolution 2009-042 gw sampling notification letter

Action Type: Response Requested - Reports
Action Date: 5/19/2009
Received Issue Date: 9/29/2009
Action: Soil and Water Investigation Report
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100122&doc_id=5628202
Title Description Comments:

C-3R investigation

Action Type: Response Requested - Reports
Action Date: 5/15/2009
Received Issue Date: 4/7/2009
Action: Monitoring Report - Annually
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100122&doc_id=5649509

Title Description Comments:

2009 annual gw monitoring report

Action Type: Response Requested - Other
Action Date: 5/14/2009
Received Issue Date: 5/14/2009
Action: Correspondence
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100122&doc_id=5639519
Title Description Comments:

Access attempts for C-3R investigation

Action Type: Other Regulatory Actions
Action Date: 1/7/2009
Received Issue Date: 1/7/2009
Action: Staff Letter - #20090107
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100122&enforcement_id=5998576&temptable=ENFORCEMENT
Title Description Comments:

C-3R investigation

Action Type: Response Requested - Reports
Action Date: 5/15/2008
Received Issue Date: 4/28/2008
Action: Monitoring Report - Annually
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100122&doc_id=5589201
Title Description Comments:

Monitoring Report - Quarterly - Event of

Action Type: Response Requested - Reports
Action Date: 5/15/2007
Received Issue Date: 4/18/2007
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly - Event of 2/9/2007

Action Type: Response Requested - Reports
Action Date: 8/23/2006
Received Issue Date: 8/23/2006
Action: Soil and Water Investigation Report
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100122&doc_id=5589404
Title Description Comments:

Site Conceptual Model Report - summary report

Action Type: Other Regulatory Actions
Action Date: 5/23/2006
Received Issue Date: 5/23/2006
Action: Staff Letter - #20060523
Doc Link:
Title Description Comments:

Require summary, out of compliance

Action Type: Response Requested - Reports
Action Date: 5/15/2006
Received Issue Date: 4/17/2006
Action: Monitoring Report - Quarterly
Doc Link:

Title Description Comments:

Monitoring Report - Quarterly - Event of 2/27/2006

Action Type: Response Requested - Reports
Action Date: 5/15/2005
Received Issue Date: 4/19/2005
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly - Event of 2/22/2005

Action Type: Response Requested - Other
Action Date: 8/31/2004
Received Issue Date: 8/23/2006
Action: Request for Closure
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100122&doc_id=5589403
Title Description Comments:

Request for Closure - Request for Closure Summary or WP for Data Gaps

Action Type: Response Requested - Reports
Action Date: 8/15/2004
Received Issue Date: 8/23/2004
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly - Event of June 24, 2004

Action Type: Response Requested - Reports
Action Date: 5/15/2004
Received Issue Date: 4/5/2004
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly - Event of February 13, 2004

Action Type: Other Regulatory Actions
Action Date: 4/20/2004
Received Issue Date: 4/20/2004
Action: Staff Letter - #20040420
Doc Link:
Title Description Comments:

Request Closure Summary

Action Type: Response Requested - Reports
Action Date: 5/15/2003
Received Issue Date: 4/19/2004
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly - Event of March 16, 2003

Action Type: Response Requested - Reports
Action Date: 5/15/2002
Received Issue Date: 4/18/2002
Action: Monitoring Report - Quarterly
Doc Link:

Title Description Comments:

Monitoring Report - Quarterly - Event of February 16, 2002

Action Type: Response Requested - Reports
Action Date: 2/2/2002
Received Issue Date: 4/19/2004
Action: Soil and Water Investigation Report
Doc Link:
Title Description Comments:

Soil and Water Investigation Report - Copy of report dated 4/4/2002 (some other reports were missing from file).

Action Type: Other Regulatory Actions
Action Date: 6/22/2001
Received Issue Date: 6/22/2001
Action: Staff Letter - #20010622
Doc Link:
Title Description Comments:

Approve Workplan, require report

Action Type: Response Requested - Reports
Action Date: 5/15/2001
Received Issue Date: 3/26/2001
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly - 1Q2001 Sampling event

Action Type: Other Regulatory Actions
Action Date: 8/9/2000
Received Issue Date: 8/9/2000
Action: Staff Letter - #20000809
Doc Link:
Title Description Comments:

Update GW Monitoring Requirements

Action Type: Notices
Action Date: 2/27/1989
Received Issue Date: 2/27/1989
Action: Notice of Responsibility - #1
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 1/1/1991
Received Issue Date:
Action: Excavation
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 1/1/1991
Received Issue Date:
Action: Other (Use Description Field)
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 7/29/1985

Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 7/22/1985
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

LUST Sites from GeoTracker Search - Site Maps (as of Feb 27, 2021)

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7465876281/T0608100122.PDF
Size : 391 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 7/27/2011

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3237375915/T0608100122.PDF
Size : 396 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 3/4/2011

Title: B-25 (B-25)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1907822608/T0608100122.PDF
Size : 99 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 12/28/2010

Title: VP-4 (VP-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8433152198/T0608100122.PDF
Size : 81 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 12/28/2010

Title: VP-1 (VP-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3871972620/T0608100122.PDF
Size : 81 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 12/28/2010

Title: B-26 (B-26)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7472326993/T0608100122.PDF
Size : 92 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 12/28/2010

Title: VP-3 (VP-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5796296119/T0608100122.PDF
Size : 81 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 12/28/2010

Title: VP-2 (VP-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2025456249/T0608100122.PDF
Size : 85 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 12/28/2010

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/1970452725/T0608100122.PDF
Size : 275 KB
Submitted By: GHD (CONTRACTOR)

Submitted: 9/29/2009

Title: B-20 (B-20)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4776382923/T0608100122.PDF
Size : 87 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 9/29/2009

Title: B-23 (B-23)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8432695686/T0608100122.PDF
Size : 106 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 9/29/2009

Title: B-22 (B-22)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1491174161/T0608100122.PDF
Size : 94 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 9/29/2009

Title: B-19 (B-19)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4242150723/T0608100122.PDF
Size : 91 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 9/29/2009

Title: B-21 (B-21)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3501519322/T0608100122.PDF
Size : 105 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 9/29/2009

Title: B-24 (B-24)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7590081334/T0608100122.PDF
Size : 95 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 9/29/2009

LUST Sites from GeoTracker Search - Documents (as of Feb 27, 2021)

Document Type: Monitoring Reports
Document Date: 10/1/2015
Type: MONITORING REPORT - QUARTERLY
Title: 3Q94 QMR 10/11/94
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1940275728/T0608100122.PDF
Size : 3,432 KB
Submitted By: ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 11/15/2012
Type: CLOSURE/NO FURTHER ACTION LETTER
Title: CLOSURE LETTER, BUILDING DEPARTMENT LETTER, AND CASE CLOSURE SUMMARY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100122&enforcement_id=6143574
Size :
Submitted By: CHARLES ICE (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 11/9/2012
Type: WELL DESTRUCTION REPORT
Title: WELL DESTRUCTION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3844055116/T0608100122.PDF
Size : 4,296 KB
Submitted By: GHD (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 8/6/2012
Type: CORRESPONDENCE
Title: MANAGEMENT OF CHANGE NOTIFICATION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5879959046/T0608100122.PDF
Size : 41 KB
Submitted By: GHD (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 6/18/2012
Type: WELL DESTRUCTION WORKPLAN
Size : 2,222 KB
Submitted By: GHD (CONTRACTOR)
Submitted:

Title: WORK PLAN FOR WELL AND PROBE DESTRUCTION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7155384838/T0608100122.PDF

Document Type: Site Documents **Size :** 41 KB
Document Date: 5/9/2012 **Submitted By:** GHD (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: CHANGE OF MANAGEMENT NOTIFICATION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7908222973/T0608100122.PDF

Document Type: Site Documents **Size :**
Document Date: 4/18/2012 **Submitted By:** CHARLES ICE (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: WELL DESTRUCTION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100122&enforcement_id=6119310

Document Type: Monitoring Reports **Size :** 1,987 KB
Document Date: 3/16/2012 **Submitted By:** GHD (CONTRACTOR)
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Title: ANNUAL 2012 GROUNDWATER MONITORING AND SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7414289355/T0608100122.PDF

Document Type: Site Documents **Size :**
Document Date: 3/7/2012 **Submitted By:** CHARLES ICE (REGULATOR)
Type: NOTIFICATION - PUBLIC NOTICE OF CASE CLOSURE **Submitted:**
Title: PROPERTY OWNER CLOSURE NOTIFICATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100122&enforcement_id=6115046

Document Type: Site Documents **Size :** 4,974 KB
Document Date: 1/13/2012 **Submitted By:** GHD (CONTRACTOR)
Type: SITE ASSESSMENT REPORT **Submitted:**
Title: SECOND SUB-SLAB VAPOR SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3866627514/T0608100122.PDF

Document Type: Site Documents **Size :** 4,729 KB
Document Date: 7/21/2011 **Submitted By:** GHD (CONTRACTOR)
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Title: SUB-SLAB SOIL VAPOR ASSESSMENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1811385393/T0608100122.PDF

Document Type: Site Documents **Size :** 71 KB
Document Date: 5/6/2011 **Submitted By:** GHD (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: PROJECT MANAGER CONTACT CHANGE
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6375824928/T0608100122.PDF

Document Type: Monitoring Reports **Size :** 1,881 KB
Document Date: 3/29/2011 **Submitted By:** GHD (CONTRACTOR)
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Title: ANNUAL 2011 GROUNDWATER MONITORING AND SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8610452115/T0608100122.PDF

Document Type: Site Documents **Size :**
Document Date: 1/21/2011 **Submitted By:** CHARLES ICE (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: SUB-SLAB OFF-SITE VAPOR SAMPLING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100122&enforcement_id=6075221

Document Type: Site Documents **Size :** 6,167 KB
Document Date: 12/28/2010 **Submitted By:** GHD (CONTRACTOR)
Type: SITE CONCEPTUAL MODEL **Submitted:**
Title: SUBSURFACE INVESTIGATION REPORT, SITE CONCEPTUAL MODEL, AND WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2889725685/T0608100122.PDF

Document Type: Site Documents **Size :** 55 KB
Document Date: 7/27/2010 **Submitted By:** GHD (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: CHANGE OF MANAGEMENT NOTIFICATION

Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3623678922/T0608100122.PDF

Document Type: Site Documents **Size :** 61 KB
Document Date: 6/22/2010 **Submitted By:** GHD (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: EXTENSION REQUEST
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9724116027/T0608100122.PDF

Document Type: Monitoring Reports **Size :** 2,046 KB
Document Date: 4/20/2010 **Submitted By:** GHD (CONTRACTOR)
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Title: ANNUAL 2010 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3412171721/T0608100122.PDF

Document Type: Site Documents **Size :** 53 KB
Document Date: 4/13/2010 **Submitted By:** GHD (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: NOTIFICATION OF CHANGE OF PROJECT MANAGERS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5301682829/T0608100122.PDF

Document Type: Site Documents **Size :**
Document Date: 1/26/2010 **Submitted By:** CHARLES ICE (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: EVALUATE EXTENT OF CONTAMINATION ON DOWNGRADIENT PROPERTY AND VAPOR INTRUSION ASSESSMENT ON SUBJECT SITE AND DOWNGRADIENT SITE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100122&enforcement_id=6041386

Document Type: Site Documents **Size :** 907 KB
Document Date: 1/21/2010 **Submitted By:** GHD (CONTRACTOR)
Type: SITE INVESTIGATION WORKPLAN **Submitted:**
Title: WORKPLAN FOR ADDITIONAL SITE CHARACTERIZATION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7744951546/T0608100122.PDF

Document Type: Site Documents **Size :**
Document Date: 10/29/2009 **Submitted By:** CHARLES ICE (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: EVALUATE EXTENT OF CONTAMINATION ON DOWNGRADIENT PROPERTY AND VAPOR INTRUSION ASSESSMENT ON SUBJECT SITE AND DOWNGRADIENT SITE WP
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100122&enforcement_id=6034363

Document Type: Site Documents **Size :** 6,276 KB
Document Date: 9/29/2009 **Submitted By:** GHD (CONTRACTOR)
Type: SITE INVESTIGATION **Submitted:**
Title: SUBSURFACE INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9724112272/T0608100122.PDF

Document Type: Site Documents **Size :**
Document Date: 7/17/2009 **Submitted By:** CHARLES ICE (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: RESOLUTION 2009-042 GW SAMPLING NOTIFICATION LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100122&enforcement_id=6021818

Document Type: Site Documents **Size :**
Document Date: 5/14/2009 **Submitted By:** CHARLES ICE (REGULATOR)
Type: CORRESPONDENCE **Submitted:**
Title: ACCESS ATTEMPTS FOR C-3R INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100122&document_id=5639519

Document Type: Monitoring Reports **Size :** 2,471 KB
Document Date: 4/7/2009 **Submitted By:** GHD (CONTRACTOR)
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Title: 2009 ANNUAL GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1791478037/T0608100122.PDF

Document Type: Site Documents **Size :**
Document Date: 1/7/2009 **Submitted By:** CHARLES ICE (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: C-3R INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100122&enforcement_id=5998576

Document Type: Site Documents
Document Date: 9/19/2008
Type: CORRESPONDENCE
Title: NOTIFICATION OF CHANGE OF PROJECT MANAGERS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3587387561/T0608100122.PDF
Size : 44 KB
Submitted By: GHD (CONTRACTOR)
Submitted:

Document Type: Monitoring Reports
Document Date: 4/28/2008
Type: MONITORING REPORT - ANNUAL
Title: 2008 ANNUAL REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1388417124/T0608100122.PDF
Size : 1,468 KB
Submitted By: DEANNA HARDING (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 4/8/2008
Type: WORKPLANS - INVESTIGATION WP
Title: SUBSURFACE INVESTIGATION WORKPLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2375945866/T0608100122.PDF
Size : 891 KB
Submitted By: GHD (CONTRACTOR)
Submitted:

Document Type: Monitoring Reports
Document Date: 3/4/2008
Type: MONITORING REPORT - ANNUALLY
Title: ANNUAL EVENT OF 2/5/08
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5808710455/T0608100122.PDF
Size : 8,515 KB
Submitted By: ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 1/29/2008
Type: CORRESPONDENCE - OTHER
Title: NOTIFICATION OF CHANGE OF PROJECT MANAGERS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7889178216/T0608100122.PDF
Size : 27 KB
Submitted By: GHD (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 12/11/2007
Type: CORRESPONDENCE - OTHER
Title: CHANGE OF MANAGEMENT NOTIFICATION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4671406626/T0608100122.PDF
Size : 27 KB
Submitted By: GHD (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 5/9/2007
Type: CORRESPONDENCE - OTHER
Title: NOTIFICATION OF CHANGE OF PROJECT MANAGERS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9177778482/T0608100122.PDF
Size : 37 KB
Submitted By: GHD (CONTRACTOR)
Submitted:

Document Type: Monitoring Reports
Document Date: 4/18/2007
Type: MONITORING REPORT - ANNUAL
Title: 2007 ANNUAL GW M&S REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5645673453/T0608100122.PDF
Size : 1,469 KB
Submitted By: DEANNA HARDING (CONTRACTOR)
Submitted:

Document Type: Monitoring Reports
Document Date: 3/21/2007
Type: MONITORING REPORT - ANNUALLY
Title: ANNUAL EVENT OF 2/9/07
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2285956680/T0608100122.PDF
Size : 8,061 KB
Submitted By: ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 8/23/2006
Type: REPORTS - CLOSURE RPT.
Title: CLOSURE REQUEST
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3012347161/T0608100122.PDF
Size : 5,668 KB
Submitted By: GHD (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 8/23/2006
Type: REQUEST FOR CLOSURE
Title: CLOSURE REQUEST 8/23/06
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5664125442/T0608100122.PDF
Size : 27,456 KB
Submitted By: ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Submitted:

Document Type: Site Documents | **Size :** 42 KB
Document Date: 7/3/2006 | **Submitted By:** GHD (CONTRACTOR)
Type: CORRESPONDENCE - OTHER | **Submitted:**
Title: CHANGE OF MANAGEMENT LETTER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9592924356/T0608100122.PDF

Document Type: Monitoring Reports | **Size :** 1,406 KB
Document Date: 4/17/2006 | **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - ANNUAL | **Submitted:**
Title: ANNUAL06 MONITORING AND SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4827564835/T0608100122.PDF

Document Type: Monitoring Reports | **Size :** 8,198 KB
Document Date: 4/10/2006 | **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - ANNUALLY | **Submitted:**
Title: ANNUAL EVENT OF 2/27/06
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8041281998/T0608100122.PDF

Document Type: Monitoring Reports | **Size :** 1,388 KB
Document Date: 4/11/2005 | **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - ANNUAL | **Submitted:**
Title: ANNUAL05 MONITORING AND SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9009137809/T0608100122.PDF

Document Type: Monitoring Reports | **Size :** 7,773 KB
Document Date: 3/28/2005 | **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - ANNUALLY | **Submitted:**
Title: ANNUAL EVENT OF 2/22/05
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8398073196/T0608100122.PDF

Document Type: Monitoring Reports | **Size :** 7,744 KB
Document Date: 7/14/2004 | **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - ANNUALLY | **Submitted:**
Title: ANNUAL EVENT OF 6/24/04
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8888864874/T0608100122.PDF

Document Type: Monitoring Reports | **Size :** 7,209 KB
Document Date: 3/11/2004 | **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - ANNUALLY | **Submitted:**
Title: ANNUAL EVENT OF 3/13/04
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8977042496/T0608100122.PDF

Document Type: Monitoring Reports | **Size :** 8,009 KB
Document Date: 3/16/2003 | **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - ANNUALLY | **Submitted:**
Title: ANNUAL EVENT 3/16/03
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3522451817/T0608100122.PDF

Document Type: Site Documents | **Size :** 18,178 KB
Document Date: 4/4/2002 | **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: SITE CHARACTERIZATION REPORT 4/4/02
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4800941228/T0608100122.PDF

Document Type: Site Documents | **Size :** 4,660 KB
Document Date: 4/23/2001 | **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: OTHER WORKPLAN | **Submitted:**
Title: SITE CHARACTERIZATION WP 4/23/01
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3088601291/T0608100122.PDF

Document Type: Monitoring Reports | **Size :** 6,112 KB

Document Date: 4/17/1996 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1Q96 QMR 4/17/96
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7487558722/T0608100122.PDF

Document Type: Site Documents **Size :** 2,827 KB
Document Date: 3/22/1996 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Title: SOIL & GW INVESTIGATION WP 3/22/96
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7569258272/T0608100122.PDF

Document Type: Monitoring Reports **Size :** 5,910 KB
Document Date: 10/26/1995 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 3Q95 QMR 10/26/95
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1697615206/T0608100122.PDF

Document Type: Monitoring Reports **Size :** 6,601 KB
Document Date: 7/19/1995 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 2Q95 QMR 7/19/95
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3115882575/T0608100122.PDF

Document Type: Monitoring Reports **Size :** 6,702 KB
Document Date: 5/4/1995 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1Q95 QMR 5/4/95
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9319480657/T0608100122.PDF

Document Type: Monitoring Reports **Size :** 7,823 KB
Document Date: 1/31/1995 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 4Q95 QMR 1/31/95
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4576315343/T0608100122.PDF

Document Type: Monitoring Reports **Size :** 4,338 KB
Document Date: 1/11/1995 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 4Q94 QMR 1/11/95
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6459913790/T0608100122.PDF

Document Type: Monitoring Reports **Size :** 3,273 KB
Document Date: 7/6/1994 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 2Q94 QMR 7/6/94
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9074408829/T0608100122.PDF

Document Type: Monitoring Reports **Size :** 2,952 KB
Document Date: 4/5/1994 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1Q94 QMR 4/5/94
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1304602921/T0608100122.PDF

Document Type: Monitoring Reports **Size :** 2,618 KB
Document Date: 1/31/1994 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 4Q93 QMR 1/31/94
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2342111945/T0608100122.PDF

Document Type: Monitoring Reports **Size :** 2,614 KB
Document Date: 11/5/1993 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 3Q93 QMR 11/5/93
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2292395055/T0608100122.PDF

Document Type: Monitoring Reports **Size :** 2,550 KB
Document Date: 8/11/1993 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 2Q93 QMR 8/11/93
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4111460089/T0608100122.PDF

Document Type: Monitoring Reports **Size :** 2,090 KB
Document Date: 4/19/1993 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1Q93 QMR 4/19/93
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7080598950/T0608100122.PDF

Document Type: Monitoring Reports **Size :** 1,940 KB
Document Date: 1/26/1993 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 4Q92 QMR 1/26/93
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8387602388/T0608100122.PDF

Document Type: Monitoring Reports **Size :** 1,871 KB
Document Date: 10/22/1992 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 3Q92 QMR 10/22/92
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6074991583/T0608100122.PDF

Document Type: Site Documents **Size :** 327 KB
Document Date: 9/8/1992 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: SITE CONDITIONS & FINDINGS LETTER 3Q92 9/8/92
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1346201300/T0608100122.PDF

Document Type: Monitoring Reports **Size :** 1,870 KB
Document Date: 8/31/1992 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 2Q92 QMR 8/31/92
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9227377355/T0608100122.PDF

Document Type: Monitoring Reports **Size :** 6,734 KB
Document Date: 5/19/1992 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1Q92 QMR 5/19/92
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9802997648/T0608100122.PDF

Document Type: Site Documents **Size :** 7,554 KB
Document Date: 1/28/1992 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: SITE INVESTIGATION **Submitted:**
Title: SUBSURFACE INVESTIGATION 1/28/92
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7926139593/T0608100122.PDF

Document Type: Site Documents **Size :** 4,157 KB
Document Date: 7/19/1991 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: OTHER WORKPLAN **Submitted:**
Title: WORK PLAN FOR ADDITIONAL INVESTIGATION 7/19/91
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6244039952/T0608100122.PDF

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Document Type: Site Documents
Size : 5,181 KB
Document Date: 10/22/1990
Submitted By: ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT
Submitted:
Title: AIR DISCHARGE PERMIT APP SVET 10/22/90
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6115629732/T0608100122.PDF

Document Type: Site Documents
Size : 1,980 KB
Document Date: 8/17/1990
Submitted By: ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: OTHER WORKPLAN
Submitted:
Title: WORK PLAN FOR SOIL EXCAVATION 8/17/1990
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6186640143/T0608100122.PDF

Document Type: Site Documents
Size : 709 KB
Document Date: 7/18/1990
Submitted By: ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MEETING NOTES
Submitted:
Title: SHORING DESIGN MEETING MINUTES 7/18/90
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5602716803/T0608100122.PDF

Document Type: Site Documents
Size : 2,799 KB
Document Date: 7/22/1985
Submitted By: ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT
Submitted:
Title: SAMPLING REPORT 7/22/85
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9970327794/T0608100122.PDF

8	3 of 4	WNW	0.04 / 186.92	24.48 / 3	98165 1810 EL CAMINO REAL BURLINGAME CA 94010	HHSS

County:
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002bd1e.pdf

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8	4 of 4	WNW	0.04 / 186.92	24.48 / 3	98165 1810 EL CAMINO REAL BURLINGAME CA	HIST TANK

Owner Name: CHEVRON U.S.A. INC.
Owner Street: 575 MARKET
Owner City: SAN FRANCISCO
Owner State: CA
Owner Zip: 94105
No of Containers: 6
County: SAN MATEO
Facility State: CA
Facility Zip: 94010

9	1 of 1	W	0.04 / 188.50	27.35 / 6	TIGER TEA INC 1803 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0059738

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

10	1 of 1	N	0.04 / 197.44	16.26 / -5	MILLS PENINSULA HEALTH SVCS 863 TROUSDALE BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0037693
Record ID: PR0065523

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Details

Status:	INACTIVE
Program Element:	SQG COMMON STORAGE AREA FAC (1-199 LB/MO)
Curr Insp:	
Strt No:	863
Strt Addr:	TROUSDALE

11	*1 of 2*	*E*	*0.04 / 230.74*	*11.11 / -10*	***VINTAGE ELEVATOR SERVICES*** ***1733 CALIFORNIA DR*** ***BURLINGAME CA 94010-3201***	***RCRA NON GEN***

EPA Handler ID:	CAC003049090
Gen Status Universe:	No Report
Contact Name:	VINTAGE ELEVATOR SERVICES
Contact Address:	3991 PACIFIC BLVD , , SAN MATEO , CA, 94033 ,
Contact Phone No and Ext:	650-826-7514
Contact Email:	GREG@VINTAGE-ELEVATOR.COM
Contact Country:	
County Name:	SAN MATEO
EPA Region:	09
Land Type:	
Receive Date:	20200102
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20200102
Handler Name:	VINTAGE ELEVATOR SERVICES
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner ***Street No:***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Type:	Other	**Street 1:**	3991 PACIFIC BLVD
Name:	VINTAGE ELEVATOR SERVICES	**Street 2:**	
Date Became Current:		**City:**	SAN MATEO
Date Ended Current:		**State:**	CA
Phone:	650-826-7514	**Country:**	
Source Type:	Implementer	**Zip Code:**	94403-4661
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	3991 PACIFIC BLVD
Name:	VINTAGE ELEVATOR SERVICES	**Street 2:**	
Date Became Current:		**City:**	SAN MATEO
Date Ended Current:		**State:**	CA
Phone:	650-826-7514	**Country:**	
Source Type:	Implementer	**Zip Code:**	94033

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11 *2 of 2* *E* *0.04 / 230.74* *11.11 / -10*

MILLS ESTATE VILLA
1733 CALIFORNIA DR
BURLINGAME CA 94010

MED
WST SANMATEO

Facility ID: FA0029525
Record ID: PR0050314

Details

Status: INACTIVE
Program Element: INITIAL SETUP &MEDICAL WASTE REGISTRATION-SQG
Curr Insp:
Strt No: 1733
Strt Addr: CALIFORNIA

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12 *1 of 1* *W* *0.05 / 238.68* *26.79 / 5*

LITTLE LUCCA
1809 EL CAMINO REAL
BURLINGAME CA 94010

CUPA
SANMATEO

Facility ID: FA0001115

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

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13 *1 of 1* *NE* *0.05 / 272.93* *11.71 / -10*

NIECO CORP
15 GUITTARD
BURLINGAME CA 94010

CUPA
SANMATEO

Facility ID: FA0008808

Detail(s)

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Inactive, non-billable
Program Element: GENERATES <27 GAL/YEAR

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Inactive, non-billable
Program Element: STORES HAZ MAT <219GAL,1,999LB, 879CF

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	1 of 1	W	0.06 / 303.02	28.68 / 7	HAPPY DONUT 1807 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0029623

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
15	1 of 1	NE	0.06 / 303.56	11.19 / -10	GUITTARD CHOCOLATE 10 GUITTARD BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0003879

Detail(s)

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Active, billable
Program Element: GENERATES & RECYCLES WASTE OIL/SOLVENT

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Active, billable
Program Element: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	1 of 2	E	0.06 / 305.95	10.08 / -11	MILLS ESTATE VILLA 1733 CALIFORNIA BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0029525

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: INITIAL SETUP &MEDICAL WASTE REGISTRATION-SQG

Program Category: MEDICAL WASTE
Billing Status: Active, billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	2 of 2	E	0.06 / 305.95	10.08 / -11	MILLS ESTATE VILLA 1733 CALIFORNIA BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0029525
Record ID: PR0050315

Details

Status: ACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1733
Strt Addr: CALIFORNIA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
17	1 of 1	W	0.06 / 309.63	25.71 / 4	AMERICAN BULL BAR & GRILL INC 1819 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0001917

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
18	1 of 1	WSW	0.06 / 328.22	30.83 / 10	MILLS PENINSULA HEALTH SVCS 1510 TROUSDALE BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0037693
Record ID: PR0010540

Details

Status:
Program Element: LQG OFF-SITE & ON-SITE TREATMENT >200 LB/MO
Curr Insp: 3/19/2019
Strt No: 1510
Strt Addr: TROUSDALE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	1 of 47	SSE	0.07 / 367.39	21.36 / 0	PULMONARY ASSOC 1720 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0029160

Detail(s)

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Inactive, non-billable
Program Element: GENERATES <27 GAL/YEAR

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	2 of 47	SSE	0.07 / 367.39	21.36 / 0	GARDEN DELITE CATERING INC 1720 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0028163

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	3 of 47	SSE	0.07 / 367.39	21.36 / 0	PENINSULA MEDICAL GROUP 1720 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID: FA0029161

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

19	4 of 47	SSE	0.07 / 367.39	21.36 / 0	SURGICAL ASC OF THE PENINSULA 1720 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026317

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

19	5 of 47	SSE	0.07 / 367.39	21.36 / 0	BRUCE, GENE K., M.D. 1720 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026135

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

19	6 of 47	SSE	0.07 / 367.39	21.36 / 0	BURLINGAME DIALYSIS 1720 EL CAMINO REAL BURLINGAME CA 94010-3224	CUPA SANMATEO

Facility ID: FA0049467

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Active, billable
Program Element: LQG OFF-SITE TREATMENT >200 LB/MO

19	7 of 47	SSE	0.07 / 367.39	21.36 / 0	MID PENINSULA MEDICAL ARTS BUILDING 1720 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0061427

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: LQG COMMON STORAGE AREA FAC (>200 LB/MO)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	8 of 47	SSE	0.07 / 367.39	21.36 / 0	MID PENINSULA MEDICAL ARTS BLDG 1720 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0013495

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: LQG COMMON STORAGE AREA FAC (>200 LB/MO)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	9 of 47	SSE	0.07 / 367.39	21.36 / 0	SHAPIRO, DEBRA M.D., INC 1720 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026266

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	10 of 47	SSE	0.07 / 367.39	21.36 / 0	PENINSULA PEDIATRIC MED GRP 1720 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026339

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	11 of 47	SSE	0.07 / 367.39	21.36 / 0	MPHS EMP HLTH CLINIC/PAMF EXT HRS CLINIC 1720 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0050529

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	12 of 47	SSE	0.07 / 367.39	21.36 / 0	MILLS PENINSULA HOSP OCCUP HEALTH 1720 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026180

Detail(s)

Program Category: MEDICAL WASTE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Billing Status:		Inactive, non-billable				
Program Element:		SQG OFF-SITE TREATMENT (1-199 LB/MO)				
19	13 of 47	SSE	0.07 / 367.39	21.36 / 0	MILLS PENINSULA 1720 RENEL DIALYSIS 1720 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO
Facility ID:		FA0026179				
Detail(s)						
Program Category:		MEDICAL WASTE				
Billing Status:		Inactive, non-billable				
Program Element:		LQG OFF-SITE TREATMENT >200 LB/MO				
19	14 of 47	SSE	0.07 / 367.39	21.36 / 0	MILLS PEN. PHARMACY/LAB 1720 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO
Facility ID:		FA0026181				
Detail(s)						
Program Category:		MEDICAL WASTE				
Billing Status:		Inactive, non-billable				
Program Element:		SQG OFF-SITE TREATMENT (1-199 LB/MO)				
19	15 of 47	SSE	0.07 / 367.39	21.36 / 0	MILLS CAFE 1720 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO
Facility ID:		FA0047000				
Detail(s)						
Program Category:		STORMWATER				
Billing Status:		Inactive, non-billable				
Program Element:		STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
19	16 of 47	SSE	0.07 / 367.39	21.36 / 0	BURLINGAME ORTHOPEDICS/SPORTS MED 1720 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO
Facility ID:		FA0028679				
Detail(s)						
Program Category:		MEDICAL WASTE				
Billing Status:		Temporarily inactive, non-billable				
Program Element:		TIER 1 SQG REGISTRATION				
19	17 of 47	SSE	0.07 / 367.39	21.36 / 0	BENNER DR., ROBERT 1720 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO
Facility ID:		FA0029142				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

19	*18 of 47*	*SSE*	*0.07 / 367.39*	*21.36 / 0*	*MILLS PENINSULA SENIOR FOCUS CENTER ADULT DAY HEALTH* *1720 EL CAMINO REAL* *BURLINGAME CA 94010*	*CUPA SANMATEO*

Facility ID: FA0057474

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

19	*19 of 47*	*SSE*	*0.07 / 367.39*	*21.36 / 0*	*LIU, VICTOR MD* *1720 EL CAMINO REAL* *BURLINGAME CA 94010*	*CUPA SANMATEO*

Facility ID: FA0026289

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

19	*20 of 47*	*SSE*	*0.07 / 367.39*	*21.36 / 0*	*CARDIOVASCULAR ASSOC OF THE PEN* *1720 EL CAMINO REAL* *BURLINGAME CA 94010*	*CUPA SANMATEO*

Facility ID: FA0026315

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

19	*21 of 47*	*SSE*	*0.07 / 367.39*	*21.36 / 0*	*BURLINGAME PEDIATRIC DENTISTRY* *1720 EL CAMINO REAL* *BURLINGAME CA 94010*	*CUPA SANMATEO*

Facility ID: FA0065578

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

19	*22 of 47*	*SSE*	*0.07 /*	*21.36 /*	*SPMF - MATERNAL FETAL*	*CUPA SANMATEO*

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
			367.39	0	MEDICINE 1720 EL CAMINO REAL BURLINGAME CA 94010	

Facility ID: FA0065528

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Active, billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	23 of 47	SSE	0.07 / 367.39	21.36 / 0	MID PENINSULA MEDICAL ARTS BUILDING 1720 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0065597

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Active, billable
Program Element: LQG COMMON STORAGE AREA FAC (>200 LB/MO)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	24 of 47	SSE	0.07 / 367.39	21.36 / 0	MID PENINSULA ENDOSCOPY CENTER 1720 EL CAMINO REAL BURLINGAME CA 94010	EMISSIONS

2017 Criteria Data

Facility ID:	23328	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	.000017735
CO:	41	**ROGT:**	.0000155801975
Air Basin:	SF	**COT:**	.000078013
District:	BA	**NOXT:**	.000430387
COID:	SM	**SOXT:**	.000000835
DISN:	BAY AREA AQMD	**PMT:**	.000013674
CHAPIS:		**PM10T:**	.000013127

2017 Toxic Data

Facility ID:	23328	**COID:**	SM
Facility SIC Code:	8062	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2018 Criteria Data

Facility ID:	23328	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	.000017747
CO:	41	**ROGT:**	.0000155907395
Air Basin:	SF	**COT:**	.000078065
District:	BA	**NOXT:**	.000430673
COID:	SM	**SOXT:**	.000000836

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

DISN:	BAY AREA AQMD	**PMT:**	.000013683
CHAPIS:		**PM10T:**	.000013136

2018 Toxic Data

Facility ID:	23328	**COID:**	SM
Facility SIC Code:	8062	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

19	25 of 47	SSE	0.07 / 367.39	21.36 / 0	**MID PENINSULA ENDOSCOPY CENTER** **1720 EL CAMINO REAL** **BURLINGAME CA 94010**	**CUPA SANMATEO**

Facility ID: FA0066544

Detail(s)

Program Category:	BUSINESS PLAN PROGRAM
Billing Status:	Active, billable
Program Element:	STORES MV FUELS OR WASTE ONLY

19	26 of 47	SSE	0.07 / 367.39	21.36 / 0	**AG - LO 1720 EL CAMINO OWNER, LLC** **1720 EL CAMINO REAL** **BURLINGAME CA 94010**	**RCRA NON GEN**

EPA Handler ID:	CAC003030713
Gen Status Universe:	No Report
Contact Name:	BETTY LEE
Contact Address:	2000 AVENUE OF THE STARS , SUITE 1020 , LOS ANGELES , CA, 90067 ,
Contact Phone No and Ext:	310-777-5440
Contact Email:	BLEE@LPC.COM
Contact Country:	
County Name:	SAN MATEO
EPA Region:	09
Land Type:	
Receive Date:	20190822
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No

Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190822
Handler Name:	AG - LO 1720 EL CAMINO OWNER, LLC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	2000 AVENUE OF THE STARS
Name:	BETTY LEE	**Street 2:**	SUITE 1020
Date Became Current:		**City:**	LOS ANGELES
Date Ended Current:		**State:**	CA
Phone:	310-777-5440	**Country:**	
Source Type:	Implementer	**Zip Code:**	90067

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	2000 AVENUE OF THE STARS
Name:	AG - LO 1720 EL CAMINO OWNER, LLC	**Street 2:**	SUITE 1020
Date Became Current:		**City:**	LOS ANGELES
Date Ended Current:		**State:**	CA
Phone:	310-777-5440	**Country:**	
Source Type:	Implementer	**Zip Code:**	90067

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	27 of 47	SSE	0.07 / 367.39	21.36 / 0	MID PENINSULA MEDICAL ARTS BLDG 1720 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID:	FA0013495
Record ID:	PR0010535

Details

Status:	INACTIVE
Program Element:	LQG COMMON STORAGE AREA FAC (>200 LB/MO)
Curr Insp:	
Strt No:	1720
Strt Addr:	EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	28 of 47	SSE	0.07 / 367.39	21.36 / 0	MILLS PENINSULA 1720 RENEL DIALYSIS 1720 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID:	FA0026179
Record ID:	PR0037769

Details

Status:	INACTIVE
Program Element:	LQG OFF-SITE TREATMENT >200 LB/MO
Curr Insp:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Strt No:		1720				
Strt Addr:		EL CAMINO REAL				

19	29 of 47	SSE	0.07 / 367.39	21.36 / 0	CARDIOVASCULAR ASSOC OF THE PEN 1720 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026315
Record ID: PR0037991

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1720
Strt Addr: EL CAMINO REAL

19	30 of 47	SSE	0.07 / 367.39	21.36 / 0	SURGICAL ASC OF THE PENINSULA 1720 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026317
Record ID: PR0037995

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp: 10/5/2013
Strt No: 1720
Strt Addr: EL CAMINO REAL

19	31 of 47	SSE	0.07 / 367.39	21.36 / 0	LIN, JERRY DMD 1720 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026376
Record ID: PR0038200

Details

Status: ACTIVE
Program Element: TIER 1 SQG REGISTRATION
Curr Insp:
Strt No: 1720
Strt Addr: EL CAMINO REAL

19	32 of 47	SSE	0.07 / 367.39	21.36 / 0	MILLS PEN. PHARMACY/LAB 1720 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026181
Record ID: PR0037771

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Curr Insp:		4/26/2015				
Strt No:		1720				
Strt Addr:		EL CAMINO REAL				
19	33 of 47	SSE	0.07 / 367.39	21.36 / 0	BURLINGAME DIALYSIS 1720 EL CAMINO REAL BURLINGAME CA 94010-3224	MED WST SANMATEO
Facility ID:		FA0049467				
Record ID:		PR0067650				
Details						
Status:		ACTIVE				
Program Element:		LQG OFF-SITE TREATMENT >200 LB/MO				
Curr Insp:		10/5/2019				
Strt No:		1720				
Strt Addr:		EL CAMINO REAL				
19	34 of 47	SSE	0.07 / 367.39	21.36 / 0	SPMF - MATERNAL FETAL MEDICINE 1720 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO
Facility ID:		FA0065528				
Record ID:		PR0088445				
Details						
Status:		ACTIVE				
Program Element:		SQG OFF-SITE TREATMENT (1-199 LB/MO)				
Curr Insp:						
Strt No:		1720				
Strt Addr:		EL CAMINO REAL				
19	35 of 47	SSE	0.07 / 367.39	21.36 / 0	BURLINGAME PEDIATRIC DENTISTRY 1720 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO
Facility ID:		FA0065578				
Record ID:		PR0088520				
Details						
Status:		ACTIVE				
Program Element:		TIER 1 SQG REGISTRATION				
Curr Insp:						
Strt No:		1720				
Strt Addr:		EL CAMINO REAL				
19	36 of 47	SSE	0.07 / 367.39	21.36 / 0	PULMONARY ASSOC 1720 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO
Facility ID:		FA0029160				
Record ID:		PR0049403				
Details						
Status:		ACTIVE				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Program Element:		TIER 1 SQG REGISTRATION				
Curr Insp:		9/24/2017				
Strt No:		1720				
Strt Addr:		EL CAMINO REAL				
19	37 of 47	SSE	0.07 / 367.39	21.36 / 0	BRUCE, GENE K., M.D. 1720 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO
Facility ID:		FA0026135				
Record ID:		PR0037697				
Details						
Status:		INACTIVE				
Program Element:		SQG OFF-SITE TREATMENT (1-199 LB/MO)				
Curr Insp:						
Strt No:		1720				
Strt Addr:		EL CAMINO REAL				
19	38 of 47	SSE	0.07 / 367.39	21.36 / 0	SHAPIRO, DEBRA M.D., INC 1720 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO
Facility ID:		FA0026266				
Record ID:		PR0037905				
Details						
Status:		INACTIVE				
Program Element:		TIER 1 SQG REGISTRATION				
Curr Insp:						
Strt No:		1720				
Strt Addr:		EL CAMINO REAL				
19	39 of 47	SSE	0.07 / 367.39	21.36 / 0	PENINSULA PEDIATRIC MED GRP 1720 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO
Facility ID:		FA0026339				
Record ID:		PR0038026				
Details						
Status:		ACTIVE				
Program Element:		TIER 1 SQG REGISTRATION				
Curr Insp:						
Strt No:		1720				
Strt Addr:		EL CAMINO REAL				
19	40 of 47	SSE	0.07 / 367.39	21.36 / 0	BURLINGAME ORTHOPEDICS/SPORTS MED 1720 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO
Facility ID:		FA0028679				
Record ID:		PR0047978				
Details						
Status:		ACTIVE				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Program Element:		TIER 1 SQG REGISTRATION				
Curr Insp:		9/28/2017				
Strt No:		1720				
Strt Addr:		EL CAMINO REAL				
19	41 of 47	SSE	0.07 / 367.39	21.36 / 0	MID PENINSULA MEDICAL ARTS BUILDING 1720 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO
Facility ID:		FA0061427				
Record ID:		PR0084148				
Details						
Status:		INACTIVE				
Program Element:		LQG COMMON STORAGE AREA FAC (>200 LB/MO)				
Curr Insp:						
Strt No:		1720				
Strt Addr:		EL CAMINO REAL				
19	42 of 47	SSE	0.07 / 367.39	21.36 / 0	MID PENINSULA MEDICAL ARTS BUILDING 1720 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO
Facility ID:		FA0065597				
Record ID:		PR0088544				
Details						
Status:		ACTIVE				
Program Element:		LQG COMMON STORAGE AREA FAC (>200 LB/MO)				
Curr Insp:						
Strt No:		1720				
Strt Addr:		EL CAMINO REAL				
19	43 of 47	SSE	0.07 / 367.39	21.36 / 0	LIU, VICTOR MD 1720 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO
Facility ID:		FA0026289				
Record ID:		PR0037954				
Details						
Status:		ACTIVE				
Program Element:		TIER 1 SQG REGISTRATION				
Curr Insp:		9/20/2015				
Strt No:		1720				
Strt Addr:		EL CAMINO REAL				
19	44 of 47	SSE	0.07 / 367.39	21.36 / 0	PENINSULA MEDICAL GROUP 1720 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO
Facility ID:		FA0029161				
Record ID:		PR0049404				
Details						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1720
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	45 of 47	SSE	0.07 / 367.39	21.36 / 0	MPHS EMP HLTH CLINIC/PAMF EXT HRS CLINIC 1720 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0050529
Record ID: PR0069989

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp: 7/17/2017
Strt No: 1720
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	46 of 47	SSE	0.07 / 367.39	21.36 / 0	MILLS PENINSULA HOSP OCCUP HEALTH 1720 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026180
Record ID: PR0037770

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1720
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	47 of 47	SSE	0.07 / 367.39	21.36 / 0	BENNER DR., ROBERT 1720 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0029142
Record ID: PR0049372

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp: 9/13/2015
Strt No: 1720
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	1 of 2	W	0.07 / 369.55	26.16 / 5	LUNARDIS FOODS MARKET #8 1825 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0002596

Detail(s)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Active, billable
Program Element: STORES MV FUELS OR WASTE ONLY

20	2 of 2	W	0.07 / 369.55	26.16 / 5	**LUNARDIS FOODS MARKET #8** **1825 EL CAMINO REAL** **BURLINGAME CA 94010**	CERS HAZ

Site ID: 422937
Latitude: 37.594798
Longitude: -122.384079
County:

Regulated Programs

EI ID: 10723222 **EI Description:** Chemical Storage Facilities

Violations

Violation Date: 05/08/2017 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** San Mateo County Environmental Health
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Notes:

Returned to compliance on 06/02/2017. Today, I conducted an initial inspection with Store Manager, Don Yee, to review the hazardous material stored and/or hazardous waste generated at this location. This facility utilizes an undetermined quantity of R-407A Refrigerant (40% 1,1,1,2-Tetrafluoroethane, 40% pentafluoroethane, and 20% difluoroethane). Please calculate the volume of refrigerant at this store and identify if you are over the reporting quantity . If this facility stores refrigerant is over the reporting quantity of 1,000 cubic feet, you are required to submit a Hazardous Materials Business Plan. Since Lunardis has stores in multiple counties, I would recommend that they submit this data through the California Electronic Reporting System (CERS). https://cersregulator.calepa.ca.gov/ Please report the refrigerant in cubic feet for this location.

Violation Description:

Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.

Evaluations

Eval Date: 01/16/2020
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 10/24/2019
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

conversation with Mark Johnson about certification and submittal approval.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/08/2017

Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Don Yee, lunardi8@yahoo.com Please visit our website at http://www.smchealth.org/post/certified-unified-program-agency-cupa-forms. There is useful information on this page that will help you with compliance. You may wish to save this page as a "favorite" or "bookmark." Within that page, you will find links to the Hazardous Materials Business Program (http://www.smchealth.org/hmbp) and the State-mandated electronic reporting requirements (http://www.smchealth.org/electronic-reporting). Unless you can demonstrate that you do not exceed the reportable threshold for refrigerant, please take the necessary steps to establish a user ID and enter the HMBP electronically. Please do not hesitate to contact me with any questions you may have about this process. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/24/2019
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

mjohnson@lunardis.net Last HMBP submitted in July 2018. Next submittal is due in July 2019 Employees are provided safety training each year a list of emergency contact numbers is provided to employees. Facility does not accept non usable hazardous material/waste from public. If cleaner are damaged, facility uses chemical as directed by manufacturer ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Identification Signer
Entity Name: LUNARDIS SUPERMARKETS
Entity Title: asst. gen.mgr.
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: San Mateo County Environmental Health
Entity Title:
Address: 2000 Alameda de las Pulgas, Suite 100
City: San Mateo
State: CA
Country:
Zip Code: 94403
Phone: (650) 372-6200

Affil Type Desc: Operator
Entity Name: Mark Johnson
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (925) 787-6690

Affil Type Desc: Legal Owner
Entity Name: PAUL LUNARDI
Entity Title:
Address: 432 north canal st. suite #22
City: S SAN FRANCISCO
State: CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Country: United States
Zip Code: 94080
Phone: (650) 588-7507

Affil Type Desc: Document Preparer
Entity Name: Mark Johnson
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: Mark Johnson
Entity Title:
Address: 432 N CANAL ST
City: S SAN FRANCISCO
State: CA
Country:
Zip Code: 94080
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 432 N CANAL ST
City: S SAN FRANCISCO
State: CA
Country:
Zip Code: 94080
Phone:

Affil Type Desc: Parent Corporation
Entity Name: LUNARDIS FOODS MARKET #8
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

21	1 of 2	WNW	0.07 / 386.72	20.03 / -1	ROOST, KENNETH M.D. 1828 EL CAMINO BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026333

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

21	2 of 2	WNW	0.07 / 386.72	20.03 / -1	ROOST, KENNETH M.D. 1828 EL CAMINO BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026333
Record ID: PR0038020

Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Status:		ACTIVE				
Program Element:		TIER 1 SQG REGISTRATION				
Curr Insp:						
Strt No:		1828				
Strt Addr:		EL CAMINO				
22	1 of 18	WSW	0.08 / 407.52	32.10 / 11	KUBIN, ROBERT H., M.D. 1515 TROUSDALE BURLINGAME CA 940104515	CUPA SANMATEO
Facility ID:		FA0026358				
Detail(s)						
Program Category:		MEDICAL WASTE				
Billing Status:		Inactive, non-billable				
Program Element:		SQG OFF-SITE TREATMENT (1-199 LB/MO)				
22	2 of 18	WSW	0.08 / 407.52	32.10 / 11	STONE, RICHARD D.P.M. 1515 TROUSDALE BURLINGAME CA 94010	CUPA SANMATEO
Facility ID:		FA0026220				
Detail(s)						
Program Category:		MEDICAL WASTE				
Billing Status:		Inactive, non-billable				
Program Element:		SQG OFF-SITE TREATMENT (1-199 LB/MO)				
22	3 of 18	WSW	0.08 / 407.52	32.10 / 11	SAUNDERS, ANDRIENNE M., M.D. 1515 TROUSDALE BURLINGAME CA 94010	CUPA SANMATEO
Facility ID:		FA0026335				
Detail(s)						
Program Category:		MEDICAL WASTE				
Billing Status:		Inactive, non-billable				
Program Element:		SQG OFF-SITE TREATMENT (1-199 LB/MO)				
22	4 of 18	WSW	0.08 / 407.52	32.10 / 11	HO, DONALD M., MD 1515 TROUSDALE BURLINGAME CA 94010	CUPA SANMATEO
Facility ID:		FA0026336				
Detail(s)						
Program Category:		MEDICAL WASTE				
Billing Status:		Inactive, non-billable				
Program Element:		SQG OFF-SITE TREATMENT (1-199 LB/MO)				
22	5 of 18	WSW	0.08 / 407.52	32.10 / 11	BENNER M.D., ROBERT 1515 TROUSALE BURLINGAME CA 94010	CUPA SANMATEO
Facility ID:		FA0026190				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

22	*6 of 18*	*WSW*	*0.08 / 407.52*	*32.10 / 11*	***DR RICCI CHEN*** ***1515 TROUSDALE*** ***BURLINGAME CA 94010***	***CUPA SANMATEO***

Facility ID: FA0026219

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

22	*7 of 18*	*WSW*	*0.08 / 407.52*	*32.10 / 11*	***MADANAT, NABEEL MD, INC*** ***1515 TROUSDALE*** ***BURLINGAME CA 94010***	***CUPA SANMATEO***

Facility ID: FA0026265

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

22	*8 of 18*	*WSW*	*0.08 / 407.52*	*32.10 / 11*	***PENINSULA MEDICAL BUILDING*** ***1515 TROUSDALE*** ***BURLINGAME CA 94010***	***CUPA SANMATEO***

Facility ID: FA0015016

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG COMMON STORAGE AREA FAC (1-199 LB/MO)

22	*9 of 18*	*WSW*	*0.08 / 407.52*	*32.10 / 11*	***PENINSULA MEDICAL CENTER*** ***1515 TROUSDALE*** ***BURLINGAME CA 94010***	***CUPA SANMATEO***

Facility ID: FA0028612

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

22	*10 of 18*	*WSW*	*0.08 / 407.52*	*32.10 / 11*	***KUBIN, ROBERT H., M.D.*** ***1515 TROUSDALE*** ***BURLINGAME CA 94010-4515***	***MED WST SANMATEO***

Facility ID: FA0026358

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Record ID:		PR0038064				

Details

Status:	INACTIVE
Program Element:	SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:	
Strt No:	1515
Strt Addr:	TROUSDALE

22	*11 of 18*	*WSW*	*0.08 / 407.52*	*32.10 / 11*	***BENNER M.D., ROBERT*** ***1515 TROUSALE*** ***BURLINGAME CA 94010***	***MED*** ***WST SANMATEO***

Facility ID:	FA0026190
Record ID:	PR0037782

Details

Status:	INACTIVE
Program Element:	SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:	
Strt No:	1515
Strt Addr:	TROUSALE

22	*12 of 18*	*WSW*	*0.08 / 407.52*	*32.10 / 11*	***PENINSULA MEDICAL BUILDING*** ***1515 TROUSDALE*** ***BURLINGAME CA 94010***	***MED*** ***WST SANMATEO***

Facility ID:	FA0015016
Record ID:	PR0010475

Details

Status:	INACTIVE
Program Element:	SQG COMMON STORAGE AREA FAC (1-199 LB/MO)
Curr Insp:	
Strt No:	1515
Strt Addr:	TROUSDALE

22	*13 of 18*	*WSW*	*0.08 / 407.52*	*32.10 / 11*	***STONE, RICHARD D.P.M.*** ***1515 TROUSDALE*** ***BURLINGAME CA 94010***	***MED*** ***WST SANMATEO***

Facility ID:	FA0026220
Record ID:	PR0037827

Details

Status:	INACTIVE
Program Element:	SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:	
Strt No:	1515
Strt Addr:	TROUSDALE

22	*14 of 18*	*WSW*	*0.08 / 407.52*	*32.10 / 11*	***DR RICCI CHEN*** ***1515 TROUSDALE*** ***BURLINGAME CA 94010***	***MED*** ***WST SANMATEO***

Facility ID:	FA0026219
Record ID:	PR0037826

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1515
Strt Addr: TROUSDALE

22	*15 of 18*	*WSW*	*0.08 / 407.52*	*32.10 / 11*	*HO, DONALD M., MD* *1515 TROUSDALE* *BURLINGAME CA 94010*	*MED* *WST SANMATEO*

Facility ID: FA0026336
Record ID: PR0038023

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1515
Strt Addr: TROUSDALE

22	*16 of 18*	*WSW*	*0.08 / 407.52*	*32.10 / 11*	*PENINSULA MEDICAL CENTER* *1515 TROUSDALE* *BURLINGAME CA 94010*	*MED* *WST SANMATEO*

Facility ID: FA0028612
Record ID: PR0047819

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1515
Strt Addr: TROUSDALE

22	*17 of 18*	*WSW*	*0.08 / 407.52*	*32.10 / 11*	*MADANAT, NABEEL MD, INC* *1515 TROUSDALE* *BURLINGAME CA 94010*	*MED* *WST SANMATEO*

Facility ID: FA0026265
Record ID: PR0037904

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1515
Strt Addr: TROUSDALE

22	*18 of 18*	*WSW*	*0.08 / 407.52*	*32.10 / 11*	*SAUNDERS, ANDRIENNE M., M.D.* *1515 TROUSDALE* *BURLINGAME CA 94010*	*MED* *WST SANMATEO*

Facility ID: FA0026335
Record ID: PR0038022

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1515
Strt Addr: TROUSDALE

23	*1 of 82*	*WNW*	*0.08 / 416.40*	*22.51 / 1*	***T MOBILE WEST CORP SITE ID SF03083A*** ***1828 EL CAMINO REAL*** ***BURLINGAME CA 94010***	***CUPA SANMATEO***

Facility ID: FA0045345

Detail(s)

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Inactive, non-billable
Program Element: STORES HAZ MAT <219GAL,1,999LB, 879CF

23	*2 of 82*	*WNW*	*0.08 / 416.40*	*22.51 / 1*	***SPRINT NEXTEL CELL SITE FS04XC064*** ***1828 EL CAMINO REAL*** ***BURLINGAME CA 94010***	***CUPA SANMATEO***

Facility ID: FA0044824

Detail(s)

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Inactive, non-billable
Program Element: STORES HAZ MAT <219GAL,1,999LB, 879CF

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

23	*3 of 82*	*WNW*	*0.08 / 416.40*	*22.51 / 1*	***AT & T MOBILITY -BURLINGAME 12701*** ***1828 EL CAMINO REAL*** ***BURLINGAME CA 94010***	***CUPA SANMATEO***

Facility ID: FA0044827

Detail(s)

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Inactive, non-billable
Program Element: STORES HAZ MAT <219GAL,1,999LB, 879CF

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

23	*4 of 82*	*WNW*	*0.08 / 416.40*	*22.51 / 1*	***SciBac Inc.*** ***1828 EL CAMINO REAL STE 704*** ***BURLINGAME CA 94010***	***CERS HAZ***

Site ID: 436125
Latitude: 37.595770

Longitude: -122.383500
County:

Regulated Programs

EI ID: 10759942 ***EI Description:*** Hazardous Waste Generator

EI ID: 10759942 ***EI Description:*** Chemical Storage Facilities

Evaluations

Eval Date: 10/15/2018
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 03/27/2020
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 12/28/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Stacy Townsend, stacy.townsend@scibac.com Facility is not generating hazardous waste at this time, but has opted to be in the program- anticipating ultimate generation of hazardous waste. No waste generation observed.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/28/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Stacy Townsend, stacy.townsend@scibac.com Initial submittal was 11/2/18.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Parent Corporation
Entity Name: SciBac Inc.
Entity Title:
Address:
City:
State:

Country:
Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: Jeanette Mucha
Entity Title:
Address: 1828 El Camino Real Ste 704
City: Burlingame
State: CA
Country:
Zip Code: 94010
Phone:

Affil Type Desc: Legal Owner
Entity Name: Jeanette Mucha
Entity Title:
Address: 12 Pyrola Ln
City: San Carlos
State: CA
Country: United States
Zip Code: 94070
Phone: (650) 302-7922

Affil Type Desc: Identification Signer
Entity Name: Jeanette Mucha
Entity Title: CEO
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Operator
Entity Name: Jeanette Mucha
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (650) 302-7922

Affil Type Desc: Property Owner
Entity Name: SSA HAI 1828 El Camino Real LLC
Entity Title:
Address: 220 Montgomery Street, Suite 1850
City: San Francisco
State: CA
Country: United States
Zip Code: 94104
Phone: (415) 834-1200

Affil Type Desc: Document Preparer
Entity Name: Anthony Cann
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: San Mateo County Environmental Health
Entity Title:
Address: 2000 Alameda de las Pulgas, Suite 100
City: San Mateo

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

State: CA
Country:
Zip Code: 94403
Phone: (650) 372-6200

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 1828 El Camino Real, Suite 704
City: BURLINGAME
State: CA
Country:
Zip Code: 94010
Phone:

23	5 of 82	WNW	0.08 / 416.40	22.51 / 1	BURLINGAME PACIFICA MED GRP INC 1828 EL CAMINO REAAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026143

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

23	6 of 82	WNW	0.08 / 416.40	22.51 / 1	PENINSULA SURG SPL MED GRP INC 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026318

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

23	7 of 82	WNW	0.08 / 416.40	22.51 / 1	NOBLE BITES CAFE 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0061574

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

23	8 of 82	WNW	0.08 / 416.40	22.51 / 1	LINNA GOLODRIGA DDS 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0029367

Detail(s)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG PHOTO WASTE (<100KG/MO)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

23	9 of 82	WNW	0.08 / 416.40	22.51 / 1	POWERS, DIANA C., D.D.S. 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026175

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

23	10 of 82	WNW	0.08 / 416.40	22.51 / 1	STEVEN RAIKE, DDS 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026397

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

23	11 of 82	WNW	0.08 / 416.40	22.51 / 1	DIAZ MEDICAL GROUP 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0044801

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

23	12 of 82	WNW	0.08 / 416.40	22.51 / 1	PENINSULA PROFESSIONAL CTR 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0013961

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG COMMON STORAGE AREA FAC (1-199 LB/MO)

23	13 of 82	WNW	0.08 / 416.40	22.51 / 1	WEST BAY ORTHOPAEDIC MED GRP 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID: FA0026292

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	14 of 82	WNW	0.08 / 416.40	22.51 / 1	LIN, JERRY DMD 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026376

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG PHOTO WASTE (<100KG/MO)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	15 of 82	WNW	0.08 / 416.40	22.51 / 1	SCIBAC, INC. 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0064125

Detail(s)

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Active, billable
Program Element: STORES MV FUELS OR WASTE ONLY

Program Category: MEDICAL WASTE
Billing Status: Active, billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Active, billable
Program Element: GENERATES <27 GAL/YEAR

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	16 of 82	WNW	0.08 / 416.40	22.51 / 1	DOUGLAS H MILLER, DDS 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0027750

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG PHOTO WASTE (<100KG/MO)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	17 of 82	WNW	0.08 / 416.40	22.51 / 1	JM COFFEE SHOP 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0055000

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	18 of 82	WNW	0.08 / 416.40	22.51 / 1	WONG DDS, DAVID G 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0028947

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	19 of 82	WNW	0.08 / 416.40	22.51 / 1	SHEPPARD MD, BARRY B 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026159

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	20 of 82	WNW	0.08 / 416.40	22.51 / 1	THE COFFEE COVE 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0050739

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	21 of 82	WNW	0.08 / 416.40	22.51 / 1	MELAMUD UROLOGY GROUP 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0044883

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	22 of 82	WNW	0.08 / 416.40	22.51 / 1	EVA DWONG ACUPUNCTURE 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0056440

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	23 of 82	WNW	0.08 / 416.40	22.51 / 1	PENINSULA PROFESSIONAL CENTER 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0061191

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG COMMON STORAGE AREA FAC (1-199 LB/MO)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	24 of 82	WNW	0.08 / 416.40	22.51 / 1	LABCORP 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0059948

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Active, billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	25 of 82	WNW	0.08 / 416.40	22.51 / 1	MILLIKEN, S & K CONSANI DDS MS 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026264

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	26 of 82	WNW	0.08 / 416.40	22.51 / 1	PENINSULA ENT MEDICAL GRP, INC 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0027724

Detail(s)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Program Category:		MEDICAL WASTE				
Billing Status:		Inactive, non-billable				
Program Element:		SQG OFF-SITE TREATMENT (1-199 LB/MO)				

23	27 of 82	WNW	0.08 / 416.40	22.51 / 1	GOLDSCHLAGER, ARNOLD M.D. 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026325

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

23	28 of 82	WNW	0.08 / 416.40	22.51 / 1	AITAN MELAMUD, M.D. 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0027217

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

23	29 of 82	WNW	0.08 / 416.40	22.51 / 1	BURLINGAME PODIATRY GROUP 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0027787

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

23	30 of 82	WNW	0.08 / 416.40	22.51 / 1	BURLINGAME SMILE 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0027863

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

23	31 of 82	WNW	0.08 / 416.40	22.51 / 1	VIP COFFEE 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0058071

Detail(s)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

23	32 of 82	WNW	0.08 / 416.40	22.51 / 1	GANDHI MD, RAJU 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0045019

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

23	33 of 82	WNW	0.08 / 416.40	22.51 / 1	LEONARDO CAFE 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0002182

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

23	34 of 82	WNW	0.08 / 416.40	22.51 / 1	QUEST DIAGNOSTICS 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0022595

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: LQG COMMON STORAGE AREA FAC (>200 LB/MO)

23	35 of 82	WNW	0.08 / 416.40	22.51 / 1	PENINSULA ALLERGY AND ASTHMA ASSOCIATES 1828 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0064321

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

23	36 of 82	WNW	0.08 / 416.40	22.51 / 1	CAFE RENA 1828 EL CAMINO REAL	CUPA SANMATEO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					BURLINGAME CA 94010	

Facility ID: FA0059945

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

23	***37 of 82***	***WNW***	***0.08 / 416.40***	***22.51 / 1***	***MADANAT MD, NABEEL*** ***1828 EL CAMINO REAL*** ***BURLINGAME CA 94010***	***CUPA SANMATEO***

Facility ID: FA0028784

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

23	***38 of 82***	***WNW***	***0.08 / 416.40***	***22.51 / 1***	***SANDYS COFFEE HOUSE*** ***1828 EL CAMINO REAL*** ***BURLINGAME CA 94010***	***CUPA SANMATEO***

Facility ID: FA0055083

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

23	***39 of 82***	***WNW***	***0.08 / 416.40***	***22.51 / 1***	***PENINSULA WOMEN HEALTH, INC*** ***1828 EL CAMINO REAL*** ***BURLINGAME CA 94010***	***CUPA SANMATEO***

Facility ID: FA0027714

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

23	***40 of 82***	***WNW***	***0.08 / 416.40***	***22.51 / 1***	***MADANAT MD, NABEEL*** ***1828 EL CAMINO REAL*** ***BURLINGAME CA 94010***	***CUPA SANMATEO***

Facility ID: FA0028785

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	41 of 82	WNW	0.08 / 416.40	22.51 / 1	LINNA GOLODRIGA DDS 1828 EL CAMINO REAL STE 607 BURLINGAME CA 94010-3120	RCRA NON GEN

EPA Handler ID: CAL000366202
Gen Status Universe: No Report
Contact Name: JOANNE MUNOZ
Contact Address: 1828 EL CAMINO REAL STE 607 , , BURLINGAME , CA, 94010 ,
Contact Phone No and Ext: 650-697-1711
Contact Email: INFO@BURLINGAMEDENTIST.COM
Contact Country:
County Name: SAN MATEO
EPA Region: 09
Land Type:
Receive Date: 20110729
Location Latitude: 37.595992
Location Longitude: -122.384433

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20110729
Handler Name: LINNA GOLODRIGA DDS
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: JOANNE MUNOZ
Date Became Current:
Date Ended Current:
Phone: 650-697-1711
Source Type: Implementer
Street No:
Street 1: 1828 EL CAMINO REAL STE 607
Street 2:
City: BURLINGAME
State: CA
Country:
Zip Code: 94010

Owner/Operator Ind: Current Owner
Type: Other
Name: LINNA GOLODRIGA DDS
Street No:
Street 1: 1828 EL CAMINO REAL STE 607
Street 2:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date Became Current:		**City:**	BURLINGAME
Date Ended Current:		**State:**	CA
Phone:	650-697-1711	**Country:**	
Source Type:	Implementer	**Zip Code:**	94010-3120

23	42 of 82	WNW	0.08 / 416.40	22.51 / 1	JERRY LIN, DMD 1828 EL CAMINO REAL, RM. 803 BURLINGAME CA 94010-0000	RCRA NON GEN

EPA Handler ID:	CAL000140960
Gen Status Universe:	No Report
Contact Name:	JERRY LIN, DMD
Contact Address:	1828 EL CAMINO REAL STE 803 , , BURLINGAME , CA, 94010 ,
Contact Phone No and Ext:	650-692-2131
Contact Email:	DRJERRYLIN@ATT.NET
Contact Country:	
County Name:	SAN MATEO
EPA Region:	09
Land Type:	
Receive Date:	19940509
Location Latitude:	37.595992
Location Longitude:	-122.384433

Violation/Evaluation Summary

Note:	NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19940509
Handler Name:	JERRY LIN, DMD
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	1828 EL CAMINO REAL STE 803
Name:	JERRY LIN, DMD	**Street 2:**	
Date Became Current:		**City:**	BURLINGAME
Date Ended Current:		**State:**	CA
Phone:	650-692-2131	**Country:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Source Type:	Implementer	**Zip Code:**	94010
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1828 EL CAMINO REAL STE 803
Name:	JERRY LIN	**Street 2:**	
Date Became Current:		**City:**	BURLINGAME
Date Ended Current:		**State:**	CA
Phone:	650-692-2131	**Country:**	
Source Type:	Implementer	**Zip Code:**	94010-3124

23	43 of 82	WNW	0.08 / 416.40	22.51 / 1	**SCIBAC INC** **1828 EL CAMINO REAL STE 704** **BURLINGAME CA 94010**	**RCRA NON GEN**

EPA Handler ID:	CAL000436004
Gen Status Universe:	No Report
Contact Name:	STACY TOWNSEND
Contact Address:	1828 EL CAMINO REAL STE 704 , , BURLINGAME , CA, 94010 ,
Contact Phone No and Ext:	650-689-5343
Contact Email:	STACY.TOWNSEND@SCIBAC.COM
Contact Country:	
County Name:	SAN MATEO
EPA Region:	09
Land Type:	
Receive Date:	20180510
Location Latitude:	37.595992
Location Longitude:	-122.384433

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20180510
Handler Name:	SCIBAC INC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator **Street No:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Type:	Other	**Street 1:**	1828 EL CAMINO REAL STE 704
Name:	STACY TOWNSEND	**Street 2:**	
Date Became Current:		**City:**	BURLINGAME
Date Ended Current:		**State:**	CA
Phone:	650-689-5343	**Country:**	
Source Type:	Implementer	**Zip Code:**	94010
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1828 EL CAMINO REAL STE 704
Name:	JEANETTE MUCHA	**Street 2:**	
Date Became Current:		**City:**	BURLINGAME
Date Ended Current:		**State:**	CA
Phone:	650-239-9133	**Country:**	
Source Type:	Implementer	**Zip Code:**	94010

23	44 of 82	WNW	0.08 / 416.40	22.51 / 1	NEPTUNE MEDICAL 1828 EL CAMINO REAL STE 508 BURLINGAME CA 94010	RCRA NON GEN

EPA Handler ID:	CAL000443473
Gen Status Universe:	No Report
Contact Name:	ADAM WIGGINTON
Contact Address:	1828 EL CAMINO REAL STE 508 , , BURLINGAME , CA, 94010 ,
Contact Phone No and Ext:	408-598-6386
Contact Email:	ADAM@NETUNEMEDICAL.COM
Contact Country:	
County Name:	SAN MATEO
EPA Region:	09
Land Type:	
Receive Date:	20190212
Location Latitude:	37.595992
Location Longitude:	-122.384433

Violation/Evaluation Summary

Note:	NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190212
Handler Name:	NEPTUNE MEDICAL
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1828 EL CAMINO REAL STE 508
Name:	NEPTUNE MEDICAL	***Street 2:***	
Date Became Current:		***City:***	BURLINGAME
Date Ended Current:		***State:***	CA
Phone:	650-307-2176	***Country:***	
Source Type:	Implementer	***Zip Code:***	94010

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1828 EL CAMINO REAL STE 508
Name:	ADAM WIGGINTON	***Street 2:***	
Date Became Current:		***City:***	BURLINGAME
Date Ended Current:		***State:***	CA
Phone:	408-598-6386	***Country:***	
Source Type:	Implementer	***Zip Code:***	94010

23	***45 of 82***	***WNW***	***0.08 / 416.40***	***22.51 / 1***	***HALO LABS*** ***1828 EL CAMINO REAL*** ***BURLINGAME CA 94010***	***CUPA*** ***SANMATEO***

Facility ID: FA0066518

Detail(s)

Program Category:	MEDICAL WASTE
Billing Status:	Active, billable
Program Element:	SQG OFF-SITE TREATMENT (1-199 LB/MO)

23	***46 of 82***	***WNW***	***0.08 / 416.40***	***22.51 / 1***	***RESPIRA THERAPEUTICS*** ***1828 EL CAMINO REAL STE 806*** ***BURLINGAME CA 94010***	***RCRA NON GEN***

EPA Handler ID:	CAL000444533
Gen Status Universe:	No Report
Contact Name:	TOM TARARA
Contact Address:	1828 EL CAMINO REAL STE 806 , , BURLINGAME , CA, 94010 , US
Contact Phone No and Ext:	650-228-8730
Contact Email:	TTARARA@CYSTETICMEDICINES.COM
Contact Country:	US
County Name:	SAN MATEO
EPA Region:	09
Land Type:	
Receive Date:	20210204
Location Latitude:	37.595992
Location Longitude:	-122.384433

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No

Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190319
Handler Name:	RESPIRA THERAPEUTICS
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20210204
Handler Name:	RESPIRA THERAPEUTICS
Source Type:	Deactivation
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	5901 INDIAN SCHOOL RD NE
Name:	ROBERT CURTIS	**Street 2:**	
Date Became Current:		**City:**	ALBUQUERQUE
Date Ended Current:		**State:**	NM
Phone:	650-388-8222	**Country:**	US
Source Type:	Deactivation	**Zip Code:**	87110

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	5901 INDIAN SCHOOL RD NE
Name:	ROBERT CURTIS	**Street 2:**	
Date Became Current:		**City:**	ALBUQUERQUE
Date Ended Current:		**State:**	NM
Phone:	650-388-8222	**Country:**	US
Source Type:	Deactivation	**Zip Code:**	87110

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	1828 EL CAMINO REAL STE 806
Name:	TOM TARARA	**Street 2:**	
Date Became Current:		**City:**	BURLINGAME
Date Ended Current:		**State:**	CA
Phone:	650-228-8730	**Country:**	
Source Type:	Implementer	**Zip Code:**	94010

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	5901 INDIAN SCHOOL RD NE
Name:	ROBERT CURTIS	**Street 2:**	
Date Became Current:		**City:**	ALBUQUERQUE
Date Ended Current:		**State:**	NM
Phone:	650-388-8222	**Country:**	
Source Type:	Implementer	**Zip Code:**	87110

Historical Handler Details

Receive Dt:	20190319
Generator Code Description:	Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Handler Name:		RESPIRA THERAPEUTICS				
23	47 of 82	WNW	0.08 / 416.40	22.51 / 1	OPTOFLUIDICS INC DBA HALO LABS 1828 EL CAMINO REAL STE 703 BURLINGAME CA 94010	RCRA NON GEN

EPA Handler ID: CAL000446823
Gen Status Universe: No Report
Contact Name: PAUL DAVY
Contact Address: 1828 EL CAMINO REAL STE 703 , , BURLINGAME , CA, 94010 ,
Contact Phone No and Ext: 415-592-4015
Contact Email: PAUL.DAVY@HALOLABS.COM
Contact Country:
County Name: SAN MATEO
EPA Region: 09
Land Type:
Receive Date: 20190621
Location Latitude: 37.595992
Location Longitude: -122.384433

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20190621
Handler Name: OPTOFLUIDICS INC DBA HALO LABS
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: OPTOFLUIDICS INC DBA HALO LABS
Date Became Current:
Date Ended Current:
Phone: 650-619-3968
Source Type: Implementer
Street No:
Street 1: 1828 EL CAMINO REAL STE 703
Street 2:
City: BURLINGAME
State: CA
Country:
Zip Code: 94010

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	1828 EL CAMINO REAL STE 703
Name:	PAUL DAVY	**Street 2:**	
Date Became Current:		**City:**	BURLINGAME
Date Ended Current:		**State:**	CA
Phone:	415-592-4015	**Country:**	
Source Type:	Implementer	**Zip Code:**	94010

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	48 of 82	WNW	0.08 / 416.40	22.51 / 1	SFO46 1828 EL CAMINO REAL BURLINGAME CA 94010	CERS HAZ

Site ID:	571746
Latitude:	37.595772
Longitude:	-122.383507
County:	

Regulated Programs

EI ID:	10861981	**EI Description:**	Chemical Storage Facilities
EI ID:	10861981	**EI Description:**	Hazardous Waste Generator

Affiliations

Affil Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	
Address:	1828 El Camino Real
City:	Burlingame
State:	CA
Country:	
Zip Code:	94010
Phone:	

Affil Type Desc:	Environmental Contact
Entity Name:	joe li
Entity Title:	
Address:	1100 enterprise way
City:	Sunnyvale
State:	CA
Country:	
Zip Code:	94089
Phone:	

Affil Type Desc:	CUPA District
Entity Name:	San Mateo County Environmental Health
Entity Title:	
Address:	2000 Alameda de las Pulgas, Suite 100
City:	San Mateo
State:	CA
Country:	
Zip Code:	94403
Phone:	(650) 372-6200

Affil Type Desc:	Legal Owner
Entity Name:	Amazon.com Services LLC
Entity Title:	
Address:	1100 enterprise way
City:	Sunnyvale
State:	CA
Country:	United States
Zip Code:	94089
Phone:	(650) 426-1100

Affil Type Desc:	Parent Corporation

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Entity Name: Amazon Lab126
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Operator
Entity Name: joe li
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (408) 618-9689

Affil Type Desc: Property Owner
Entity Name: SSA HAI 1828 El Camino LLC
Entity Title:
Address: 220 Montgomery Street, Suite 1850
City: San Francisco
State: CA
Country: United States
Zip Code: 94104
Phone: (415) 834-1200

Affil Type Desc: Document Preparer
Entity Name: Joe Li
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Identification Signer
Entity Name: Joe Li
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Coordinates

Env Int Type Code: HWG
Program ID: 10861981
Latitude: 37.595630
Longitude: -122.383670
Coord Name:
Ref Point Type Desc: Center of a facility or station.

23	49 of 82	WNW	0.08 / 416.40	22.51 / 1	AT & T MOBILITY -BURLINGAME 12701 1828 EL CAMINO REAL BURLINGAME CA 94010	CERS HAZ

Site ID: 569497
Latitude: 37.595779
Longitude: -122.383520
County:

Regulated Programs

EI ID: 10071277 **EI Description:** Chemical Storage Facilities

Affiliations

Affil Type Desc: Parent Corporation
Entity Name: AT&T Mobility
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: San Mateo County Environmental Health
Entity Title:
Address: 2000 Alameda de las Pulgas, Suite 100
City: San Mateo
State: CA
Country:
Zip Code: 94403
Phone: (650) 372-6200

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 308 S. Akard St., 17th Floor
City: Dallas
State: TX
Country:
Zip Code: 75202
Phone:

Affil Type Desc: Legal Owner
Entity Name: New Cingular Wireless PCS, LLC dba AT&T Mobility
Entity Title:
Address: 308 S. Akard St., 17th Floor
City: Dallas
State: TX
Country: United States
Zip Code: 75202
Phone: (214) 464-1712

Affil Type Desc: Identification Signer
Entity Name: Jeremy McGrue
Entity Title: National EPCRA Manager
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: Jeremy McGrue
Entity Title:
Address: 308 S. Akard St., 17th Floor
City: Dallas
State: TX
Country:
Zip Code: 75202
Phone:

Affil Type Desc: Operator
Entity Name: AT&T Mobility
Entity Title:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Address:
City:
State:
Country:
Zip Code:
Phone: (800) 566-9347

Affil Type Desc: Document Preparer
Entity Name: Peter Burnell, Sigma Consultants, Inc.
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

23	50 of 82	WNW	0.08 / 416.40	22.51 / 1	SFO46 1828 EL CAMINO REAL BURLINGAME CA 94010	RCRA SQG

EPA Handler ID: CAR000317578
Gen Status Universe: Small Quantity Generator
Contact Name: JOE LI
Contact Address: 1100 , ENTERPRISE WAY , , SUNNYVALE , CA, 94089 , US
Contact Phone No and Ext: 408-618-9689
Contact Email: LIJOE@AMAZON.COM
Contact Country: US
County Name: SAN MATEO
EPA Region: 09
Land Type: Private
Receive Date: 20210104
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20210104
Handler Name: SFO46
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: SSA HAI 1828 EL CAMINO LLC
Date Became Current:
Date Ended Current:
Phone:
Source Type: Notification

Street No: 220
Street 1: MONTGOMERY STREET
Street 2: SUITE 1850
City: SAN FRANCISCO
State: CA
Country: US
Zip Code: 94104

Owner/Operator Ind: Current Operator
Type: Private
Name: AMAZON.COM SERVICES LLC
Date Became Current:
Date Ended Current:
Phone:
Source Type: Notification

Street No: 1100
Street 1: ENTERPRISE WAY
Street 2:
City: SUNNYVALE
State: CA
Country: US
Zip Code: 94089

23	51 of 82	WNW	0.08 / 416.40	22.51 / 1	BURLINGAME PACIFICA MED GRP INC 1828 EL CAMINO REAAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026143
Record ID: PR0037706

Details

Status: ACTIVE
Program Element: TIER 1 SQG REGISTRATION
Curr Insp: 8/8/2015
Strt No: 1828
Strt Addr: EL CAMINO REAAL

23	52 of 82	WNW	0.08 / 416.40	22.51 / 1	STEVEN RAIKE, DDS 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026397
Record ID: PR0038236

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	53 of 82	WNW	0.08 / 416.40	22.51 / 1	LABCORP 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0059948
Record ID: PR0082369

Details

Status: ACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp: 4/10/2020
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	54 of 82	WNW	0.08 / 416.40	22.51 / 1	GANDHI MD, RAJU 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0045019
Record ID: PR0057286

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	55 of 82	WNW	0.08 / 416.40	22.51 / 1	POWERS, DIANA C., D.D.S. 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026175
Record ID: PR0037761

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	56 of 82	WNW	0.08 / 416.40	22.51 / 1	PENINSULA PROFESSIONAL CTR 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0013961
Record ID: PR0010499

Details

Status: INACTIVE
Program Element: SQG COMMON STORAGE AREA FAC (1-199 LB/MO)
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	57 of 82	WNW	0.08 / 416.40	22.51 / 1	SHEPPARD MD, BARRY B 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026159
Record ID: PR0037730

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	58 of 82	WNW	0.08 / 416.40	22.51 / 1	PENINSULA SURG SPL MED GRP INC 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026318
Record ID: PR0037996

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	59 of 82	WNW	0.08 / 416.40	22.51 / 1	LIN, JERRY DMD 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026376
Record ID: PR0050797

Details

Status: INACTIVE
Program Element: SQG PHOTO WASTE (<100KG/MO)
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	60 of 82	WNW	0.08 / 416.40	22.51 / 1	WONG DDS, DAVID G 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0028947
Record ID: PR0048865

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	61 of 82	WNW	0.08 / 416.40	22.51 / 1	LINNA GOLODRIGA DDS 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0029367
Record ID: PR0056746

Details

Status: INACTIVE
Program Element: SQG PHOTO WASTE (<100KG/MO)
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	62 of 82	WNW	0.08 / 416.40	22.51 / 1	DOUGLAS H MILLER, DDS 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0027750
Record ID: PR0050976

Details

Status: INACTIVE
Program Element: SQG PHOTO WASTE (<100KG/MO)
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	63 of 82	WNW	0.08 / 416.40	22.51 / 1	MADANAT MD, NABEEL 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0028785
Record ID: PR0048337

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	64 of 82	WNW	0.08 / 416.40	22.51 / 1	HALO LABS 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0066518
Record ID: PR0089652

Details

Status: ACTIVE
Program Element: MEDICAL WASTE MANAGEMENT - GENERAL
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	65 of 82	WNW	0.08 / 416.40	22.51 / 1	QUEST DIAGNOSTICS 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0022595
Record ID: PR0024952

Details

Status: INACTIVE
Program Element: LQG COMMON STORAGE AREA FAC (>200 LB/MO)
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	66 of 82	WNW	0.08 / 416.40	22.51 / 1	MELAMUD UROLOGY GROUP 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0044883
Record ID: PR0057084

Details

Status: ACTIVE
Program Element: TIER 1 SQG REGISTRATION
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	67 of 82	WNW	0.08 / 416.40	22.51 / 1	PENINSULA PROFESSIONAL CENTER 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0061191
Record ID: PR0083886

Details

Status: INACTIVE
Program Element: SQG COMMON STORAGE AREA FAC (1-199 LB/MO)
Curr Insp: 12/22/2018
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	68 of 82	WNW	0.08 / 416.40	22.51 / 1	HALO LABS 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0066518
Record ID: PR0089652

Details

Status: ACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	69 of 82	WNW	0.08 / 416.40	22.51 / 1	MILLIKEN, S & K CONSANI DDS MS 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026264
Record ID: PR0037903

Details

Status: ACTIVE
Program Element: TIER 1 SQG REGISTRATION
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	70 of 82	WNW	0.08 / 416.40	22.51 / 1	PENINSULA WOMEN HEALTH, INC 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0027714
Record ID: PR0044749

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	71 of 82	WNW	0.08 / 416.40	22.51 / 1	EVA DWONG ACUPUNCTURE 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0056440
Record ID: PR0077738

Details

Status: ACTIVE
Program Element: TIER 1 SQG REGISTRATION
Curr Insp: 8/14/2016
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	72 of 82	WNW	0.08 / 416.40	22.51 / 1	PENINSULA ALLERGY AND ASTHMA ASSOCIATES 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0064321
Record ID: PR0087167

Details

Status: ACTIVE
Program Element: TIER 1 SQG REGISTRATION
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	73 of 82	WNW	0.08 / 416.40	22.51 / 1	WEST BAY ORTHOPAEDIC MED GRP 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026292
Record ID: PR0037957

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	74 of 82	WNW	0.08 / 416.40	22.51 / 1	GOLDSCHLAGER, ARNOLD M.D. 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026325
Record ID: PR0038008

Details

Status: INACTIVE
Program Element: TIER 1 SQG REGISTRATION
Curr Insp: 7/23/2015
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	75 of 82	WNW	0.08 / 416.40	22.51 / 1	AITAN MELAMUD, M.D. 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0027217
Record ID: PR0042976

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	76 of 82	WNW	0.08 / 416.40	22.51 / 1	BURLINGAME SMILE 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0027863
Record ID: PR0045045

Details

Status: ACTIVE
Program Element: TIER 1 SQG REGISTRATION
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	77 of 82	WNW	0.08 / 416.40	22.51 / 1	MADANAT MD, NABEEL 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0028784
Record ID: PR0048332

Details

Status: ACTIVE
Program Element: TIER 1 SQG REGISTRATION
Curr Insp: 7/19/2015
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	78 of 82	WNW	0.08 / 416.40	22.51 / 1	SCIBAC INC. 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0064125
Record ID: PR0086971

Details

Status: ACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	79 of 82	WNW	0.08 / 416.40	22.51 / 1	PENINSULA ENT MEDICAL GRP, INC 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0027724
Record ID: PR0044763

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp: 8/11/2017
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	80 of 82	WNW	0.08 / 416.40	22.51 / 1	BURLINGAME PODIATRY GROUP 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0027787
Record ID: PR0044884

Details

Status: ACTIVE
Program Element: TIER 1 SQG REGISTRATION
Curr Insp: 7/23/2015
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	81 of 82	WNW	0.08 / 416.40	22.51 / 1	DIAZ MEDICAL GROUP 1828 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0044801
Record ID: PR0056913

Details

Status: INACTIVE
Program Element: TIER 1 SQG REGISTRATION
Curr Insp: 8/8/2015
Strt No: 1828
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	82 of 82	WNW	0.08 / 416.40	22.51 / 1	CYSTETIC MEDICINES INC 1828 EL CAMINO REAL #806 BURLINGAME CA 94010	RCRA NON GEN

EPA Handler ID: CAL000459240
Gen Status Universe: No Report
Contact Name: THOMAS TARARA
Contact Address: 1828 EL CAMINO REAL #806 , , BURLINGAME , CA, 94010 ,
Contact Phone No and Ext: 650-228-8730
Contact Email: TTARARA@CYSTETICMEDICINES.COM
Contact Country:
County Name: SAN MATEO
EPA Region: 09
Land Type:
Receive Date: 20210106
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20210106
Handler Name: CYSTETIC MEDICINES INC
Source Type: Implementer

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	780 3RD AVE 37TH FLR
Name:	DEERFIELD MANAGEMENT COMPANY LP	**Street 2:**	
Date Became Current:		**City:**	NEW YORK
Date Ended Current:		**State:**	NY
Phone:	212-551-1600	**Country:**	
Source Type:	Implementer	**Zip Code:**	10017

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	1828 EL CAMINO REAL #806
Name:	THOMAS TARARA	**Street 2:**	
Date Became Current:		**City:**	BURLINGAME
Date Ended Current:		**State:**	CA
Phone:	650-228-8730	**Country:**	
Source Type:	Implementer	**Zip Code:**	94010

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	1 of 17	S	0.09 / 458.84	35.84 / 15	MILLS PENINSULA HEALTH SVCS 1501 TROUSDALE BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0037693

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Program Category: UNDERGROUND TANK PROGRAM
Billing Status: Active, billable
Program Element: UNDERGROUND TANK - GENERAL

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Active, billable
Program Element: GENERATES & RECYCLES WASTE OIL/SOLVENT

Program Category: MEDICAL WASTE
Billing Status: Active, billable
Program Element: LQG COMMON STORAGE AREA FAC (>200 LB/MO)

Program Category: MEDICAL WASTE
Billing Status: Active, billable
Program Element: LQG OFF-SITE & ON-SITE TREATMENT >200 LB/MO

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Active, billable
Program Element: STORES MV FUELS OR WASTE ONLY

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG COMMON STORAGE AREA FAC (1-199 LB/MO)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	2 of 17	S	0.09 / 458.84	35.84 / 15	PENINSULA MEDICAL CENTER 1501 TROUSDALE BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0017983

Detail(s)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Inactive, non-billable
Program Element: STORES HAZ MAT <219GAL,1,999LB, 879CF

Program Category: ABOVE GROUND PETROLEUM STORAGE (AST)
Billing Status: Inactive, non-billable
Program Element: TIER I: TANK STOR CAP =>1,320 & <5,000 GAL

Program Category: CONDITIONALLY EXEMPT (CE)
Billing Status: Inactive, non-billable
Program Element: COND EXEMPT - SPECIAL WASTES

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Inactive, non-billable
Program Element: GENERATES & RECYCLES WASTE OIL/SOLVENT

Program Category: UNDERGROUND TANK PROGRAM
Billing Status: Inactive, non-billable
Program Element: UNDERGROUND TANK - GENERAL

Program Category: CONDITIONALLY EXEMPT (CE)
Billing Status: Inactive, non-billable
Program Element: COND EXEMPT - SPECIAL WASTES

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Program Category: CONDITIONALLY EXEMPT (CE)
Billing Status: Inactive, non-billable
Program Element: COND EXEMPT - SPECIAL WASTES

24	3 of 17	S	0.09 / 458.84	35.84 / 15	MILLS PENINSULA HEALTH SVCS 1501 TROUSDALE DR BURLINGAME CA 94010	CERS TANK

Site ID: 49215
Latitude: 37.592830
Longitude: -122.382490

Regulated Programs

EI ID: 10340722
EI Description: Underground Storage Tank

EI ID: 10340722
EI Description: Chemical Storage Facilities

EI ID: 10340722
EI Description: Hazardous Waste Generator

Violations

Violation Date: 09/26/2013
Violation Source: CERS
Violation Program: UST
Violation Division: San Mateo County Environmental Health
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Notes:

Returned to compliance on 09/24/2014. L-2 Annular space sensor in the STP Sump did not go into alarm. Replace and retest.

Violation Description:

Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.

Violations

Violation Date: 01/02/2020 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 01/05/2021. Revise your Map as necessary to show the location of the water treatment chemicals.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 09/23/2019 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Notes:

Returned to compliance on 10/14/2019. The following items in the online submission must be updated. Website: http://ehesubmit.smchealth.org/ - BOE: Listed as 0000 on the most recent submission. Tank Information page: - Riser secondary containment should be listed as fiberglass. - Provide the corrosion protection. This is generally going to be isolation unless you believe the other options apply. Monitoring Plan: - Please review and update the sensor model number for the piping if applicable. Listed as 852780-100. - Update line leak detector section upon install of your new equipment. Response plan / monitoring plan: Update the "personnel with responsibilities" section. Also remove Barron Green from multiple pages during update. Update and correct the forms. Submit the corrections to Env. Health within 30 days.

Violation Description:

Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.

Violations

Violation Date: 01/02/2020 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Notes:

Returned to compliance on 01/05/2021. Provide notification to the property owner and submit a copy of the letter to the inspector.

Violation Description:

Failure to notify property owner in writing that the business is subject to the business plan program and has complied with its provisions.

Violations

Violation Date: 09/17/2018 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Notes:

Returned to compliance on 12/18/2019. OBSERVED: Effective October 2018 (next month), all pressurized piping must have a line leak detector. The boiler piping will need to stop product flow (electronic line leak detector) and the emergency generator piping will need to trigger an audible/visible alarm. REQUIRED ACTION: Obtain a permit and install the appropriate line leak detectors. Schedule the field work and verification testing with me.

Violation Description:

Failure to install a line leak detector (LLD).

Violations

Violation Date: 09/23/2019 ***Violation Source:*** CERS

Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Notes:

Returned to compliance on 11/20/2020. No plot plan submitted on the portal. Website: https://ehesubmit.smchealth.org/ REQUIRED ACTION: Submit the updated plot plan to Env. Health within 30 days.

Violation Description:

Failure to submit or maintain a current facility plot plan.

Violations

Violation Date: 09/23/2019 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Notes:

Returned to compliance on 12/19/2019. Line leak detector installs are in progress and are tentatively scheduled to be completed by mid-October. These issues were cited 10/2018. Submit evidence of correction to Env. Health within 30 days.

Violation Description:

Failure to implement the corrections specified in the inspection report within 30 days of receiving an inspection report from either the UPA or special inspector.

Violations

Violation Date: 05/17/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Notes:

Returned to compliance on 03/15/2019. This is the same issue that I recorded as a violation under the Inspector Comment line in the 09/23/16 inspection. However, the Inspector Comment violation does not show in my violation tracking. OBSERVATION: This work is mostly done; however, a monitoring sensor still needs to be installed. Secondary containment monitoring must be able to detect a leak at the earliest opportunity. The secondary containment for the single-walled portion of the boiler fuel oil supply and return piping has approximately 1200 gallons of capacity. Please create a low barrier within the secondary containment, closer to where secondary containment piping drains into the bermed containment area and have an ICC-certified contractor relocate the sensor closer inside this area to detect a release sooner. REQUIRED ACTION: A permit is required for the sensor to be installed. Please submit a permit application.

Violation Description:

Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.

Violations

Violation Date: 09/23/2019 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)
Violation Notes:

Returned to compliance on 10/14/2019. No "UST Statement of Understanding and Compliance" form submitted on the portal. Website: https: //ehesubmit.smchealth.org/ REQUIRED ACTION: Submit the form listed above to Env. Health using the portal website within 30 days.

Violation Description:

Failure to submit the "Underground Storage Tank Statement of Understanding and Compliance Form."

Violations

Violation Date: 09/23/2019 ***Violation Source:*** CERS

Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)
Violation Notes:

Returned to compliance on 10/19/2019. No DO identification form submitted on the portal. Website: https://ehesubmit.smchealth.org/ REQUIRED ACTION: Submit DO form to Env. Health using the portal website within 30 days.

Violation Description:

Failure to submit the "Designated Underground Storage Tank Operator Identification Form" within 30 days of installing a UST system or within 30 days of a change in DO.

Violations

Violation Date: 09/23/2016 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Notes:

Current financial responsibility needs to be uploaded electronically into the County's Portal.

Violation Description:

Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violations

Violation Date: 01/02/2020 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 01/05/2021. Four types of water treatment chemicals are used. These are in 5 gal containers and in tanks. The aggregate of each exceeded the HMBP reporting quantities. Add this chemical to the CERS chemical inventory.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 09/23/2019 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Notes:

Returned to compliance on 10/21/2019. The following documents were missing from the binder. - Nov. 12 th S3 alarm. No monthly inspection report. No work order. provide copy of inspection and work order on site. - Note the install and alarm for new sensor (4/1/19 DO report). Provide the monitoring certification document in the binder for that sensor install. - S4 alarm 1/21/19 - Keep record of the response to the alarm. No record could be located, the sensor worked when tested today. - Training record from 2/2019 not in the binder. Submit a response to Env. Health about how those records are now filed on site within 30 days.

Violation Description:

Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.

Violations

Violation Date: 09/23/2016 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

Violation Notes:

Review your UST monitoring plan to ensure that the issues with LG 113 approved sensors/monitors is resolved and revise your monitoring plan as necessary. The UST monitoring plan must be submitted electronically; however, you also need to keep an up to date copy on-site (paper or electronic).

Violation Description:

Failure to have a UST Monitoring Plan available on site.

Violations

Violation Date: 09/17/2018 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Notes:

Returned to compliance on 12/18/2019. See above.

Violation Description:

Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 p.s.i.g. and restrict or shut off the flow of product through the piping when a leak is detected.

Violations

Violation Date: 09/17/2018 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Notes:

Returned to compliance on 03/15/2019. OBSERVED: Diesel fuel was observed in the piping transition sump. Diesel fuel was observed in this sump in September 2017 also. REQUIRED ACTION: Clean out the sump and test to identify the leak source. Notify me prior to testing so I can observe. It may be helpful to get the sump dry and lay down clean absorbent and turn on each dispenser (and allow for product return) to identify initial area(s) of concern. A piping integrity test appears to be necessary.

Violation Description:

Failure to maintain secondary containment (e.g., failure of secondary containment testing).

Violations

Violation Date: 09/21/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 09/21/2015. Evaluate all hazardous materials throughout the hospital. All chemicals that are stored above 55 gallons, 500 pounds, or 200 cubic feet (compressed gases) must be reported. At a minimum, the chiller refrigerant needs to be listed on the inventory and identified on the map(s).

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 09/22/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34

Violation Notes:

Returned to compliance on 03/15/2019. Financial responsibility expired in June 2017. Please demonstrate it is renewed in the electronic portal and on-site.

Violation Description:

Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violations

Violation Date: 09/22/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Notes:

Returned to compliance on 03/15/2019. Obtain a permit and install the secondary containment sensor in the secondary containment under the hospital (smaller area created to ensure that the alarm occurs at the earliest opportunity).

Violation Description:

Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.

Violations

Violation Date: 09/21/2015 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Notes:

Returned to compliance on 09/21/2015. Cotter pin for the secondary containment brine for the turbine 3 and 4 sump came out and the float was not properly attached. TEC replaced the cotter pin and the sensor worked as designed.

Violation Description:

Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.

Violations

Violation Date: 03/06/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 07/15/2019. OBSERVATION: Facility permit has not been paid. It appears that this may be a result of Khobe Griffin still being listed as the billing contact in the HMBP, but he has not been at the hospital for approximately one year. Any changes in personnel in the HMBP must be updated within 30 days of the change of information. REQUIRED ACTION: Revise the HMBP to reflect all relevant contacts and resubmit. Demonstrate that the permit fee has been paid.

Violation Description:

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violations

Violation Date: 09/22/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.7 25290.1(c)(3), 25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Notes:

Returned to compliance on 09/22/2017. Diesel fuel was observed in the transition sump, between the USTs and the subhospital piping runs. TEC

Accutite pumped out the diesel fuel and cleaned the sump. Continue to monitor this situation and immediately investigate if the diesel fuel returns.

Violation Description:

Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003 and before July 1, 2004, or on or after July 1, 2004.

Violations

Violation Date: 09/23/2019 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2666(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(f)
Violation Notes:

Returned to compliance on 12/19/2019. This was cited on the prior inspection. Installation is planned for October 2019. Submit evidence of correction to Env. Health within 30 days.

Violation Description:

Failure of the functional line leak detector (LLD) to monitor at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping or triggers a visual and audible alarm.

Violations

Violation Date: 09/17/2018 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Notes:

Returned to compliance on 03/15/2019. Continue with plans to install an additional sensor under the hospital where secondary containment piping drains to the secondary containment structure. Additional sensor should satisfy detection at the "earliest opportunity? from double-wall piping. Submit the unauthorized release report that was required to be submitted for the past diesel fuel release.

Violation Description:

Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the UPA or special inspector.

Violations

Violation Date: 09/17/2018 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Notes:

Returned to compliance on 03/15/2019. OBSERVED: Diesel fuel was observed in the piping transition sump. Diesel fuel was observed in this sump in September 2017 also. REQUIRED ACTION: Clean out the sump and test to identify the leak source. Notify me prior to testing so I can observe. It may be helpful to get the sump dry and lay down clean absorbent and turn on each dispenser (and allow for product return) to identify initial area(s) of concern.

Violation Description:

Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.

Violations

Violation Date: 09/22/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.7 25294 - California Health and Safety Code, Chapter 6.7, Section(s) 25294
Violation Notes:

Returned to compliance on 03/15/2019. The Boiler UST had diesel fuel in the submerged turbine pump (STP) sump on February 21, 2017. The County was notified by email on February 23, 2017. However, all of the required elements of unauthorized release reporting have been requested and not received. Please address the unauthorized release reporting requirement identified in my May 22, 2017 email.

Violation Description:

Failure to record any unauthorized release from the primary containment.

Violations

Violation Date: 09/17/2018 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.7 25291(a)(1) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(a)(1)
Violation Notes:

Returned to compliance on 03/15/2019. OBSERVED: Diesel fuel was observed in the piping transition sump. Diesel fuel was observed in this sump in September 2017 also. REQUIRED ACTION: Clean out the sump and test to identify the leak source. Notify me prior to testing so I can observe. It may be helpful to get the sump dry and lay down clean absorbent and turn on each dispenser (and allow for product return) to identify initial area(s) of concern. Demonstrate that the primary and secondary piping is tight.

Violation Description:

Failure to construct, operate, and maintain primary containment as product-tight.

Violations

Violation Date: 09/23/2019 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Notes:

Returned to compliance on 10/21/2019. A copy of the monitoring plan could not be located on site. Please submit to Env. Health where that information will be kept on site.

Violation Description:

Failure to have current UST Monitoring Plan available on site.

Violations

Violation Date: 09/23/2019 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Notes:

Returned to compliance on 12/19/2019. A small amount of fluid was observed in the cup for the S3 and S4 sensors. The piping sump contained a small amount of water but not enough to set off the sensor. This sump was too deep for the technician to remove the water during the inspection. Remove this water and replace the seal to this are to prevent water intrusion.

Violation Description:

Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.

Violations

Violation Date: 09/17/2018 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Notes:

Returned to compliance on 03/15/2019. OBSERVED: Pipe transition sump Brine sensor (L11) did not alarm. REQUIRED ACTION: Repair the sensor

and reschedule to confirm communication and proper operation.

Violation Description:

Failure of the leak detection equipment to have an audible and visual alarm as required.

Enforcements

Enf Action Date: 08/19/2019 ***Enf Action Program:*** UST
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Mateo County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Certified NOV letter delivered to business Aug 21, 2019.

Enf Action Date: 09/26/2013 ***Enf Action Program:*** UST
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Mateo County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 06/06/2018 ***Enf Action Program:*** UST
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Mateo County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

NOV tracking per USPS 'Delivery attempt – return for resending' ckd 9/12/18. 10/22/18: Multiple violations open for UST program 3/4/19: 11 UST violations open More recent NOV issued.

Evaluations

Eval Date: 09/21/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 12/27/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On site to conduct a routine inspection. Jillian Thomas provided consent for the inspection. The following observations were noted: Facility generates hazardous waste and stores chemicals. Ensure hazardous waste is added to the chemical inventory if this exceed HMBP reporting quantities. Chemicals are stored in flammable cabinets and they have secondary containment. Inspections to emergency equipment is conducted at least monthly. There is an gas storage area outside the building. No evidence of spills or releases. US 800 includes waste classification, spill management is assigned to all employees annually. Code Orange includes procedures for emergency response. Employees receive an onboarding training, which includes safety information such as location of emergency equipment and evacuation procedures. Ensure all HMBP training is properly documented and provided annually to all employees.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/03/2020
Violations Found: No
Eval General Type: Other/Unknown

Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 09/21/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 03/06/2019
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Hand- delivered notice of permit revocation to Dana Ng in facilities/engineering. Talked to Puneet Gupta and he said he will take care of it. Khobe Griffin is no longer in fiscal and needs to be revised in the HMBP.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/21/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 05/22/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 09/21/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 09/21/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 09/24/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 12/18/2019
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

OBSERVED: Line leak detector (LLD) installed on emergency generator turbine and boiler turbines. The EG LLD activates an audible/visual alarm and the boiler LLD activates an audible/visual alarm and provides positive shut down. Test performed in the piping transition sump at 3.0 gallons per hour simulated leak rate. This violation is closed. Ensure that all outstanding violations are closed as soon as possible.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/11/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 01/03/2020
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 05/17/2017
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Dana Ng, ngd1@sutterhealth.org Violation reinspection. OBSERVED: facility ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/17/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 09/23/2016
Violations Found: No

Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 09/23/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

40,000- gallon double-wall fiberglass diesel UST with VPH. Emergency generator fuel supply. Secondary containment piping underneath the building for product supply and return piping to the emergency generators and secondary containment sensor for the boiler are connected to an alarm panel (earthsafe c910 centraplex), but not the the Veeder Root panel. Similarly, secondary containment sensors in the aboveground day tanks, which are part of the UST system, alarm on a panel in the electrical room, but do not alarm on the Veeder Root panel (all provide audible/visible alarms). ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/24/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

HMBP Certification ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/26/2013
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 06/01/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

doc management for consent order ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/26/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 10/28/2016
Violations Found: No

Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 09/22/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 09/21/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 09/25/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 01/05/2021
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 06/17/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 09/17/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Puneet Gupta, guptap2@sutterhealth.org 40,000- gallon double-wall fiberglass diesel UST with VPH. Emergency generator and boiler fuel supply. Secondary containment piping underneath the building for product supply and return piping to the emergency generators and secondary containment sensor for the boiler are connected to an alarm panel (Earthsafe C910 Centraplex), but not the the Veeder Root panel. Similarly, secondary containment

sensors in the aboveground day tanks, which are part of the UST system, alarm on a panel in the electrical room, but do not alarm on the Veeder Root panel (all provide audible/visible alarms).; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/23/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Spill Buckets: Diesel: 5 gallons, hydrostatic 1 hour test passed. Observations: Sumps and spill containers: small amount of water in piping transition sump. Set-up: No observations Paperwork: DO reports for 12 months: Missing Nov. 2018 DO notification: OK Alarm history matching / work orders: Sensor S3, alarm 11/12/18 - provide copy of monthly inspection and work order on site. DO on site said she is sending a copy to the facility to update their records. Provide the install certification paperwork. Note alarm for new sensor (4/1/19 DO report). Sensor S4, 1/21/19 - No record of follow-up. DO report said trouble-shooting planned. Employee Training: 9/2019 and also 2/6/19 (Feb. missing from binder but available from DO who is on site). Last monitor cert.: 9/2018 filed in the facility binder. Sec containment test: n/a Overfill protection report: tested today and appeared to pass, pending review of tank charts and calculations. Tank [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/21/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 09/21/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Dana Ng, ngd1@sutterhealth.org 40,000- gallon double-wall fiberglass diesel UST with VPH. Emergency generator and boiler fuel supply. Secondary containment piping underneath the building for product supply and return piping to the emergency generators and secondary containment sensor for the boiler are connected to an alarm panel (earthsafe c910 centraplex), but not the the Veeder Root panel. Similarly, secondary containment sensors in the aboveground day tanks, which are part of the UST system, alarm on a panel in the electrical room, but do not alarm on the Veeder Root panel (all provide audible/visible alarms).; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/29/2020
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 12/15/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: Environmental Contact
Entity Name: Elizabeth Johns
Entity Title:
Address: 1501 Trousdale Drive
City: Burlingame
State: CA
Country:
Zip Code: 94401
Phone:

Affil Type Desc: CUPA District
Entity Name: San Mateo County Environmental Health
Entity Title:
Address: 2000 Alameda de las Pulgas, Suite 100
City: San Mateo
State: CA
Country:
Zip Code: 94403
Phone: (650) 372-6200

Affil Type Desc: Operator
Entity Name: Mills Peninsula Medical Center
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (650) 213-2737

Affil Type Desc: UST Property Owner Name
Entity Name: Mills-Peninsula Medical Center
Entity Title:
Address: 1501 Trousdale Drive
City: Burlingame
State: CA
Country:
Zip Code: 94010
Phone: (650) 696-5721

Affil Type Desc: Legal Owner
Entity Name: MILLS PENINSULA HEALTH SVCS
Entity Title:
Address: 1501 TROUSDALE DRIVE
City: BURLINGAME
State: CA
Country: United States
Zip Code: 94010
Phone: (650) 696-5400

Affil Type Desc: UST Permit Applicant
Entity Name: Elizabeth Johns
Entity Title: Mills Peninsula Medical Center - Safety Officer
Address:
City:
State:
Country:
Zip Code:
Phone: (650) 696-5706

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 1501 TROUSDALE DR
City: BURLINGAME
State: CA
Country:
Zip Code: 94010

Phone:

Affil Type Desc: UST Tank Owner
Entity Name: Mills-Peninsula Medical Center
Entity Title:
Address: 1501 Trousdale Drive
City: Burlingame
State: CA
Country:
Zip Code: 94010
Phone: (650) 696-5721

Affil Type Desc: Document Preparer
Entity Name: Elizabeth Johns
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Property Owner
Entity Name: Mills Peninsula
Entity Title:
Address: 1501 Trousdale Drive
City: Burlingame
State: CA
Country: United States
Zip Code: 94401
Phone: (650) 696-5706

Affil Type Desc: UST Tank Operator
Entity Name: Mills-Peninsula Medical Center ? Burlingame Campus
Entity Title:
Address: 1501 Trousdale Drive
City: Burlingame
State: CA
Country:
Zip Code: 94010
Phone: (650) 696-5721

Affil Type Desc: Parent Corporation
Entity Name: MILLS PENINSULA HEALTH SVCS
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Identification Signer
Entity Name: Elizabeth Johns
Entity Title: Safety Officer
Address:
City:
State:
Country:
Zip Code:
Phone:

Coordinates

Env Int Type Code: HWG
Program ID: 10340722
Latitude: 37.591500
Longitude: -122.383780
Coord Name:
Ref Point Type Desc: Center of a facility or station.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	4 of 17	S	0.09 / 458.84	35.84 / 15	MILLS PENINSULA HEALTH SVCS 1501 TROUSDALE DR BURLINGAME CA 94010	UST

Facility ID: 201227_037693
CERS ID: 10340722
County: San Mateo
Latitude: 37.5915
Longitude: -122.38378
Permitting Agency: San Mateo County Environmental Health
Note: Information related to facilities can be searched on Geo Tracker Website: https://geotracker.waterboards.ca.gov/search
Site Facility Type: PERMITTED UNDERGROUND STORAGE TANK (UST)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	5 of 17	S	0.09 / 458.84	35.84 / 15	MILLS PENINSULA MEDICAL CENTER 1501 TROUSDALE DRIVE BURLINGAME CA 94010	EMISSIONS

2010 Toxic Data

Facility ID: 2227
Facility SIC Code: 8062
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2011 Criteria Data

Facility ID: 2227
Facility SIC Code: 8062
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .201
ROGT: .0756118
COT: .982
NOXT: 8.222
SOXT: .014
PMT: .07502459016393442622950819672131147540 98
PM10T: .075

2011 Toxic Data

Facility ID: 2227
Facility SIC Code: 8062
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2012 Criteria Data

Facility ID: 2227
Facility SIC Code: 8062
CO: 41
Air Basin: SF
District: BA
CERR Code:
TOGT: .227
ROGT: .0814556
COT: 1.158
NOXT: 10.398

COID:	SM	***SOXT:***	.017
DISN:	BAY AREA AQMD	***PMT:***	.089
CHAPIS:		***PM10T:***	.089

2012 Toxic Data

Facility ID:	2227	***COID:***	SM
Facility SIC Code:	8062	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Criteria Data

Facility ID:	2227	***CERR Code:***	
Facility SIC Code:	8062	***TOGT:***	.248
CO:	41	***ROGT:***	.0932233
Air Basin:	SF	***COT:***	1.139
District:	BA	***NOXT:***	8.516
COID:	SM	***SOXT:***	.016
DISN:	BAY AREA AQMD	***PMT:***	.089
CHAPIS:		***PM10T:***	.089

2013 Toxic Data

Facility ID:	2227	***COID:***	SM
Facility SIC Code:	8062	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2014 Criteria Data

Facility ID:	2227	***CERR Code:***	
Facility SIC Code:	8062	***TOGT:***	.289883212
CO:	41	***ROGT:***	
Air Basin:	SF	***COT:***	1.102593788
District:	BA	***NOXT:***	5.844570307
COID:	SM	***SOXT:***	.016803605
DISN:	BAY AREA AQMD	***PMT:***	.086809275
CHAPIS:		***PM10T:***	.086710137

2014 Toxic Data

Facility ID:	2227	***COID:***	SM
Facility SIC Code:	8062	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2015 Criteria Data

Facility ID:	2227	***CERR Code:***	
Facility SIC Code:	8062	***TOGT:***	2.0164948
CO:	41	***ROGT:***	1.453864747
Air Basin:	SF	***COT:***	10.305069486
District:	BA	***NOXT:***	62.821415656
COID:	SM	***SOXT:***	.161416703
DISN:	BAY AREA AQMD	***PMT:***	.861000396
CHAPIS:		***PM10T:***	.860508946

2015 Toxic Data

Facility ID:	2227	***COID:***	SM
Facility SIC Code:	8062	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Criteria Data

Facility ID:	2227	***CERR CODE:***	
Facility SIC Code:	8062	***TOGT:***	2.016495114
CO:	41	***ROGT:***	.8789620197004
Air Basin:	SF	***COT:***	10.305069076
District:	BA	***NOXT:***	62.821409467
COID:	SM	***SOXT:***	.161416697
DISN:	BAY AREA AQMD	***PMT:***	.861000377
CHAPIS:		***PM10T:***	.860508927

2016 Toxic Data

Facility ID:	2227	***TS:***	
Facility SIC Code:	8062	***HRA:***	
CERR CODE:		***CH Index:***	
COID:	SM	***AH Index:***	
CO:	41	***Air Basin:***	SF
DISN:	BAY AREA AQMD	***District:***	BA
CHAPIS:			

2017 Criteria Data

Facility ID:	2227	***CERR Code:***	
Facility SIC Code:	8062	***TOGT:***	.121681718
CO:	41	***ROGT:***	.0693647204725
Air Basin:	SF	***COT:***	.87437422
District:	BA	***NOXT:***	7.319030749
COID:	SM	***SOXT:***	.010468841
DISN:	BAY AREA AQMD	***PMT:***	.073822233
CHAPIS:		***PM10T:***	.072884133

2017 Toxic Data

Facility ID:	2227	***COID:***	SM
Facility SIC Code:	8062	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2018 Criteria Data

Facility ID:	2227	***CERR Code:***	
Facility SIC Code:	8062	***TOGT:***	.12176246
CO:	41	***ROGT:***	.0694107474465
Air Basin:	SF	***COT:***	.874954418
District:	BA	***NOXT:***	7.323887351
COID:	SM	***SOXT:***	.010475788
DISN:	BAY AREA AQMD	***PMT:***	.073871219
CHAPIS:		***PM10T:***	.072932497

2018 Toxic Data

Facility ID:	2227	***COID:***	SM
Facility SIC Code:	8062	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

24	***6 of 17***	***S***	***0.09 / 458.84***	***35.84 / 15***	***MILLS PENINSULA MEDICAL CTR-KITCHEN*** ***1501 TROUSDALE*** ***BURLINGAME CA 94010***	***CUPA SANMATEO***

Facility ID: FA0026646

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

24	***7 of 17***	***S***	***0.09 / 458.84***	***35.84 / 15***	***PALO ALTO MEDICAL FOUNDATION*** ***1501 TROUSDALE*** ***BURLINGAME CA 94010***	***CUPA SANMATEO***

Facility ID: FA0047990

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

24	***8 of 17***	***S***	***0.09 / 458.84***	***35.84 / 15***	***SUTTER BAY HOSPITALS DBA MILLS-PENINSULA MEDICAL CENTER*** ***1501 TROUSDALE DR*** ***BURLINGAME CA 94010-0000***	***RCRA NON GEN***

EPA Handler ID:	CAD071873673
Gen Status Universe:	No Report
Contact Name:	CRAIG BRANTING
Contact Address:	1501 TROUSDALE DRIVE , , BURLINGAME , CA, 94401 ,
Contact Phone No and Ext:	650-696-5706
Contact Email:	BRANTICR@SUTTERHEALTH.ORG
Contact Country:	
County Name:	SAN MATEO
EPA Region:	09
Land Type:	
Receive Date:	19830512
Location Latitude:	37.59282
Location Longitude:	-122.382536

Violation/Evaluation Summary

Note:	NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19830512
Handler Name:	SUTTER BAY HOSPITALS DBA MILLS-PENINSULA MEDICAL CENTER
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1501 TROUSDALE DR
Name:	SUTTER BAY HOSPITALS	***Street 2:***	
Date Became Current:		***City:***	BURLINGAME
Date Ended Current:		***State:***	CA
Phone:	650-696-5400	***Country:***	
Source Type:	Implementer	***Zip Code:***	94010-0000

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1501 TROUSDALE DRIVE
Name:	CRAIG BRANTING	***Street 2:***	
Date Became Current:		***City:***	BURLINGAME
Date Ended Current:		***State:***	CA
Phone:	650-696-5706	***Country:***	
Source Type:	Implementer	***Zip Code:***	94401

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	9 of 17	S	0.09 / 458.84	35.84 / 15	SUTTER BAY MEDICAL FOUNDATION 1501B TROUSDALE DRIVE BURLINGAME CA 94010	RCRA NON GEN

EPA Handler ID: CAC002999082
Gen Status Universe: No Report
Contact Name: MARSHALL MOSSMAN
Contact Address: 2350 W EL CAMINO REAL #152 , , MOUNTAIN VIEW , CA, 94040 ,
Contact Phone No and Ext: 650-934-3577
Contact Email: MOSSMAM@PAMF.ORG
Contact Country:
County Name: SAN MATEO
EPA Region: 09
Land Type:
Receive Date: 20190131
Location Latitude: 37.593593
Location Longitude: -122.384117

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20190131
Handler Name: SUTTER BAY MEDICAL FOUNDATION
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: MARSHALL MOSSMAN
Date Became Current:
Date Ended Current:
Phone: 650-934-3577
Source Type: Implementer
Street No:
Street 1: 2350 W EL CAMINO REAL #152
Street 2:
City: MOUNTAIN VIEW
State: CA
Country:
Zip Code: 94040

Owner/Operator Ind: Current Operator
Type: Other
Street No:
Street 1: 2350 W EL CAMINO REAL #152

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Name:	MARSHALL MOSSMAN	**Street 2:**	
Date Became Current:		**City:**	MOUNTAIN VIEW
Date Ended Current:		**State:**	CA
Phone:	650-934-3577	**Country:**	
Source Type:	Implementer	**Zip Code:**	94040

24	10 of 17	S	0.09 / 458.84	35.84 / 15	**ECRPA LLC** **1501 TROUSDALE DRIVE** **BURLINGAME CA 94010**	**EMISSIONS**

2017 Criteria Data

Facility ID:	24031	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	.025018285
CO:	41	**ROGT:**	.0023292023335
Air Basin:	SF	**COT:**	.0038915
District:	BA	**NOXT:**	.03077209
COID:	SM	**SOXT:**	.000005143
DISN:	BAY AREA AQMD	**PMT:**	.0000905
CHAPIS:		**PM10T:**	.0000905

2017 Toxic Data

Facility ID:	24031	**COID:**	SM
Facility SIC Code:	8062	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

24	11 of 17	S	0.09 / 458.84	35.84 / 15	**SUTTER BAY MEDICAL FOUNDATION DBA PAMF** **1501B TROUSDALE DR** **BURLINGAME CA 94010**	**RCRA NON GEN**

EPA Handler ID:	CAL000448229
Gen Status Universe:	No Report
Contact Name:	VICTORIA FIGUEROA
Contact Address:	333 DISTEL CIRCLE , , LOS ALTOS , CA, 94022 ,
Contact Phone No and Ext:	650-934-3577
Contact Email:	FIGUERV@SUTTERHEALTH.ORG
Contact Country:	
County Name:	SAN MATEO
EPA Region:	09
Land Type:	
Receive Date:	20190815
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No

Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190815
Handler Name:	SUTTER BAY MEDICAL FOUNDATION DBA PAMF
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	333 DISTEL CIRCLE
Name:	VICTORIA FIGUEROA	**Street 2:**	
Date Became Current:		**City:**	LOS ALTOS
Date Ended Current:		**State:**	CA
Phone:	650-934-3577	**Country:**	
Source Type:	Implementer	**Zip Code:**	94022

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	333 DISTEL CIRCLE
Name:	PALO ALTO MEDICAL FOUNDATION	**Street 2:**	
Date Became Current:		**City:**	LOS ALTOS
Date Ended Current:		**State:**	CA
Phone:	650-934-3577	**Country:**	
Source Type:	Implementer	**Zip Code:**	94022-0000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	12 of 17	S	0.09 / 458.84	35.84 / 15	**AG-LO 1720 EL CAMINO OWNER LLC** **1501 TROUSDALE DRIVE** **BURLINGAME CA 94010**	EMISSIONS

2018 Criteria Data

Facility ID:	24342	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	.025034887
CO:	41	**ROGT:**	.0023307479797
Air Basin:	SF	**COT:**	.003894083
District:	BA	**NOXT:**	.030792509
COID:	SM	**SOXT:**	.000005146
DISN:	BAY AREA AQMD	**PMT:**	.00009056
CHAPIS:		**PM10T:**	.00009056

2018 Toxic Data

Facility ID:	24342	**COID:**	SM
Facility SIC Code:	8062	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	13 of 17	S	0.09 / 458.84	35.84 / 15	MILLS PENINSULA MEDICAL CENTER 1501 TROUSDALE DRIVE BURLINGAME CA 94010	RCRA NON GEN

EPA Handler ID: CAC003076890
Gen Status Universe: No Report
Contact Name: KRISTIN PFENNING
Contact Address: 1501 TROUSDALE DRIVE , , BURLINGAME , CA, 94010 ,
Contact Phone No and Ext: 650-696-5774
Contact Email: PFENNIK@SUTTERHEALTH.ORG
Contact Country:
County Name: SAN MATEO
EPA Region: 09
Land Type:
Receive Date: 20200729
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20200729
Handler Name: MILLS PENINSULA MEDICAL CENTER
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: KRISTIN PFENNING
Date Became Current:
Street No:
Street 1: 1501 TROUSDALE DRIVE
Street 2:
City: BURLINGAME

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date Ended Current:		**State:**	CA
Phone:	650-696-5774	**Country:**	
Source Type:	Implementer	**Zip Code:**	94010
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	2000 POWELL ST. 10TH FLOOR
Name:	SUTTER BAY HOSPITALS	**Street 2:**	
Date Became Current:		**City:**	EMERYVILLE
Date Ended Current:		**State:**	CA
Phone:	510-450-7355	**Country:**	
Source Type:	Implementer	**Zip Code:**	94608

24	14 of 17	S	0.09 / 458.84	35.84 / 15	**PENINSULA MEDICAL CENTER** **1501 TROUSDALE** **BURLINGAME CA 94010**	**MED** **WST SANMATEO**

Facility ID: FA0017983
Record ID:

Details

Status:
Program Element: SQG COMMON STORAGE AREA FAC (1-199 LBS/MO)
Curr Insp:
Strt No: 1501
Strt Addr: TROUSDALE

24	15 of 17	S	0.09 / 458.84	35.84 / 15	**MILLS PENINSULA HEALTH SVCS** **1501 TROUSDALE** **BURLINGAME CA 94010**	**MED** **WST SANMATEO**

Facility ID: FA0037693
Record ID: PR0084142

Details

Status: ACTIVE
Program Element: LQG COMMON STORAGE AREA FAC (>200 LB/MO)
Curr Insp:
Strt No: 1501
Strt Addr: TROUSDALE

24	16 of 17	S	0.09 / 458.84	35.84 / 15	**PALO ALTO MEDICAL FOUNDATION** **1501 TROUSDALE** **BURLINGAME CA 94010**	**MED** **WST SANMATEO**

Facility ID: FA0047990
Record ID: PR0065628

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp: 12/1/2012
Strt No: 1501
Strt Addr: TROUSDALE

24	17 of 17	S	0.09 / 458.84	35.84 / 15	**PENINSULA MEDICAL CENTER** **1501 TROUSDALE** **BURLINGAME CA 94010**	**MED** **WST SANMATEO**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID: FA0017983
Record ID:

Details

Status:
Program Element: LQG OFF-SITE & ON-SITE TREATMENT >200 LB/MO
Curr Insp:
Strt No: 1501
Strt Addr: TROUSDALE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
25	1 of 1	WNW	0.09 / 460.62	24.37 / 3	BAY WATCH RESTAURANT 1841 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026496

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
26	1 of 3	NE	0.09 / 479.06	10.15 / -11	GUITTARD CHOCOLATE CO 10 GUITTARD RD BURLINGAME CA 94010	CERS HAZ

Site ID: 34743
Latitude: 37.596615
Longitude: -122.381220
County:

Regulated Programs

EI ID: 10063672 **EI Description:** Chemical Storage Facilities

EI ID: 110001192183 **EI Description:** US EPA Air Emission Inventory System (EIS)

EI ID: 10063672 **EI Description:** Hazardous Waste Generator

Violations

Violation Date: 11/17/2016 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** San Mateo County Environmental Health
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 10/02/2018. Hazard communication is completed, however, ensure employees are trained on the HMBP.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date: 11/17/2016 **Violation Source:** CERS
Violation Program: HW **Violation Division:** San Mateo County Environmental Health
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Notes:

Returned to compliance on 10/02/2018. The designated facility copies could not be located today. Provide the designated facility copy for all uniform hazardous waste manifests generated in 2015-2016. Send the copy to Env. Health within 30 days.

Violation Description:

Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.

Violations

Violation Date: 11/17/2016 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 02/09/2018. Please add the following missing items to your hazardous materials inventory (on your HMBP). (Estimates provided below) Gear oil Hydraulic oil 5 x55 gals 60 gal water treatment chemicals stored outside Refrigerant: 600 ton Waste absorbent 3x30 15x15x15x5 gal Wash area soap: 300 gal tank Boiler chemical tanks

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 10/02/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Mateo County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 02/21/2020. OBSERVED: Used oil in the maintenance area did not have a label or accumulation start date. Hazardous waste inside the locked cage outside did not have hazardous waste labels or accumulation start dates. Several containers are back here. REQUIRED ACTION: Demonstrate that all known hazardous waste streams are properly labeled, including the accumulation start date.

Violation Description:

Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violations

Violation Date: 11/17/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Mateo County Environmental Health
Citation: 40 CFR 1 262.34(d)(5)(ii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(ii)
Violation Notes:

Returned to compliance on 10/02/2018.

Violation Description:

Failure to post the following information next to the telephone:
(A) The name and telephone number of the emergency coordinator;
(B) Location of fire extinguishers and spill control material, and, if present, fire alarm; and
(C) The telephone number of the fire department, unless the facility has a direct alarm.

Violations

Violation Date: 10/02/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)

Violation Notes:

Returned to compliance on 02/21/2020. OBSERVED: Waste pickups appear to be on an as- needed basis. Hazardous waste regulations require that when a waste is put in a container, the date (that the accumulation started) must be written on the container. Depending on your waste generation status (small quantity generators can only generate 270 gallons, or one ton of waste per month and large quantity generators generate more waste per month), you can only store waste on-site for a specific period of time. Small quantity generators must remove each waste stream within 180 days of generation. Large quantity generators must remove each waste stream within 90 days of generation. REQUIRED ACTION: Ensure that all hazardous waste streams are managed to ensure that waste is leaving in the appropriate time frames.

Violation Description:

Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met:
(1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms.

(2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f).

(3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.

Violations

Violation Date: 11/17/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Mateo County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 10/02/2018. Label every container or drum of hazardous waste with the required elements of a hazardous waste label. 2 waste oil drum were not properly labeled as hazardous waste. Fill out the required elements of the hazardous waste label and provide evidence of correction to Env. Health within 30 days.

Violation Description:

Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violations

Violation Date: 11/17/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Mateo County Environmental Health
Citation: 22 CCR 12 66262.23(a)(4) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)(4)
Violation Notes:

Returned to compliance on 10/02/2018. No employee currently sends a copy of the uniform hazardous waste manifest to the state. Provide a response to Env. Health within 30 days indicating how you send a copy of your manifest to DTSC.

Violation Description:

Failure to send a legible copy of each hazardous waste manifest to the Department within 30 days of each shipment of hazardous waste.

Violations

Violation Date: 11/17/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Mateo County Environmental Health
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Notes:

Returned to compliance on 10/02/2018. Close the waste oil drum and provide evidence of correction within 30 days.

Violation Description:

Failure to meet the following container management requirements:
(a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste.
(b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.

Evaluations

Eval Date: 09/30/2013
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 10/24/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 10/25/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 09/30/2013
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 04/18/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 10/02/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Bob Pascoe, bpascoe@guittard.com; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/15/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health

Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 12/17/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 10/03/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Bob Pascoe, bpascoe@guittard.com; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/17/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 11/17/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: Parent Corporation
Entity Name: GUITTARD CHOCOLATE
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Identification Signer
Entity Name: Robert Pascoe
Entity Title: Maintenance Manager
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc:	Operator
Entity Name:	Gary Guittard
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(650) 697-4427

Affil Type Desc:	Document Preparer
Entity Name:	Robert Pascoe
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Environmental Contact
Entity Name:	Robert Pascoe
Entity Title:	
Address:	10 Guittard Road
City:	Burlingame
State:	CA
Country:	
Zip Code:	94010
Phone:	

Affil Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	
Address:	P O BOX 4308
City:	BURLINGAME
State:	CA
Country:	
Zip Code:	94010
Phone:	

Affil Type Desc:	Legal Owner
Entity Name:	GUITTARD CHOCOLATE CORP
Entity Title:	
Address:	P O BOX 4308
City:	BURLINGAME
State:	CA
Country:	United States
Zip Code:	94010
Phone:	(650) 697-4427

Affil Type Desc:	CUPA District
Entity Name:	San Mateo County Environmental Health
Entity Title:	
Address:	2000 Alameda de las Pulgas, Suite 100
City:	San Mateo
State:	CA
Country:	
Zip Code:	94403
Phone:	(650) 372-6200

Coordinates

Env Int Type Code:	FRS-AIR	***Longitude:***	-122.380450
Program ID:	110001192183	***Coord Name:***	
Latitude:	37.596150	***Ref Point Type Desc:***	Unknown

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
26	2 of 3	NE	0.09 / 479.06	10.15 / -11	GUITTARD CHOCOLATE COMPANY 10 GUITTARD ROAD BURLINGAME CA 94010	EMISSIONS

1990 Criteria Data

Facility ID:	1632	***CERR Code:***	
Facility SIC Code:	2066	***TOGT:***	0
CO:	41	***ROGT:***	0
Air Basin:	SF	***COT:***	0
District:	BA	***NOXT:***	.1
COID:	SM	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

1990 Toxic Data

Facility ID:	1632	***COID:***	SM
Facility SIC Code:	2066	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1993 Criteria Data

Facility ID:	1632	***CERR Code:***	
Facility SIC Code:	2066	***TOGT:***	0
CO:	41	***ROGT:***	0
Air Basin:	SF	***COT:***	0
District:	BA	***NOXT:***	.1
COID:	SM	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	.4
CHAPIS:		***PM10T:***	.116

1993 Toxic Data

Facility ID:	1632	***COID:***	SM
Facility SIC Code:	2066	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1995 Criteria Data

Facility ID:	1632	***CERR Code:***	
Facility SIC Code:	2066	***TOGT:***	0
CO:	41	***ROGT:***	0
Air Basin:	SF	***COT:***	0
District:	BA	***NOXT:***	.1
COID:	SM	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	3
CHAPIS:		***PM10T:***	.87

1995 Toxic Data

Facility ID:	1632	***COID:***	SM
Facility SIC Code:	2066	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1996 Criteria Data

Facility ID:	1632	***CERR Code:***	
Facility SIC Code:	2066	***TOGT:***	0
CO:	41	***ROGT:***	0
Air Basin:	SF	***COT:***	0
District:	BA	***NOXT:***	.1
COID:	SM	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	3.3
CHAPIS:		***PM10T:***	.957

1996 Toxic Data

Facility ID:	1632	***COID:***	SM
Facility SIC Code:	2066	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1997 Criteria Data

Facility ID:	1632	***CERR Code:***	
Facility SIC Code:	2066	***TOGT:***	0
CO:	41	***ROGT:***	0
Air Basin:	SF	***COT:***	0
District:	BA	***NOXT:***	.1
COID:	SM	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	3.3
CHAPIS:		***PM10T:***	.957

1997 Toxic Data

Facility ID:	1632	***COID:***	SM
Facility SIC Code:	2066	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1998 Criteria Data

Facility ID:	1632	***CERR Code:***	
Facility SIC Code:	2066	***TOGT:***	0

CO:	41	**ROGT:**	0
Air Basin:	SF	**COT:**	0
District:	BA	**NOXT:**	.1
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	3.3
CHAPIS:		**PM10T:**	.957

1998 Toxic Data

Facility ID:	1632	**COID:**	SM
Facility SIC Code:	2066	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1999 Criteria Data

Facility ID:	1632	**CERR Code:**	
Facility SIC Code:	2066	**TOGT:**	.004
CO:	41	**ROGT:**	.0016892
Air Basin:	SF	**COT:**	.025
District:	BA	**NOXT:**	.098
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	3.278
CHAPIS:		**PM10T:**	.95128

1999 Toxic Data

Facility ID:	1632	**COID:**	SM
Facility SIC Code:	2066	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2000 Criteria Data

Facility ID:	1632	**CERR Code:**	
Facility SIC Code:	2066	**TOGT:**	.004
CO:	41	**ROGT:**	0
Air Basin:	SF	**COT:**	.025
District:	BA	**NOXT:**	.098
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	3.278
CHAPIS:		**PM10T:**	.95

2000 Toxic Data

Facility ID:	1632	**COID:**	SM
Facility SIC Code:	2066	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			

Non-Cancer Acute Haz Ind:

2001 Criteria Data

Facility ID:	1632	***CERR Code:***	
Facility SIC Code:	2066	***TOGT:***	0
CO:	41	***ROGT:***	0
Air Basin:	SF	***COT:***	.03
District:	BA	***NOXT:***	.1
COID:	SM	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	3.37
CHAPIS:		***PM10T:***	.98

2001 Toxic Data

Facility ID:	1632	***COID:***	SM
Facility SIC Code:	2066	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2002 Criteria Data

Facility ID:	1632	***CERR Code:***	
Facility SIC Code:	2066	***TOGT:***	.004
CO:	41	***ROGT:***	.0016888
Air Basin:	SF	***COT:***	.027
District:	BA	***NOXT:***	.106
COID:	SM	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	3.468
CHAPIS:		***PM10T:***	1.00638

2002 Toxic Data

Facility ID:	1632	***COID:***	SM
Facility SIC Code:	2066	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2003 Criteria Data

Facility ID:	1632	***CERR Code:***	
Facility SIC Code:	2066	***TOGT:***	.004
CO:	41	***ROGT:***	0
Air Basin:	SF	***COT:***	.025
District:	BA	***NOXT:***	.1
COID:	SM	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	3.277
CHAPIS:		***PM10T:***	.95

2003 Toxic Data

Facility ID:	1632	***COID:***	SM

Facility SIC Code:	2066	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2004 Criteria Data

Facility ID:	1632	**CERR Code:**	
Facility SIC Code:	2066	**TOGT:**	.005
CO:	41	**ROGT:**	.002111
Air Basin:	SF	**COT:**	.028
District:	BA	**NOXT:**	.113
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	3.706
CHAPIS:		**PM10T:**	1.0754

2004 Toxic Data

Facility ID:	1632	**COID:**	SM
Facility SIC Code:	2066	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2005 Criteria Data

Facility ID:	1632	**CERR Code:**	
Facility SIC Code:	2066	**TOGT:**	.005
CO:	41	**ROGT:**	.002111
Air Basin:	SF	**COT:**	.027
District:	BA	**NOXT:**	.11
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	3.66
CHAPIS:		**PM10T:**	1.06206

2005 Toxic Data

Facility ID:	1632	**COID:**	SM
Facility SIC Code:	2066	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	1632	**CERR Code:**	
Facility SIC Code:	2066	**TOGT:**	.035
CO:	41	**ROGT:**	.004853
Air Basin:	SF	**COT:**	.039
District:	BA	**NOXT:**	.193
COID:	SM	**SOXT:**	0

DISN:	BAY AREA AQMD	**PMT:**	4.007
CHAPIS:		**PM10T:**	1.16269

2006 Toxic Data

Facility ID:	1632	**COID:**	SM
Facility SIC Code:	2066	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	1632	**CERR Code:**	
Facility SIC Code:	2066	**TOGT:**	.022
CO:	41	**ROGT:**	.0036648
Air Basin:	SF	**COT:**	.034
District:	BA	**NOXT:**	.156
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	3.837
CHAPIS:		**PM10T:**	1.11339

2007 Toxic Data

Facility ID:	1632	**COID:**	SM
Facility SIC Code:	2066	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2008 Criteria Data

Facility ID:	1632	**CERR Code:**	
Facility SIC Code:	2066	**TOGT:**	.059
CO:	41	**ROGT:**	.0070466
Air Basin:	SF	**COT:**	.032
District:	BA	**NOXT:**	.162
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	3.2
CHAPIS:		**PM10T:**	.92866

2008 Toxic Data

Facility ID:	1632	**COID:**	SM
Facility SIC Code:	2066	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	1632	**CERR Code:**	
Facility SIC Code:	2066	**TOGT:**	.183
CO:	41	**ROGT:**	.018711
Air Basin:	SF	**COT:**	.054
District:	BA	**NOXT:**	.322
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	3.629
CHAPIS:		**PM10T:**	1.053774

2009 Toxic Data

Facility ID:	1632	**COID:**	SM
Facility SIC Code:	2066	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	1632	**COID:**	SM
Facility SIC Code:	2066	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2011 Criteria Data

Facility ID:	1632	**CERR Code:**	
Facility SIC Code:	2066	**TOGT:**	.127
CO:	41	**ROGT:**	.0135926
Air Basin:	SF	**COT:**	.048
District:	BA	**NOXT:**	.266
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	14.235535390199637023593466424682395644 28
CHAPIS:		**PM10T:**	4.129

2011 Toxic Data

Facility ID:	1632	**COID:**	SM
Facility SIC Code:	2066	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2012 Criteria Data

Facility ID:	1632	**CERR Code:**	
Facility SIC Code:	2066	**TOGT:**	.106
CO:	41	**ROGT:**	.0116732

Air Basin:	SF	**COT:**	.044
District:	BA	**NOXT:**	.233
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	13.359673321234119782214156079854809437 39
CHAPIS:		**PM10T:**	3.875

2012 Toxic Data

Facility ID:	1632	**COID:**	SM
Facility SIC Code:	2066	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Criteria Data

Facility ID:	1632	**CERR Code:**	
Facility SIC Code:	2066	**TOGT:**	.234
CO:	41	**ROGT:**	.0237032
Air Basin:	SF	**COT:**	.065
District:	BA	**NOXT:**	.4
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	6.085
CHAPIS:		**PM10T:**	4.261

2013 Toxic Data

Facility ID:	1632	**COID:**	SM
Facility SIC Code:	2066	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2014 Criteria Data

Facility ID:	1632	**CERR Code:**	
Facility SIC Code:	2066	**TOGT:**	.17193517
CO:	41	**ROGT:**	
Air Basin:	SF	**COT:**	.060641994
District:	BA	**NOXT:**	.342605285
COID:	SM	**SOXT:**	.000603625
DISN:	BAY AREA AQMD	**PMT:**	7.057360034
CHAPIS:		**PM10T:**	4.940646072

2014 Toxic Data

Facility ID:	1632	**COID:**	SM
Facility SIC Code:	2066	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			

Non-Cancer Acute Haz Ind:

2015 Criteria Data

Facility ID:	1632	***CERR Code:***	
Facility SIC Code:	2066	***TOGT:***	.221119381
CO:	41	***ROGT:***	.113841551
Air Basin:	SF	***COT:***	.068191
District:	BA	***NOXT:***	.4027087
COID:	SM	***SOXT:***	.000612035
DISN:	BAY AREA AQMD	***PMT:***	6.798184964
CHAPIS:		***PM10T:***	4.75927655

2015 Toxic Data

Facility ID:	1632	***COID:***	SM
Facility SIC Code:	2066	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Criteria Data

Facility ID:	1632	***CERR CODE:***	
Facility SIC Code:	2066	***TOGT:***	.158138235
CO:	41	***ROGT:***	.0172200721585
Air Basin:	SF	***COT:***	.056181328
District:	BA	***NOXT:***	.316681841
COID:	SM	***SOXT:***	.000561986
DISN:	BAY AREA AQMD	***PMT:***	6.575558285
CHAPIS:		***PM10T:***	4.60334888

2016 Toxic Data

Facility ID:	1632	***TS:***	
Facility SIC Code:	2066	***HRA:***	
CERR CODE:		***CH Index:***	
COID:	SM	***AH Index:***	
CO:	41	***Air Basin:***	SF
DISN:	BAY AREA AQMD	***District:***	BA
CHAPIS:			

2017 Criteria Data

Facility ID:	1632	***CERR Code:***	
Facility SIC Code:	2066	***TOGT:***	.283932006
CO:	41	***ROGT:***	.0290312562891
Air Basin:	SF	***COT:***	.077009981
District:	BA	***NOXT:***	.476287496
COID:	SM	***SOXT:***	.000608999
DISN:	BAY AREA AQMD	***PMT:***	6.866666319
CHAPIS:		***PM10T:***	4.807272462

2017 Toxic Data

Facility ID:	1632	***COID:***	SM
Facility SIC Code:	2066	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
CERR Code:

2018 Criteria Data

Facility ID:	1632	***CERR Code:***	
Facility SIC Code:	2066	***TOGT:***	.284120411
CO:	41	***ROGT:***	.0290505201938
Air Basin:	SF	***COT:***	.077061081
District:	BA	***NOXT:***	.476603541
COID:	SM	***SOXT:***	.000609403
DISN:	BAY AREA AQMD	***PMT:***	6.871222753
CHAPIS:		***PM10T:***	4.810462368

2018 Toxic Data

Facility ID:	1632	***COID:***	SM
Facility SIC Code:	2066	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

26	*3 of 3*	*NE*	*0.09 / 479.06*	*10.15 / -11*	***GUITTARD CHOCOLATE CO*** ***10 GUITTARD RD*** ***BURLINGAME CA 94011-0000***	***RCRA NON GEN***

EPA Handler ID: CAD981451271
Gen Status Universe: No Report
Contact Name: ALVIN OEY - SAFETY MGR
Contact Address: 10 GUITTARD RD , , BURLINGAME , CA, 94010 ,
Contact Phone No and Ext: 650-697-4427
Contact Email: ALVIN@GUITTARD.COM
Contact Country:
County Name: SAN MATEO
EPA Region: 09
Land Type:
Receive Date: 19870410
Location Latitude: 37.596199
Location Longitude: -122.380452

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19870410
Handler Name: GUITTARD CHOCOLATE CO
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: GARY W GUITTARD PRESIDENT
Date Became Current:
Date Ended Current:
Phone: 415-697-4427
Source Type: Implementer
Street No:
Street 1: 10 GUITTARD RD
Street 2:
City: BURLINGAME
State: CA
Country:
Zip Code: 94010-2203

Owner/Operator Ind: Current Operator
Type: Other
Name: ALVIN OEY - SAFETY MGR
Date Became Current:
Date Ended Current:
Phone: 650-697-4427
Source Type: Implementer
Street No:
Street 1: 10 GUITTARD RD
Street 2:
City: BURLINGAME
State: CA
Country:
Zip Code: 94010

27	1 of 2	WSW	0.10 / 527.41	33.77 / 12	HAPPY CHEF GARDEN INC 1520 TROUSDALE BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0053073

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

27	2 of 2	WSW	0.10 / 527.41	33.77 / 12	HAPPY CHEF 1520 TROUSDALE BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0000523

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

28	1 of 8	WNW	0.10 / 537.08	23.04 / 2	STAFF BUILDERS HEALTH CARE SVC 1838 EL CAMINO REAL	CUPA SANMATEO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					BURLINGAME CA 94010	

Facility ID: FA0023364

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG WITH TRANSPORT

28	2 of 8	WNW	0.10 / 537.08	23.04 / 2	TENDER LOVING CARE 1838 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026823

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG WITH TRANSPORT

28	3 of 8	WNW	0.10 / 537.08	23.04 / 2	ALPER, PHILLIP R., M.D. 1838 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026326

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

28	4 of 8	WNW	0.10 / 537.08	23.04 / 2	LEMI MEDICAL CENTER 1838 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0029157

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Active, billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

28	5 of 8	WNW	0.10 / 537.08	23.04 / 2	ALPER, PHILLIP R., M.D. 1838 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026326
Record ID: PR0038009

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1838

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Strt Addr:		EL CAMINO REAL				
28	6 of 8	WNW	0.10 / 537.08	23.04 / 2	LEMI MEDICAL CENTER 1838 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO
Facility ID:		FA0029157				
Record ID:		PR0049400				
Details						
Status:		ACTIVE				
Program Element:		SQG OFF-SITE TREATMENT (1-199 LB/MO)				
Curr Insp:						
Strt No:		1838				
Strt Addr:		EL CAMINO REAL				
28	7 of 8	WNW	0.10 / 537.08	23.04 / 2	STAFF BUILDERS HEALTH CARE SVC 1838 EL CAMINO REAL #109 BURLINGAME CA 94010	MED WST SANMATEO
Facility ID:		FA0023364				
Record ID:		PR0026963				
Details						
Status:		INACTIVE				
Program Element:		SQG WITH TRANSPORT				
Curr Insp:						
Strt No:		1838				
Strt Addr:		EL CAMINO REAL				
28	8 of 8	WNW	0.10 / 537.08	23.04 / 2	TENDER LOVING CARE 1838 EL CAMINO REAL 109 BURLINGAME CA 94010	MED WST SANMATEO
Facility ID:		FA0026823				
Record ID:		PR0039768				
Details						
Status:		INACTIVE				
Program Element:		SQG WITH TRANSPORT				
Curr Insp:						
Strt No:		1838				
Strt Addr:		EL CAMINO REAL				
29	1 of 1	WSW	0.11 / 557.43	35.28 / 14	RICHARD STONE DPM 1515 TROUSDALE, #200 BURLINGAME CA 94010-0000	RCRA NON GEN
EPA Handler ID:		CAL000093553				
Gen Status Universe:		No Report				
Contact Name:		RICHARD_STONE HESTEHAVE				
Contact Address:		1720 MARIO POLO WAY STE A , , BURLINGAME , CA, 94010 ,				
Contact Phone No and Ext:		650-692-4778				
Contact Email:		RICKPODI@AOL.COM				
Contact Country:						
County Name:		SAN MATEO				
EPA Region:		09				
Land Type:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Receive Date: 19950105
Location Latitude: 37.593573
Location Longitude: -122.384141

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19950105
Handler Name: RICHARD STONE DPM
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: RICHARD STONE
Date Became Current:
Date Ended Current:
Phone: 650-692-4778
Source Type: Implementer
Street No:
Street 1: 1720 MARCO POLO WAY STE A
Street 2:
City: BURLINGAME
State: CA
Country:
Zip Code: 94010-0000

Owner/Operator Ind: Current Operator
Type: Other
Name: RICHARD_STONE HESTEHAVE
Date Became Current:
Date Ended Current:
Phone: 650-692-4778
Source Type: Implementer
Street No:
Street 1: 1720 MARIO POLO WAY STE A
Street 2:
City: BURLINGAME
State: CA
Country:
Zip Code: 94010

30	1 of 19	WSW	0.11 / 563.43	34.56 / 13	STEVES CLEANERS 1560 TROUSDALE DR BURLINGAME CA 94010	RCRA SQG

EPA Handler ID: CAD981632698
Gen Status Universe: Small Quantity Generator
Contact Name: STEVE PIZZI
Contact Address: 1560 TROUSDALE DR , , BURLINGAME , CA, 94010 , US
Contact Phone No and Ext: 415-692-3155

Contact Email:	
Contact Country:	US
County Name:	SAN MATEO
EPA Region:	09
Land Type:	Private
Receive Date:	19940927
Location Latitude:	37.593677
Location Longitude:	-122.384217

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19940927
Handler Name:	STEVES CLEANERS
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	1560 TROUSDALE DR
Name:	STEPHEN PIZZI	***Street 2:***	
Date Became Current:		***City:***	BURLINGAME
Date Ended Current:		***State:***	CA
Phone:	415-692-3155	***Country:***	
Source Type:	Notification	***Zip Code:***	94010
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	NOT REQUIRED
Name:	NOT REQUIRED	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED
Date Ended Current:		***State:***	ME
Phone:	415-555-1212	***Country:***	
Source Type:	Notification	***Zip Code:***	99999

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
30	*2 of 19*	*WSW*	*0.11 / 563.43*	*34.56 / 13*	***LUX CLEANERS (FORMER)*** ***1560 TROUSDALE DRIVE*** ***BURLINGAME CA 94010***	***CLEANUP SITES***

Global ID: T10000007659
Site Facility Type: CLEANUP PROGRAM SITE
Status: OPEN - SITE ASSESSMENT
County: SAN MATEO
Status Date: 9/16/2015
Latitude: 37.59378
Longitude: -122.3844
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No:
CUF Case: NO
Local Case No: 669117
Case Worker: BG
Begin Date: 8/19/2015
File Location: All Files are on GeoTracker or in the Local Agency Database
Stop Method:
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
Potential COC: Tetrachloroethylene (PCE), Trichloroethylene (TCE)
Potential Media of Concern: Indoor Air, Soil, Soil Vapor
How Discovered:
How Discovered Description:
Stop Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:

Site opened 9/16/2015

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: RESPONSE
Date : 2021-05-15 00:00:00
Action: Pilot Study/ Treatability Report

Action Type: RESPONSE
Date : 2020-12-31 00:00:00
Action: Corrective Action Plan / Remedial Action Plan

Action Type: ENFORCEMENT
Date : 2020-12-15 00:00:00
Action: Staff Letter - #20201215

Action Type: RESPONSE
Date : 2020-11-15 00:00:00
Action: Other Workplan - Regulator Responded

Action Type: RESPONSE
Date : 2020-11-15 00:00:00
Action: Fact Sheets - Public Participation

Action Type: ENFORCEMENT
Date : 2020-09-18 00:00:00
Action: Staff Letter - #20200918

Action Type: RESPONSE
Date : 2020-07-17 00:00:00
Action: Site Assessment Report - Regulator Responded

Action Type: ENFORCEMENT
Date : 2020-06-12 00:00:00
Action: Staff Letter - #20200612

Action Type: RESPONSE
Date : 2020-04-14 00:00:00
Action: Soil Vapor Intrusion Investigation Report - Regulator Responded

Action Type: ENFORCEMENT

Date : 2020-03-09 00:00:00
Action: Staff Letter - #20200309

Action Type: RESPONSE
Date : 2020-01-15 00:00:00
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Action Type: ENFORCEMENT
Date : 2019-10-08 00:00:00
Action: Email Correspondence - #20191008

Action Type: RESPONSE
Date : 2019-09-26 00:00:00
Action: Email Correspondence

Action Type: ENFORCEMENT
Date : 2019-09-19 00:00:00
Action: Staff Letter - #20190919

Action Type: RESPONSE
Date : 2019-06-26 00:00:00
Action: Site Investigation - Regulator Responded

Action Type: ENFORCEMENT
Date : 2019-02-26 00:00:00
Action: Staff Letter - #20190226

Action Type: RESPONSE
Date : 2018-11-15 00:00:00
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Action Type: ENFORCEMENT
Date : 2018-09-12 00:00:00
Action: Staff Letter - #20180912

Action Type: RESPONSE
Date : 2018-01-26 00:00:00
Action: Site Investigation - Regulator Responded

Action Type: ENFORCEMENT
Date : 2017-10-26 00:00:00
Action: Staff Letter - #20171026

Action Type: RESPONSE
Date : 2017-04-28 00:00:00
Action: Preliminary Site Assessment Workplan - Regulator Responded

Action Type: ENFORCEMENT
Date : 2017-01-27 00:00:00
Action: Staff Letter - #20170127

Action Type: RESPONSE
Date : 2016-11-21 00:00:00
Action: Correspondence

Action Type: ENFORCEMENT
Date : 2016-10-07 00:00:00
Action: Warning Letter - #20161007

Action Type: RESPONSE
Date : 2016-03-31 00:00:00
Action: Verbal Communication

Action Type: ENFORCEMENT
Date : 2016-03-01 00:00:00
Action: Staff Letter - #20160301

Action Type: RESPONSE
Date : 2015-10-16 00:00:00

Action: Verbal Communication

Action Type: ENFORCEMENT
Date : 2015-09-16 00:00:00
Action: Staff Letter - #20150916

Action Type: Other
Date : 2015-09-04 00:00:00
Action: Leak Reported

Action Type: Other
Date : 2015-08-19 00:00:00
Action: Leak Discovery

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Site Assessment
Status Date: 2015-09-16 00:00:00

Status: Open - Case Begin Date
Status Date: 2015-08-19 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Phone No:
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Email:
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
Phone No: 6502724590
Organization Name: SAN MATEO COUNTY LOP
Email: bgwinn@smcgov.org
Address: 2000 Alameda de las Pulgas, Suite 100
City: SAN MATEO

Cleanup Program Sites from GeoTracker Search - Regulatory Profile (as of Feb 27, 2021)

Project Status:
CUF Claim:
CUF Priority Assign:
CUF Amount Paid:
Facility Type:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T10000007659
Cleanup Status Detail: OPEN - SITE ASSESSMENT AS OF 9/16/2015
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T10000007659&tabname=regulatoryhistory
Potential COC: TETRACHLOROETHYLENE (PCE), TRICHLOROETHYLENE (TCE)
Potential Media of Concern: INDOOR AIR, SOIL, SOIL VAPOR
GW Monitoring Freq:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 669117
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2)
CASEWORKER: Regional Water Board
WDR Place Type:
WDR File:
WDR Order:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Composting Method:
Site History:

Site opened 9/16/2015

Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Response Requested - Reports
Action Date: 5/15/2021
Received Issue Date:
Action: Pilot Study/ Treatability Report
Doc Link:
Title Description Comments:

Report on shallow doil excavation and slab depressurization pilot test with recommendation for SSDS implementation and performance monitoring

Action Type: Response Requested - Workplans
Action Date: *12/31/2020
Received Issue Date:
Action: Corrective Action Plan / Remedial Action Plan
Doc Link:
Title Description Comments:

Remedial Action Plan w/ Feasibility Study of Remedial Alternatives. UPDATE 12/15/20 - See 12/15/20 letter

Action Type: Other Regulatory Actions
Action Date: 12/15/2020
Received Issue Date: 12/15/2020
Action: Staff Letter - #20201215
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6453663&temptable=ENFORCEMENT
Title Description Comments:

GPP letter approving interim remedial action workplan and slab depressurization pilot test

Action Type: Response Requested - Other
Action Date: 11/15/2020
Received Issue Date:
Action: Fact Sheets - Public Participation
Doc Link:
Title Description Comments:

Public Particpation Fact Sheet for vapor intrusion evaluation

Action Type: Response Requested - Workplans
Action Date: *11/15/2020
Received Issue Date: 11/12/2020
Action: Other Workplan - Regulator Responded
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000007659&doc_id=6025075
Title Description Comments:

Soil Vapor Intrusion Mitigation Workplan

Action Type: Other Regulatory Actions
Action Date: 9/18/2020
Received Issue Date: 9/18/2020
Action: Staff Letter - #20200918
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6447708&temptable=ENFORCEMENT
Title Description Comments:

GPP letter concurring with recommendations, request for Indoor Air Mitigation Work Plan, Public Participation Fact Sheet, and IRAP or RAP

Action Type: Response Requested - Reports
Action Date: *7/17/2020
Received Issue Date: 7/17/2020

Action: Site Assessment Report - Regulator Responded
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000007659&doc_id=6017495
Title Description Comments:

Results of additional soil vapor and groundwater assessment

Action Type: Other Regulatory Actions
Action Date: 6/12/2020
Received Issue Date: 6/12/2020
Action: Staff Letter - #20200612
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6438094&temptable=ENFORCEMENT
Title Description Comments:

GPP letter requesting vapor intrusion mitigation workplan and feasibity study remedial alternatives

Action Type: Response Requested - Reports
Action Date: 4/14/2020
Received Issue Date: 4/14/2020
Action: Soil Vapor Intrusion Investigation Report - Regulator Responded
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000007659&doc_id=6025074
Title Description Comments:

Summary of Indoor Air Sampling Results

Action Type: Other Regulatory Actions
Action Date: 3/9/2020
Received Issue Date: 3/9/2020
Action: Staff Letter - #20200309
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6429497&temptable=ENFORCEMENT
Title Description Comments:

GPP response to additional assessment workplan

Action Type: Response Requested - Workplans
Action Date: 1/15/2020
Received Issue Date: 2/14/2020
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000007659&doc_id=6004468
Title Description Comments:

Workplan for additional assessment and results of additiional soil gas / indoor air sampling

Action Type: Other Regulatory Actions
Action Date: 10/8/2019
Received Issue Date: 10/8/2019
Action: Email Correspondence - #20191008
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6416794&temptable=ENFORCEMENT
Title Description Comments:

Email chain re: resampling of 1805-A

Action Type: Response Requested - Other
Action Date: 9/26/2019
Received Issue Date: 9/24/2019
Action: Email Correspondence
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000007659&doc_id=6004467
Title Description Comments:

Schedule for resampling of IA at unit 1805-A

Action Type: Other Regulatory Actions

Action Date: 9/19/2019
Received Issue Date: 9/19/2019
Action: Staff Letter - #20190919
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6415238&temptable=ENFORCEMENT
Title Description Comments:

GPP concurrence with additional soil gas/indoor air sampling and prep of workplan. Requirement for resample of indoor air at unit 1805-A ASAP.

Action Type: Response Requested - Reports
Action Date: 6/26/2019
Received Issue Date: 7/26/2019
Action: Site Investigation - Regulator Responded
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000007659&doc_id=5987024
Title Description Comments:

Additional groundwater, sub-slab gas, and indoor air assessment report due

Action Type: Other Regulatory Actions
Action Date: 2/26/2019
Received Issue Date: 2/26/2019
Action: Staff Letter - #20190226
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6386462&temptable=ENFORCEMENT
Title Description Comments:

GPP conditional concurrence for groundwater, sub-slab gas, and indoor air assessment

Action Type: Response Requested - Workplans
Action Date: 11/15/2018
Received Issue Date: 1/3/2019
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000007659&doc_id=5974760
Title Description Comments:

Workplan for indoor air sampling, and sub-slab gas and groundwater plume delineation.

Action Type: Other Regulatory Actions
Action Date: 9/12/2018
Received Issue Date: 9/12/2018
Action: Staff Letter - #20180912
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6369454&temptable=ENFORCEMENT
Title Description Comments:

GPP requests workplan for sub-slab gas plume delineation, indoor air sampling, and groundwater plume delineation.

Action Type: Response Requested - Reports
Action Date: 1/26/2018
Received Issue Date: 8/7/2018
Action: Site Investigation - Regulator Responded
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000007659&doc_id=5947211
Title Description Comments:

Soil, sub-slab gas, and groundwater investigation.

Action Type: Other Regulatory Actions
Action Date: 10/26/2017
Received Issue Date: 10/26/2017
Action: Staff Letter - #20171026
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6339707&temptable=ENFORCEMENT
Title Description Comments:

Conditional approval of workplan

Action Type: Response Requested - Workplans
Action Date: 4/28/2017
Received Issue Date: 10/4/2017
Action: Preliminary Site Assessment Workplan - Regulator Responded
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000007659&doc_id=5911362
Title Description Comments:

Workplan for Subsurface Investigation 10/4/2017

Action Type: Other Regulatory Actions
Action Date: 1/27/2017
Received Issue Date: 1/27/2017
Action: Staff Letter - #20170127
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6310108&temptable=ENFORCEMENT
Title Description Comments:

Request for work plan to define vertical and lateral extent of contamination.

Action Type: Response Requested - Other
Action Date: 11/21/2016
Received Issue Date: 12/1/2016
Action: Correspondence
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000007659&doc_id=5902874
Title Description Comments:

Signed RAA

Action Type: Enforcement/Orders
Action Date: 10/7/2016
Received Issue Date: 10/7/2016
Action: Warning Letter - #20161007
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6300490&temptable=ENFORCEMENT
Title Description Comments:

Request to sign RAA or have UPA case be opened

Action Type: Response Requested - Other
Action Date: 3/31/2016
Received Issue Date:
Action: Verbal Communication
Doc Link:
Title Description Comments:

Action Type: Other Regulatory Actions
Action Date: 3/1/2016
Received Issue Date: 3/1/2016
Action: Staff Letter - #20160301
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6277509&temptable=ENFORCEMENT
Title Description Comments:

Case open letter to operator

Action Type: Response Requested - Other
Action Date: 10/16/2015
Received Issue Date: 12/1/2016
Action: Verbal Communication
Doc Link:
Title Description Comments:

set up meeting- does not want to sign RAA until operator has been notified and asked to participate in voluntary program. Meeting occurred 12/1/2016

Action Type: Other Regulatory Actions
Action Date: 9/16/2015
Received Issue Date: 9/16/2015
Action: Staff Letter - #20150916
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6260616&temptable=ENFORCEMENT
Title Description Comments:

Case open letter

Action Type: Leak Action
Action Date: 9/4/2015
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 8/19/2015
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Sites from GeoTracker Search - Documents (as of Feb 27, 2021)

Document Type: Site Documents ***Submitted:***
Document Date: 12/15/2020 ***Submitted By:*** BRIAN GWINN (REGULATOR)
Size :
Title: GPP LETTER APPROVING INTERIM REMEDIAL ACTION WORKPLAN AND SLAB DEPRESSURIZATION PILOT TEST
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6453663
Type: STAFF LETTER

Document Type: Site Documents ***Submitted:***
Document Date: 11/12/2020 ***Submitted By:*** KAY PANNELL (AUTH_RP)
Size : 4,463 KB
Title: IRA WORK PLAN & VI RESPONSE ACTIONS EVALUATION - LUX CLEANERS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8675854027/T10000007659.PDF
Type: INTERIM REMEDIAL ACTION PLAN

Document Type: Site Documents ***Submitted:***
Document Date: 9/18/2020 ***Submitted By:*** BRIAN GWINN (REGULATOR)
Size :
Title: GPP LETTER CONCURRING WITH RECOMMENDATIONS, REQUEST FOR INDOOR AIR MITIGATION WORK PLAN, PUBLIC PARTICIPATION FACT SHEET, AND IRAP OR RAP
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6447708
Type: STAFF LETTER

Document Type: Site Documents ***Submitted:***
Document Date: 7/16/2020 ***Submitted By:*** KAY PANNELL (AUTH_RP)
Size : 19,958 KB
Title: RESULTS OF ADDITIONAL INVESTIGATION AND CSM REPORT_19266
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7972872257/T10000007659.PDF
Type: CONCEPTUAL SITE MODEL

Document Type: Site Documents ***Submitted:***
Document Date: 6/12/2020 ***Submitted By:*** BRIAN GWINN (REGULATOR)
Size :
Title: GPP LETTER REQUESTING VAPOR INTRUSION MITIGATION WORKPLAN AND FEASIBITY STUDY REMEDIAL ALTERNATIVES
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6438094
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 4/14/2020 **Submitted By:** KAY PANNELL (AUTH_RP)
Size : 1,650 KB
Title: SUMMARY OF FEB 2020 INDOOR AIR RESULTS 1560 TROUSDALE
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7392756581/T10000007659.PDF
Type: SOIL VAPOR INTRUSION INVESTIGATION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 3/9/2020 **Submitted By:** BRIAN GWINN (REGULATOR)
Size :
Title: GPP RESPONSE TO ADDITIONAL ASSESSMENT WORKPLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6429497
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 2/14/2020 **Submitted By:** KAY PANNELL (AUTH_RP)
Size : 2,379 KB
Title: PROPOSED ADDITIONAL SOIL VAPOR AND GRAB-GW SAMPLING FEB 2020
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8348324120/T10000007659.PDF
Type: SOIL AND WATER INVESTIGATION WORKPLAN - ADDENDUM

Document Type: Site Documents **Submitted:**
Document Date: 12/6/2019 **Submitted By:** KAY PANNELL (AUTH_RP)
Size : 2,762 KB
Title: INDOOR AIR RESAMPLING REPORT 1560 TROUSDALE DRIVE DEC 2019
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7009471058/T10000007659.PDF
Type: SOIL VAPOR INTRUSION INVESTIGATION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 10/8/2019 **Submitted By:** BRIAN GWINN (REGULATOR)
Size :
Title: EMAIL CHAIN RE: RESAMPLING OF 1805-A
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6416794
Type: EMAIL CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 9/24/2019 **Submitted By:** BRIAN GWINN (REGULATOR)
Size :
Title: SCHEDULE FOR RESAMPLING OF IA AT UNIT 1805-A
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&document_id=6004467
Type: EMAIL CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 9/19/2019 **Submitted By:** BRIAN GWINN (REGULATOR)
Size :
Title: GPP CONCURRENCE WITH ADDITIONAL SOIL GAS/INDOOR AIR SAMPLING AND PREP OF WORKPLAN. REQUIREMENT FOR RESAMPLE OF INDOOR AIR AT UNIT 1805-A ASAP.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6415238
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 7/26/2019 **Submitted By:** KAY PANNELL (AUTH_RP)
Size : 14,924 KB
Title: SOIL VAPOR GROUNDWATER AND INDOOR AIR INVESTIGATION REPORT JULY 2019
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7816061198/T10000007659.PDF
Type: SITE INVESTIGATION

Document Type: Site Documents **Submitted:**
Document Date: 2/26/2019 **Submitted By:** BRIAN GWINN (REGULATOR)
Size :
Title: GPP CONDITIONAL CONCURRENCE FOR GROUNDWATER, SUB-SLAB GAS, AND INDOOR AIR ASSESSMENT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6386462
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 1/3/2019 **Submitted By:** KAY PANNELL (AUTH_RP)
Size : 1,559 KB
Title: SOIL VAPOR, GROUNDWATER, INDOOR AIR WORK PLAN JANUARY 2019 - REVISED

Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5591308832/T10000007659.PDF
Type: SITE INVESTIGATION WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 9/12/2018 **Submitted By:** BRIAN GWINN (REGULATOR)
Size :
Title: GPP REQUESTS WORKPLAN FOR SUB-SLAB GAS PLUME DELINEATION, INDOOR AIR SAMPLING, AND GROUNDWATER PLUME DELINEATION.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6369454
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 4/20/2018 **Submitted By:** KAY PANNELL (AUTH_RP)
Size : 9,528 KB
Title: REPORT OF ADDITIONAL SUBSURFACE INVESTIGATION AND CSM APRIL 2018
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5336041390/T10000007659.PDF
Type: CONCEPTUAL SITE MODEL

Document Type: Site Documents **Submitted:**
Document Date: 10/26/2017 **Submitted By:** BRIAN GWINN (REGULATOR)
Size :
Title: CONDITIONAL APPROVAL OF WORKPLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6339707
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 10/4/2017 **Submitted By:** KAY PANNELL (AUTH_RP)
Size : 611 KB
Title: WORK PLAN, 1560 TROUSDALE BURLINGAME, OCT 2017
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8253805756/T10000007659.PDF
Type: SOIL VAPOR INTRUSION INVESTIGATION WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 1/27/2017 **Submitted By:** JACOB MADDEN (REGULATOR)
Size :
Title: REQUEST FOR WORK PLAN TO DEFINE VERTICAL AND LATERAL EXTENT OF CONTAMINATION.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6310108
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 12/1/2016 **Submitted By:** JACOB MADDEN (REGULATOR)
Size :
Title: SIGNED RAA
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&document_id=5902874
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 10/7/2016 **Submitted By:** JACOB MADDEN (REGULATOR)
Size :
Title: REQUEST TO SIGN RAA OR HAVE UPA CASE BE OPENED
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6300490
Type: WARNING LETTER

Document Type: Site Documents **Submitted:**
Document Date: 8/16/2016 **Submitted By:** KAY PANNELL (AUTH_RP)
Size : 3,461 KB
Title: REPORT OF ADDITIONAL SUBSURFACE INVESTIGATIONS AUGUST 2016
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3364173591/T10000007659.PDF
Type: SOIL AND WATER INVESTIGATION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 3/1/2016 **Submitted By:** JACOB MADDEN (REGULATOR)
Size :
Title: CASE OPEN LETTER TO OPERATOR
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6277509
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 9/16/2015 **Submitted By:** JACOB MADDEN (REGULATOR)

Size :
Title: CASE OPEN LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007659&enforcement_id=6260616
Type: STAFF LETTER

Document Type: Site Documents ***Submitted:***
Document Date: 8/24/2015 ***Submitted By:*** KAY PANNELL (AUTH_RP)
Size : 2,297 KB
Title: REPORT OF ADDITIONAL SUBSURFACE INVESTIGATION AUGUST 2015
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4403097748/T10000007659.PDF
Type: SOIL VAPOR INTRUSION INVESTIGATION REPORT

Document Type: Site Documents ***Submitted:***
Document Date: 7/21/2015 ***Submitted By:*** KAY PANNELL (AUTH_RP)
Size : 1,976 KB
Title: REPORT OF LIMITED PHASE II SOIL & SOIL VAPOR AT 1560 TROUSDALE
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6995508551/T10000007659.PDF
Type: SOIL VAPOR INTRUSION INVESTIGATION REPORT

Document Type: Site Documents ***Submitted:***
Document Date: 6/10/2015 ***Submitted By:*** KAY PANNELL (AUTH_RP)
Size : 9,647 KB
Title: PHASE I ENVIRONMENTAL SITE ASSESSMENT - 1520-1560 TROUSDALE DRIVE
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3087007522/T10000007659.PDF
Type: PHASE I ASSESSMENT REPORT

Sites from GeoTracker Search - Site Maps (as of Feb 27, 2021)

Title: GEO_MAP ***Submitted By:*** KAY PANNELL (AUTH_RP)
Size : 808 KB ***Submitted:*** 7/18/2020
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/8462469279/T10000007659.PDF

Title: GEO_MAP ***Submitted By:*** KAY PANNELL (AUTH_RP)
Size : 645 KB ***Submitted:*** 7/18/2020
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/6355874121/T10000007659.PDF

Title: RESULTS OF ADDITIONAL INVESTIGATION AND CSM REPORT_19266 (SV21) ***Submitted By:*** KAY PANNELL (AUTH_RP)
Size : 99 KB ***Submitted:*** 7/17/2020
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9260687708/T10000007659.PDF

Title: RESULTS OF ADDITIONAL INVESTIGATION AND CSM REPORT_19266 (SV18) ***Submitted By:*** KAY PANNELL (AUTH_RP)
Size : 129 KB ***Submitted:*** 7/17/2020
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6192394554/T10000007659.PDF

Title: RESULTS OF ADDITIONAL INVESTIGATION AND CSM REPORT_19266 (SV20) ***Submitted By:*** KAY PANNELL (AUTH_RP)
Size : 86 KB ***Submitted:*** 7/17/2020
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6785835981/T10000007659.PDF

Title: RESULTS OF ADDITIONAL INVESTIGATION AND CSM REPORT_19266 (SV17) ***Submitted By:*** KAY PANNELL (AUTH_RP)
Size : 108 KB ***Submitted:*** 7/17/2020
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6958284854/T10000007659.PDF

Title: RESULTS OF ADDITIONAL INVESTIGATION AND CSM REPORT_19266 (SV16) ***Submitted By:*** KAY PANNELL (AUTH_RP)
Size : 110 KB ***Submitted:*** 7/17/2020
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1310540258/T10000007659.PDF

Title: RESULTS OF ADDITIONAL INVESTIGATION AND CSM REPORT_19266 (SV19) ***Submitted By:*** KAY PANNELL (AUTH_RP)
Size : 94 KB ***Submitted:*** 7/17/2020
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1353434681/T10000007659.PDF

Title: SOIL VAPOR, GROUNDWATER AND INDOOR AIR INVESTIGATION REPORT ***Submitted By:*** KAY PANNELL (AUTH_RP)

JULY 2019 (CPT-3)
Size : 789 KB **Submitted:** 9/30/2019
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1893550038/T10000007659.PDF

Title: SOIL VAPOR, GROUNDWATER AND INDOOR AIR INVESTIGATION REPORT JULY 2019 (CPT-4) **Submitted By:** KAY PANNELL (AUTH_RP)
Size : 804 KB **Submitted:** 9/30/2019
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5838796794/T10000007659.PDF

Title: SOIL VAPOR, GROUNDWATER AND INDOOR AIR INVESTIGATION REPORT JULY 2019 (CPT-5) **Submitted By:** KAY PANNELL (AUTH_RP)
Size : 761 KB **Submitted:** 9/30/2019
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4234518229/T10000007659.PDF

Title: SOIL VAPOR, GROUNDWATER AND INDOOR AIR INVESTIGATION REPORT JULY 2019 (CPT-2) **Submitted By:** KAY PANNELL (AUTH_RP)
Size : 813 KB **Submitted:** 9/30/2019
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3328676700/T10000007659.PDF

Title: SOIL VAPOR, GROUNDWATER AND INDOOR AIR INVESTIGATION REPORT JULY 2019 (CPT-1) **Submitted By:** KAY PANNELL (AUTH_RP)
Size : 819 KB **Submitted:** 9/30/2019
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5904089808/T10000007659.PDF

Title: SOIL VAPOR, GROUNDWATER AND INDOOR AIR INVESTIGATION REPORT JULY 2019 (CPT-6) **Submitted By:** KAY PANNELL (AUTH_RP)
Size : 1,001 KB **Submitted:** 9/30/2019
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3025866031/T10000007659.PDF

Title: GEO_MAP **Submitted By:** KAY PANNELL (AUTH_RP)
Size : 409 KB **Submitted:** 9/21/2019
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7540991008/T10000007659.PDF

Title: GEO_MAP **Submitted By:** KAY PANNELL (AUTH_RP)
Size : 416 KB **Submitted:** 9/21/2019
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7739905238/T10000007659.PDF

Title: GEO_MAP **Submitted By:** KAY PANNELL (AUTH_RP)
Size : 168 KB **Submitted:** 9/21/2019
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7824014484/T10000007659.PDF

Title: REPORT OF ADDITIONAL SUBSURFACE INVESTIGATION AND CSM APRIL 2018 (B10) **Submitted By:** KAY PANNELL (AUTH_RP)
Size : 16 KB **Submitted:** 8/7/2018
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4861349940/T10000007659.PDF

Title: REPORT OF ADDITIONAL SUBSURFACE INVESTIGATION AND CSM APRIL 2018 (B7) **Submitted By:** KAY PANNELL (AUTH_RP)
Size : 18 KB **Submitted:** 8/7/2018
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1203808724/T10000007659.PDF

Title: REPORT OF ADDITIONAL SUBSURFACE INVESTIGATION AND CSM APRIL 2018 (B8) **Submitted By:** KAY PANNELL (AUTH_RP)
Size : 18 KB **Submitted:** 8/7/2018
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3562820672/T10000007659.PDF

Title: REPORT OF ADDITIONAL SUBSURFACE INVESTIGATION AND CSM APRIL 2018 (B9) **Submitted By:** KAY PANNELL (AUTH_RP)
Size : 153 KB **Submitted:** 8/7/2018
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7303942203/T10000007659.PDF

Title: GEO_MAP **Submitted By:** KAY PANNELL (AUTH_RP)
Size : 112 KB **Submitted:** 8/7/2018
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5537203311/T10000007659.PDF

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title: REPORT OF ADDITIONAL SUBSURFACE INVESTIGATION AUGUST 2015 (B1)
Submitted By: KAY PANNELL (AUTH_RP)
Size : 435 KB
Submitted: 12/15/2016
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1620123505/T10000007659.PDF

Title: REPORT OF ADDITIONAL SUBSURFACE INVESTIGATION AUGUST 2016 (B4)
Submitted By: KAY PANNELL (AUTH_RP)
Size : 91 KB
Submitted: 12/15/2016
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3499030768/T10000007659.PDF

Title: REPORT OF ADDITIONAL SUBSURFACE INVESTIGATION AUGUST 2016 (B5)
Submitted By: KAY PANNELL (AUTH_RP)
Size : 94 KB
Submitted: 12/15/2016
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3149904251/T10000007659.PDF

Sites from GeoTracker Search - Cleanup Status History (as of Feb 27, 2021)

Status: Open - Site Assessment
Date : 9/16/2015

Status: Open - Case Begin Date
Date : 8/19/2015

30	3 of 19	WSW	0.11 / 563.43	34.56 / 13	LUX CLEANERS (FORMER) 1560 TROUSDALE DR BURLINGAME CA	DELISTED COUNTY

Original Source Facility ID: 669117-T10000007659
Original Source Name: San Mateo County - LOP List
Record Date: 21-JUN-2018

30	4 of 19	WSW	0.11 / 563.43	34.56 / 13	MILLS ESTATES CLEANERS 1560 TROUSDALE DR BURLINGAME CA 940100000	DRYCLEANERS

EPA ID: CAD981632698
Create Date: 4/10/1987
Facility Act Ind: No
Inact Date: 6/30/1996
Reason: Cleaners
Region Code: 2
DD Latitude: 37.594318
DD Longitude: -122.383706
Facility County Code: 41
Mail Name:
Owner Name: --
Owner Street 1: --
Owner Street 2:
Owner City: --
Owner State: 99
Owner Zip: --
Owner Phone: 0
Owner Fax:
Contact Name: DEACT PER VQ96
Contact Street 1: --
Contact Street 2:
Contact City: --
Contact State: 99
Contact Zip: --
Contact Phone: --
Contact Fax:

30	5 of 19	WSW	0.11 / 563.43	34.56 / 13	PRIMO CLEANERS 1560 TROUSDALE DRIVE BURLINGAME CA 940100000	DRYCLEANERS

EPA ID: CAC001245536
Create Date: 5/16/1997
Facility Act Ind: No
Inact Date: 10/25/2000
Reason: Cleaners
Region Code: 2
DD Latitude: 37.59414
DD Longitude: -122.383639
Facility County Code: 41
Mail Name:
Owner City: BURLINGAME
Owner State: CA
Owner Zip: 940100000
Owner Phone: 0
Owner Fax:
Contact Name: YOUNG CHU/OWNER
Contact Street 1: 1560 TROUSDALE DRIVE
Contact Street 2:
Contact City: BURLINGAME
Contact State: CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner Name:	YOUNG CHU	**Contact Zip:**	940100000
Owner Street 1:	1560 TROUSDALE DRIVE	**Contact Phone:**	4156923155
Owner Street 2:		**Contact Fax:**	

---

30 | 6 of 19 | WSW | 0.11 / 563.43 | 34.56 / 13 | **LUX CLEANERS**
1560 TROUSDALE DR
BURLINGAME CA 94010 | DRYCLEANERS

EPA ID:	CAL000399397	**Owner City:**	MILLBRAE
Create Date:	7/31/2014 10:24:06 AM	**Owner State:**	CA
Facility Act Ind:	No	**Owner Zip:**	940303053
Inact Date:	6/30/2020	**Owner Phone:**	6506923155
Reason:	SIC/NAICS	**Owner Fax:**	
Region Code:	2	**Contact Name:**	UN HA CHOI
DD Latitude:	0	**Contact Street 1:**	1560 TROUSDALE DR
DD Longitude:	0	**Contact Street 2:**	
Facility County Code:	41	**Contact City:**	BURLINGAME
Mail Name:		**Contact State:**	CA
Owner Name:	GI DU SUNG	**Contact Zip:**	94010
Owner Street 1:	300 MURCHISON DR	**Contact Phone:**	6506923155
Owner Street 2:		**Contact Fax:**	

NAICS Details

NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial

---

30 | 7 of 19 | WSW | 0.11 / 563.43 | 34.56 / 13 | **LUX CLEANERS**
1560 TROUSDALE DR
BURLINGAME CA 940104507 | DRYCLEANERS

EPA ID:	CAL000197089	**Owner City:**	BURLINGAME
Create Date:	4/20/1999	**Owner State:**	CA
Facility Act Ind:	No	**Owner Zip:**	940100000
Inact Date:	6/30/2008	**Owner Phone:**	6506922492
Reason:	SIC/NAICS	**Owner Fax:**	
Region Code:	2	**Contact Name:**	GRACE CHUNG
DD Latitude:	37.593594	**Contact Street 1:**	1564 MEADOW LN
DD Longitude:	-122.384396	**Contact Street 2:**	
Facility County Code:	41	**Contact City:**	BURLINGAME
Mail Name:		**Contact State:**	CA
Owner Name:	GRACE CHUNG	**Contact Zip:**	940100000
Owner Street 1:	1564 MEADOW LN	**Contact Phone:**	6506922492
Owner Street 2:		**Contact Fax:**	

NAICS Details

NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial

---

30 | 8 of 19 | WSW | 0.11 / 563.43 | 34.56 / 13 | **PRIMO CLEANERS**
1560 TROUSDALE
BURLINGAME CA 94010 | CUPA SANMATEO

Facility ID: FA0018041

Detail(s)

Program Category: BUSINESS PLAN PROGRAM

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Billing Status: Inactive, non-billable
Program Element: STORES HAZ MAT <219GAL,1,999LB, 879CF

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Inactive, non-billable
Program Element: GENERATES <27 GAL/YEAR

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
30	9 of 19	WSW	0.11 / 563.43	34.56 / 13	LUX CLEANERS 1560 TROUSDALE BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0059981

Detail(s)

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Active, billable
Program Element: GENERATES <27 GAL/YEAR

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
30	10 of 19	WSW	0.11 / 563.43	34.56 / 13	STEVE'S CLEANERS 1560 TROUSDALE DRIVE BURLINGAME CA 94010	EMISSIONS

1995 Criteria Data

Facility ID:	3387	**CERR Code:**	
Facility SIC Code:	7216	**TOGT:**	1
CO:	41	**ROGT:**	0
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	SM	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1995 Toxic Data

Facility ID:	3387	**COID:**	SM
Facility SIC Code:	7216	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1996 Toxic Data

Facility ID:	3387	**COID:**	SM
Facility SIC Code:	7216	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

1997 Toxic Data

Facility ID:	3387	***COID:***	SM
Facility SIC Code:	7216	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1998 Toxic Data

Facility ID:	3387	***COID:***	SM
Facility SIC Code:	7216	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

30	***11 of 19***	***WSW***	***0.11 / 563.43***	***34.56 / 13***	***ONE HOUR MARTINIZING 1560 TROUSDALE DRIVE BURLINGAME CA 94010***	***EMISSIONS***

1987 Criteria Data

Facility ID:	3387	***CERR Code:***	
Facility SIC Code:	7216	***TOGT:***	1.7
CO:	41	***ROGT:***	0
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	SM	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1987 Toxic Data

Facility ID:	3387	***COID:***	SM
Facility SIC Code:	7216	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1990 Criteria Data

Facility ID:	3387	***CERR Code:***	
Facility SIC Code:	7216	***TOGT:***	2.5
CO:	41	***ROGT:***	0
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	SM	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

1990 Toxic Data

Facility ID:	3387	***COID:***	SM
Facility SIC Code:	7216	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1993 Criteria Data

Facility ID:	3387	***CERR Code:***	
Facility SIC Code:	7216	***TOGT:***	.8
CO:	41	***ROGT:***	0
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	SM	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1993 Toxic Data

Facility ID:	3387	***COID:***	SM
Facility SIC Code:	7216	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
30	*12 of 19*	*WSW*	*0.11 / 563.43*	*34.56 / 13*	***LUX CLEANERS*** ***1560 TROUSDALE DRIVE*** ***BURLINGAME CA 94010***	***EMISSIONS***

1999 Criteria Data

Facility ID:	12143	***CERR Code:***	
Facility SIC Code:	7216	***TOGT:***	.304
CO:	41	***ROGT:***	0
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	SM	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1999 Toxic Data

Facility ID:	12143	***COID:***	SM
Facility SIC Code:	7216	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			

Non-Cancer Acute Haz Ind:

2000 Criteria Data

Facility ID:	12143	***CERR Code:***	
Facility SIC Code:	7216	***TOGT:***	.304
CO:	41	***ROGT:***	0
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	SM	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2000 Toxic Data

Facility ID:	12143	***COID:***	SM
Facility SIC Code:	7216	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2001 Criteria Data

Facility ID:	12143	***CERR Code:***	
Facility SIC Code:	7216	***TOGT:***	.2
CO:	41	***ROGT:***	0
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	SM	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2001 Toxic Data

Facility ID:	12143	***COID:***	SM
Facility SIC Code:	7216	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2002 Criteria Data

Facility ID:	12143	***CERR Code:***	
Facility SIC Code:	7216	***TOGT:***	.202
CO:	41	***ROGT:***	0
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	SM	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2002 Toxic Data

Facility ID:	12143	***COID:***	SM

Facility SIC Code:	7216	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2003 Criteria Data

Facility ID:	12143	***CERR Code:***	
Facility SIC Code:	7216	***TOGT:***	.202
CO:	41	***ROGT:***	.14
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	SM	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2003 Toxic Data

Facility ID:	12143	***COID:***	SM
Facility SIC Code:	7216	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2004 Criteria Data

Facility ID:	12143	***CERR Code:***	
Facility SIC Code:	7216	***TOGT:***	.169
CO:	41	***ROGT:***	.1180634
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	SM	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2004 Toxic Data

Facility ID:	12143	***COID:***	SM
Facility SIC Code:	7216	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2005 Criteria Data

Facility ID:	12143	***CERR Code:***	
Facility SIC Code:	7216	***TOGT:***	.169
CO:	41	***ROGT:***	.1180634
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	SM	***SOXT:***	

DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2005 Toxic Data

Facility ID:	12143	**COID:**	SM
Facility SIC Code:	7216	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	12143	**CERR Code:**	
Facility SIC Code:	7216	**TOGT:**	.169
CO:	41	**ROGT:**	0
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	SM	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2006 Toxic Data

Facility ID:	12143	**COID:**	SM
Facility SIC Code:	7216	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	12143	**CERR Code:**	
Facility SIC Code:	7216	**TOGT:**	.169
CO:	41	**ROGT:**	.1180634
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	SM	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2007 Toxic Data

Facility ID:	12143	**COID:**	SM
Facility SIC Code:	7216	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2008 Criteria Data

Facility ID: 12143
Facility SIC Code: 7216
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .101
ROGT: .0705586
COT:
NOXT:
SOXT:
PMT:
PM10T:

2008 Toxic Data

Facility ID: 12143
Facility SIC Code: 7216
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2009 Criteria Data

Facility ID: 12143
Facility SIC Code: 7216
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .135
ROGT: 0
COT:
NOXT:
SOXT:
PMT:
PM10T:

2009 Toxic Data

Facility ID: 12143
Facility SIC Code: 7216
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2010 Toxic Data

Facility ID: 12143
Facility SIC Code: 7216
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2011 Criteria Data

Facility ID: 12143
Facility SIC Code: 7216
CO: 41
Air Basin: SF
CERR Code:
TOGT: .101
ROGT: 0
COT:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

District:	BA	**NOXT:**	
COID:	SM	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2011 Toxic Data

Facility ID:	12143	**COID:**	SM
Facility SIC Code:	7216	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2012 Criteria Data

Facility ID:	12143	**CERR Code:**	
Facility SIC Code:	7216	**TOGT:**	.101
CO:	41	**ROGT:**	0
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	SM	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2012 Toxic Data

Facility ID:	12143	**COID:**	SM
Facility SIC Code:	7216	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
30	13 of 19	WSW	0.11 / 563.43	34.56 / 13	LUX CLEANERS 1560 TROUSDALE DRIVE BURLINGAME CA 94010	FED DRYCLEANERS

FRS Facility ID:	110013821329
NPDES IDs:	
NAICS Codes:	81232
SIC Codes:	
Latitude:	37.593659
Longitude:	-122.384135

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
30	14 of 19	WSW	0.11 / 563.43	34.56 / 13	LUX CLEANERS 1560 TROUSDALE DR BURLINGAME CA 94010	RCRA NON GEN

EPA Handler ID:	CAL000399397
Gen Status Universe:	No Report
Contact Name:	UN HA CHOI
Contact Address:	1560 TROUSDALE DR , , BURLINGAME , CA, 94010 ,
Contact Phone No and Ext:	650-692-3155
Contact Email:	UNHA-LEE@YAHOO.COM
Contact Country:	
County Name:	SAN MATEO

EPA Region: 09
Land Type:
Receive Date: 20140731
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20140731
Handler Name: LUX CLEANERS
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: UN HA CHOI
Date Became Current:
Date Ended Current:
Phone: 650-692-3155
Source Type: Implementer
Street No:
Street 1: 1560 TROUSDALE DR
Street 2:
City: BURLINGAME
State: CA
Country:
Zip Code: 94010

Owner/Operator Ind: Current Owner
Type: Other
Name: GI DU SUNG
Date Became Current:
Date Ended Current:
Phone: 650-692-3155
Source Type: Implementer
Street No:
Street 1: 300 MURCHISON DR
Street 2:
City: MILLBRAE
State: CA
Country:
Zip Code: 94030-3053

30	15 of 19	WSW	0.11 / 563.43	34.56 / 13	LUX CLEANERS (FORMER) 1560 TROUSDALE DR BURLINGAME CA	LOP SANMATEO

Case No: 669117
APN: 025122090
Case Type: A- Aquifer used for drinking water supply affected

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Global ID: T10000007659

LUST Status

Status: 3B- Preliminary Assessment Underway

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30 | ***16 of 19*** | ***WSW*** | ***0.11 / 563.43*** | ***34.56 / 13*** | ***LUX CLEANERS 1560 TROUSDALE DRIVE BURLINGAME CA 94010*** | ***DRYCLEANERS***

EPA ID:	CAC003100101	***Owner City:***	MILLBRAE
Create Date:	1/8/2021 1:01:39 PM	***Owner State:***	CA
Facility Act Ind:	Yes	***Owner Zip:***	94030
Inact Date:		***Owner Phone:***	6506923155
Reason:	SIC/NAICS	***Owner Fax:***	
Region Code:	2	***Contact Name:***	UN HA CHOI
DD Latitude:	0	***Contact Street 1:***	1560 TROUSDALE DRIVE
DD Longitude:	0	***Contact Street 2:***	
Facility County Code:	41	***Contact City:***	BURLINGAME
Mail Name:	NULL	***Contact State:***	CA
Owner Name:	GI DU SUNG	***Contact Zip:***	94010
Owner Street 1:	300 MURCHISON DR	***Contact Phone:***	6506923155
Owner Street 2:		***Contact Fax:***	

NAICS Details

NAICS Code:	812320
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial

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30 | ***17 of 19*** | ***WSW*** | ***0.11 / 563.43*** | ***34.56 / 13*** | ***LUX CLEANERS 1560 TROUSDALE DR BURLINGAME CA 94010*** | ***RCRA SQG***

EPA Handler ID:	CAR000321539
Gen Status Universe:	Small Quantity Generator
Contact Name:	UN H CHOI
Contact Address:	1560 , TROUSDALE DR , , BURLINGAME , CA, 94010 , US
Contact Phone No and Ext:	650-692-3155
Contact Email:	
Contact Country:	US
County Name:	SAN MATEO
EPA Region:	09
Land Type:	Private
Receive Date:	20210316
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No

Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20210316
Handler Name:	LUX CLEANERS
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Notification

Waste Code Details

Hazardous Waste Code:	611
Waste Code Description:	Contaminated soil from site clean-ups

Hazardous Waste Code:	F002
Waste Code Description:	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.

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	1560
Type:	Private	***Street 1:***	TROUSDALE DR
Name:	UN HA CHOI	***Street 2:***	
Date Became Current:	20210301	***City:***	BURLINGAME
Date Ended Current:		***State:***	CA
Phone:	650-692-3155	***Country:***	US
Source Type:	Notification	***Zip Code:***	94010

Owner/Operator Ind:	Current Owner	***Street No:***	1560
Type:	Private	***Street 1:***	TROUSDALE DR
Name:	UN HA CHOI	***Street 2:***	
Date Became Current:	20210301	***City:***	BURLINGAME
Date Ended Current:		***State:***	CA
Phone:	650-692-3155	***Country:***	US
Source Type:	Notification	***Zip Code:***	94010

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
30	*18 of 19*	*WSW*	*0.11 / 563.43*	*34.56 / 13*	***PEDERSEN & PEDERSEN 1560 TROUSDALE DR BURLINGAME CA 94010***	***RCRA SQG***

EPA Handler ID:	CAP000320515
Gen Status Universe:	Small Quantity Generator
Contact Name:	KARL PEDERSEN
Contact Address:	1072 , CARLOLYN AVE , , SAN JOSE , CA, 95125 , US
Contact Phone No and Ext:	408-293-8062
Contact Email:	KARL@PEDERSENLLC.COM
Contact Country:	US
County Name:	SAN MATEO
EPA Region:	09
Land Type:	Private
Receive Date:	20210222

Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20210222
Handler Name:	PEDERSEN & PEDERSEN
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Notification

Waste Code Details

Hazardous Waste Code:	611
Waste Code Description:	Contaminated soil from site clean-ups
Hazardous Waste Code:	F002
Waste Code Description:	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.

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	1072
Type:	Private	***Street 1:***	CARLOLYN AVE
Name:	PEDERSEN & PEDERSEN	***Street 2:***	
Date Became Current:	20210201	***City:***	SAN JOSE
Date Ended Current:		***State:***	CA
Phone:	408-293-8062	***Country:***	US
Source Type:	Notification	***Zip Code:***	95125
Owner/Operator Ind:	Current Owner	***Street No:***	1072
Type:	Private	***Street 1:***	CARLOLYN AVE
Name:	PEDERSEN & PEDERSEN	***Street 2:***	
Date Became Current:	20210201	***City:***	SAN JOSE

Date Ended Current:				**State:**	CA	
Phone:	408-293-8062			**Country:**	US	
Source Type:	Notification			**Zip Code:**	95125	

30	19 of 19	WSW	0.11 / 563.43	34.56 / 13	LUX CLEANERS 1560 TROUSDALE DRIVE BURLINGAME CA 94010	RCRA NON GEN

EPA Handler ID:	CAC003100101
Gen Status Universe:	No Report
Contact Name:	UN HA CHOI
Contact Address:	1560 TROUSDALE DRIVE , , BURLINGAME , CA, 94010 ,
Contact Phone No and Ext:	650-692-3155
Contact Email:	PMORIMOTO@TECHNICHEM.COM
Contact Country:	
County Name:	SAN MATEO
EPA Region:	09
Land Type:	
Receive Date:	20210108
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20210108
Handler Name:	LUX CLEANERS
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	1560 TROUSDALE DRIVE
Name:	UN HA CHOI	**Street 2:**	
Date Became Current:		**City:**	BURLINGAME
Date Ended Current:		**State:**	CA
Phone:	650-692-3155	**Country:**	
Source Type:	Implementer	**Zip Code:**	94010

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	300 MURCHISON DR
Name:	GI DU SUNG	**Street 2:**	
Date Became Current:		**City:**	MILLBRAE
Date Ended Current:		**State:**	CA
Phone:	650-692-3155	**Country:**	
Source Type:	Implementer	**Zip Code:**	94030

31	1 of 2	WNW	0.12 / 612.45	23.33 / 2	UNITED DENTAL GROUP 1840 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0041841

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

31	2 of 2	WNW	0.12 / 612.45	23.33 / 2	UNITED DENTAL GROUP 1840 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0041841
Record ID: PR0057081

Details

Status: ACTIVE
Program Element: TIER 1 SQG REGISTRATION
Curr Insp:
Strt No: 1840
Strt Addr: EL CAMINO REAL

32	1 of 1	W	0.12 / 630.99	27.91 / 7	BAGGYS LIQUORS 1535 PLAZA BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0000512

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

33	1 of 3	WSW	0.12 / 641.78	36.43 / 15	BURLINGAME FAMILY PET HOSPITAL 1808 MAGNOLIA BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026344

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Active, billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG PHOTO WASTE (<100KG/MO)

33	2 of 3	WSW	0.12 / 641.78	36.43 / 15	BURLINGAME FAMILY PET HOSPITAL 1808 MAGNOLIA AVE BURLINGAME CA 94010-0000	RCRA NON GEN

EPA Handler ID: CAL000087737
Gen Status Universe: No Report
Contact Name: FRANK MERRILL
Contact Address: 1808 MAGNOLIA AVE , , BURLINGAME , CA, 94010 ,
Contact Phone No and Ext: 650-697-7234
Contact Email: BURLINGAMEFAMILYPET@GMAIL.COM
Contact Country:
County Name: SAN MATEO
EPA Region: 09
Land Type:
Receive Date: 19920609
Location Latitude: 37.593897
Location Longitude: -122.384835

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19920609
Handler Name: BURLINGAME FAMILY PET HOSPITAL
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: FRANK MERRILL
Date Became Current:
Date Ended Current:
Phone: 650-697-7234
Street No:
Street 1: 1808 MAGNOLIA AVE
Street 2:
City: BURLINGAME
State: CA
Country:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Source Type:	Implementer	**Zip Code:**	94010
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1808 MAGNOLIA AVE
Name:	MERRILL FRANK M JR DVM	**Street 2:**	
Date Became Current:		**City:**	BURLINGAME
Date Ended Current:		**State:**	CA
Phone:	650-697-7234	**Country:**	
Source Type:	Implementer	**Zip Code:**	94010-4502

33	3 of 3	WSW	0.12 / 641.78	36.43 / 15	BURLINGAME FAMILY PET HOSPITAL 1808 MAGNOLIA BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026344
Record ID: PR0038035

Details

Status: ACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp: 11/3/2018
Strt No: 1808
Strt Addr: MAGNOLIA

34	1 of 3	WNW	0.13 / 662.79	23.33 / 2	BAY AREA VEIN & VASCULAR CENTER 1850 EL CAMINO REAL BURLINGAME CA 94010	EMISSIONS

2015 Criteria Data

Facility ID:	22604	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	.000756574
CO:	41	**ROGT:**	.000660677
Air Basin:	SF	**COT:**	.01217036
District:	BA	**NOXT:**	.0123634
COID:	SM	**SOXT:**	.000023381
DISN:	BAY AREA AQMD	**PMT:**	.000546958
CHAPIS:		**PM10T:**	.00052508

2015 Toxic Data

Facility ID:	22604	**COID:**	SM
Facility SIC Code:	8062	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Criteria Data

Facility ID:	22604	**CERR CODE:**	
Facility SIC Code:	8062	**TOGT:**	.000756574
CO:	41	**ROGT:**	.000664650259
Air Basin:	SF	**COT:**	.012170356
District:	BA	**NOXT:**	.012363403
COID:	SM	**SOXT:**	.000023381

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

DISN:	BAY AREA AQMD	**PMT:**	.000546958
CHAPIS:		**PM10T:**	.00052508

2016 Toxic Data

Facility ID:	22604	**TS:**	
Facility SIC Code:	8062	**HRA:**	
CERR CODE:		**CH Index:**	
COID:	SM	**AH Index:**	
CO:	41	**Air Basin:**	SF
DISN:	BAY AREA AQMD	**District:**	BA
CHAPIS:			

2018 Criteria Data

Facility ID:	22604	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	.000758399
CO:	41	**ROGT:**	.0006662535215
Air Basin:	SF	**COT:**	.012167124
District:	BA	**NOXT:**	.012340945
COID:	SM	**SOXT:**	.000025593
DISN:	BAY AREA AQMD	**PMT:**	. 00050361167002012072434607645875251509 0543
CHAPIS:		**PM10T:**	.00050059

2018 Toxic Data

Facility ID:	22604	**COID:**	SM
Facility SIC Code:	8062	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

34	***2 of 3***	***WNW***	***0.13 / 662.79***	***23.33 / 2***	***BAY AREA VEIN & VASCULAR CENTER 1850 EL CAMINO REAL BURLINGAME CA 94010***	***CUPA SANMATEO***

Facility ID:	FA0054032

Detail(s)

Program Category:	MEDICAL WASTE
Billing Status:	Active, billable
Program Element:	SQG OFF-SITE TREATMENT (1-199 LB/MO)

34	***3 of 3***	***WNW***	***0.13 / 662.79***	***23.33 / 2***	***BAY AREA VEIN & VASCULAR CENTER 1850 EL CAMINO REAL BURLINGAME CA 94010***	***MED WST SANMATEO***

Facility ID:	FA0054032
Record ID:	PR0074645

Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: ACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp: 5/17/2019
Strt No: 1850
Strt Addr: EL CAMINO REAL

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35 | 1 of 4 | WSW | 0.13 / 670.14 | 36.87 / 16 | VNA & HOSPICE OF NORTHERN CA
1600 TROUSDALE
BURLINGAME CA 94010 | CUPA SANMATEO

Facility ID: FA0014245

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG WITH TRANSPORT

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35 | 2 of 4 | WSW | 0.13 / 670.14 | 36.87 / 16 | CHEMICAL DEPENDENCY CENTER
1600 TROUSDALE
BURLINGAME CA 94010 | CUPA SANMATEO

Facility ID: FA0027855

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

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35 | 3 of 4 | WSW | 0.13 / 670.14 | 36.87 / 16 | CHEMICAL DEPENDENCY CENTER
1600 TROUSDALE
BURLINGAME CA 94010 | MED WST SANMATEO

Facility ID: FA0027855
Record ID: PR0045037

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1600
Strt Addr: TROUSDALE

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35 | 4 of 4 | WSW | 0.13 / 670.14 | 36.87 / 16 | VNA & HOSPICE OF NORTHERN CA
1600 TROUSDALE AVE
BURLINGAME CA 94010 | MED WST SANMATEO

Facility ID: FA0014245
Record ID: PR0010502

Details

Status: INACTIVE
Program Element: SQG WITH TRANSPORT
Curr Insp:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Strt No:		1600				
Strt Addr:		TROUSDALE				
36	1 of 1	WNW	0.13 / 685.51	25.27 / 4	NEALS COFFEE SHOP 1845 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO
Facility ID:		FA0000488				
Detail(s)						
Program Category:		STORMWATER				
Billing Status:		Inactive, non-billable				
Program Element:		STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS				
37	1 of 3	E	0.14 / 712.92	10.67 / -11	SCHULZE MANUFACTURING 50 INGOLD RD BURLINGAME CA	DELISTED COUNTY
Original Source Facility ID:		669095-T0608145778				
Original Source Name:		San Mateo County - LOP List				
Record Date:		21-JUN-2018				
37	2 of 3	E	0.14 / 712.92	10.67 / -11	GARRATT-CALLAHAN CO 50 INGOLD RD - BURLINGAME CA 94010	SSTS
EPA Region:		9				
Establishment No:		8540-CA-1				
Est Create Update Date:						
Est Site County:		San Mateo				
Est Site Country:		USA				
Est Mailing Address:		50 INGOLD RD				
Est Mailing Address Line 2:		-				
Est Mail City:		BURLINGAME				
Est Mail State:		CA				
Est Mail Zip:		94010-2206				
Est Mail Country:		USA				
Company Name:		GARRATT-CALLAHAN CO				
Co Site Address Line 1:		50 INGOLD RD				
Co Site Address Line 2:		-				
Co Site City:		BURLINGAME				
Co Site State:		CA				
Co Site Zip:		94010				
Co Site Country:		USA				
Co Mailing Address Line 1:		50 INGOLD RD				
Co Mail Address Line 2:		-				
Co Mail City:		BURLINGAME				
Co Mail State:		CA				
Co Mail Zip:		94010				
Co Mail Country:		USA				
37	3 of 3	E	0.14 / 712.92	10.67 / -11	SCHULZE MANUFACTURING 50 INGOLD RD BURLINGAME CA	LOP SANMATEO
Case No:		669095				
APN:		025280170				
Case Type:		O- Other Groundwater affected (uses other than drinking water)				
Global ID:		T0608145778				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

LUST Status

Status: 9- Case Closed

38	1 of 1	W	0.14 / 715.32	38.04 / 17	BURLINGAME FAMILY PET HOSPITAL 1828 MAGNOLIA BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026344
Record ID: PR0050968

Details

Status: INACTIVE
Program Element: SQG PHOTO WASTE (<100KG/MO)
Curr Insp: 7/19/2014
Strt No: 1828
Strt Addr: MAGNOLIA

39	1 of 1	WNW	0.14 / 719.76	25.63 / 4	SEES CANDIES #22 1843 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0002821

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

40	1 of 2	W	0.14 / 732.93	38.14 / 17	PROVIDENT CENTRAL CREDIT UNION 1825 MAGNOLIA BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0016672

Detail(s)

Program Category: UNDERGROUND TANK PROGRAM
Billing Status: Inactive, non-billable
Program Element: UNDERGROUND TANK - GENERAL

40	2 of 2	W	0.14 / 732.93	38.14 / 17	PROVIDENT CENTRAL CREDIT UNION 1825 MAGNOLIA AVE BURLINGAME CA	UST SWEEPS

C C:	I41-000-660006	***D Filename:***	NSITE4
BOE:		***Page No:***	322
Comp:	660006	***County:***	SAN MATEO
Status:	INACTIVE	***State :***	CA
No of Tanks:	1	***Zip:***	94010
Jurisdict:	SAN MATEO COUNTY	***Latitude:***	37.593922
Agency:	ENVIRONMENTAL HEALTH	***Longitude:***	-122.385078
Phone:		***Georesult:***	S5HPNTSCZA

Tank Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank ID:	000001	**S Contain:**	NONE
O Tank ID:		**Stg:**	
SWRCB No:	41-000-660006-000001	**Storage :**	PRODUCT
Removed:	01-01-90	**Storag Type:**	PRODUCT
Installed:	01-01-01	**P Contain:**	BARE STEEL
A Date:		**Content:**	DIESEL
Capac:	550	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	NTANK4

41	1 of 6	WNW	0.14 / 735.32	24.42 / 3	HEALTH DIAGNOSTICS OF CALIFORNIA 1860 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0045141

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

41	2 of 6	WNW	0.14 / 735.32	24.42 / 3	PLASTIC SURGERY SPECIALISTS 1860 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0029158

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

41	3 of 6	WNW	0.14 / 735.32	24.42 / 3	NORTHERN CA PRIMARY CARE ASSOC 1860 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026189

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

41	4 of 6	WNW	0.14 / 735.32	24.42 / 3	PLASTIC SURGERY SPECIALISTS 1860 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0029158
Record ID: PR0049401

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp: 8/31/2019
Strt No: 1860

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Strt Addr:		EL CAMINO REAL				
41	5 of 6	WNW	0.14 / 735.32	24.42 / 3	NORTHERN CA PRIMARY CARE ASSOC 1860 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026189
Record ID: PR0037781

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1860
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
41	6 of 6	WNW	0.14 / 735.32	24.42 / 3	HEALTH DIAGNOSTICS OF CALIFORNIA 1860 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0045141
Record ID: PR0057834

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp: 9/29/2017
Strt No: 1860
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
42	1 of 7	WSW	0.14 / 748.71	37.78 / 16	MAGNOLIA GARDENS CARE CENTER 1609 TROUSDALE BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026321

Detail(s)

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Inactive, non-billable
Program Element: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
42	2 of 7	WSW	0.14 / 748.71	37.78 / 16	SKILLED NURSING FACILITY 1609 TROUSDALE BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0040235

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Program Element: SQG HEALTH FACILITY/SNF (1-199 LB/MO)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

42	3 of 7	WSW	0.14 / 748.71	37.78 / 16	PENINSULA POST ACUTE 1609 TROUSDALE BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0057767

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Active, billable
Program Element: SQG HEALTH FACILITY/SNF (1-199 LB/MO)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

42	4 of 7	WSW	0.14 / 748.71	37.78 / 16	MAGNOLIA GARDENS 1609 TROUSDALE BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0001477

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG HEALTH FACILITY/SNF (1-199 LB/MO)

42	5 of 7	WSW	0.14 / 748.71	37.78 / 16	MAGNOLIA GARDENS 1609 TROUSDALE BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0001477
Record ID: PR0023868

Details

Status: INACTIVE
Program Element: SQG HEALTH FACILITY/SNF (1-199 LB/MO)
Curr Insp:
Strt No: 1609
Strt Addr: TROUSDALE

42	6 of 7	WSW	0.14 / 748.71	37.78 / 16	SKILLED NURSING FACILITY 1609 TROUSDALE BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0040235
Record ID: PR0056278

Details

Status: INACTIVE
Program Element: SQG HEALTH FACILITY/SNF (1-199 LB/MO)
Curr Insp:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Strt No:		1609				
Strt Addr:		TROUSDALE				

42	7 of 7	WSW	0.14 / 748.71	37.78 / 16	PENINSULA POST ACUTE 1609 TROUSDALE BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0057767
Record ID: PR0080113

Details

Status: ACTIVE
Program Element: SQG HEALTH FACILITY/SNF (1-199 LB/MO)
Curr Insp: 6/28/2020
Strt No: 1609
Strt Addr: TROUSDALE

43	1 of 2	WNW	0.14 / 758.09	25.80 / 4	TOUS LES JOURS BAKERY 1849 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0061849

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

43	2 of 2	WNW	0.14 / 758.09	25.80 / 4	SOGO BAKERY, INC 1849 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0014378

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

44	1 of 3	WNW	0.15 / 770.90	25.80 / 4	FIVE A CAFE 1851 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0002896

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

44	2 of 3	WNW	0.15 / 770.90	25.80 / 4	FIVE AS CAFE 1851 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0055039

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

44	3 of 3	WNW	0.15 / 770.90	25.80 / 4	FULL HOUSE 1851 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0057725

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

45	1 of 1	WSW	0.15 / 788.27	38.79 / 17	PENINSULA HEALTH CARE DISTRICT 1600 TROUSDALE DR BURLINGAME CA 94010	EMISSIONS

2018 Criteria Data

Facility ID: 200828
Facility SIC Code: 8099
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:

CERR Code:
TOGT: .002784974
ROGT: .002446599659
COT: .01249668
NOXT: .045791406
SOXT: .00009801
PMT: .00120692253521126760563380281690140845070704
PM10T: .001199681

2018 Toxic Data

Facility ID: 200828
Facility SIC Code: 8099
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

46	1 of 2	N	0.15 / 795.71	9.48 / -12	TAYLER PRODUCTS CORPORATION 40 BRODERICK ROAD BURLINGAME CA 94010	HHSS

County:
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002bf66.pdf

46	2 of 2	N	0.15 / 795.71	9.48 / -12	TAYLER PRODUCTS CORPORATION 40 BRODERICK ROAD	HIST TANK

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					BURLINGAME CA	

Owner Name: JAMES H. TAYLER, GEOFFREY T. TA
Owner Street: 40 BRODERICK ROAD
Owner City: BURLINGAME
Owner State: CA
Owner Zip: 94010
No of Containers: 1
County: SAN MATEO
Facility State: CA
Facility Zip: 94010

47	1 of 1	WNW	0.15 / 809.40	26.30 / 5	SUBWAY SANDWICHES & SALADS 1857 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0028235

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

48	1 of 4	WNW	0.16 / 835.14	26.86 / 6	YAO SUSHI 1861 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0029654

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

48	2 of 4	WNW	0.16 / 835.14	26.86 / 6	SUSHI SADA 1861 EL CAMINO REAL BURLINGAME CA 94402	CUPA SANMATEO

Facility ID: FA0054368

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

48	3 of 4	WNW	0.16 / 835.14	26.86 / 6	RAMEN HACHI 1861 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0062032

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
48	4 of 4	WNW	0.16 / 835.14	26.86 / 6	SUSHI SADA 1861 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0059941

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
49	1 of 4	WNW	0.16 / 856.00	24.13 / 3	PEGGY AMBUS, D.D.S. 1870 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026547

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Inactive, non-billable
Program Element: GENERATES <27 GAL/YEAR

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
49	2 of 4	WNW	0.16 / 856.00	24.13 / 3	ZIGRANG, WILLIAM D., MD 1870 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0026286

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG COMMON STORAGE AREA FAC (1-199 LB/MO)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
49	3 of 4	WNW	0.16 / 856.00	24.13 / 3	PEGGY AMBUS, D.D.S. 1870 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026547
Record ID: PR0038498

Details

Status: ACTIVE
Program Element: TIER 1 SQG REGISTRATION
Curr Insp:
Strt No: 1870
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
49	4 of 4	WNW	0.16 / 856.00	24.13 / 3	ZIGRANG, WILLIAM D., MD 1870 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0026286
Record ID: PR0037951

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Details

Status: INACTIVE
Program Element: SQG COMMON STORAGE AREA FAC (1-199 LB/MO)
Curr Insp:
Strt No: 1870
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
50	1 of 1	WNW	0.16 / 860.92	26.65 / 5	STARBUCKS COFFEE 1865 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0028550

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
51	1 of 1	N	0.17 / 915.86	11.30 / -10	TAYLER PRODUCTS CORPORATION 40 BRODERICK RD BURLINGAME CA 94010	ENVIROSTOR

Estor/EPA ID: 41280123
Site Code:
Nat Priority List: NO
APN: 025166100
Census Tract: 6081605100
Site Type: EVALUATION
Address Description: 40 BRODERICK RD
Office: CLEANUP BERKELEY
Special Program:
Funding:
Assembly District: 22
Senate District: 13
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: SAN MATEO
Latitude: 37.5975405791138
Longitude: -122.382207177735
Acres: NONE SPECIFIED
Supervisor: REFERRED - NOT ASSIGNED
Cleanup Status: NO FURTHER ACTION AS OF 3/25/1995
Cleanup Oversight Agencies: NONE SPECIFIED
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

ACID SOLUTION 2>PH WITH METALS, CONTAMINATED SOIL

Site History:

The company fabricates and distributes metal construction products.

Status: NO FURTHER ACTION
A2 Program Type: EVALUATION
CalEnviroScreen Score: 11-15%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=41280123

Completed Activities

Title: Site Screening
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date Completed: 5/7/1987
Comments: Completed Site Screening. Junction between company and storm drain was half filled with soil and black oily material.

Title: Discovery
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Discovery
Date Completed: 3/24/1981
Comments: Site Discovery. Facility was identified during drive-by. Discolored soil and evidence of waste noticed on site.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
52	1 of 6	WNW	0.17 / 923.23	26.61 / 5	CVS Pharmacy # 9811 1871 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0045571

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Program Category: MEDICAL WASTE
Billing Status: Active, billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Inactive, non-billable
Program Element: STORES HAZ MAT <219GAL,1,999LB, 879CF

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Program Category: HAZARDOUS WASTE GENERATOR (RCRA-LQG)
Billing Status: Active, billable
Program Element: GEN EXTREMELY HAZARDOUS WASTE - RCRA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
52	2 of 6	WNW	0.17 / 923.23	26.61 / 5	LONGS DRUG STORES #089 1871 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0016455

Detail(s)

Program Category: CONDITIONALLY EXEMPT (CE)
Billing Status: Inactive, non-billable
Program Element: COND EXEMPT - SPECIAL WASTES

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Inactive, non-billable
Program Element: STORES HAZ MAT <219GAL,1,999LB, 879CF

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Inactive, non-billable
Program Element: GENERATES & RECYCLES WASTE OIL/SOLVENT

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
52	3 of 6	WNW	0.17 / 923.23	26.61 / 5	LONGS DRUG STORE #89 1871 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0002770

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
52	4 of 6	WNW	0.17 / 923.23	26.61 / 5	MINUTECLINIC DIAG MED GRP OF CA INC 1871 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0054003

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Temporarily inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
52	5 of 6	WNW	0.17 / 923.23	26.61 / 5	CVS PHARMACY # 9811 1871 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0045571
Record ID: PR0064718

Details

Status: ACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp: 3/2/2019
Strt No: 1871
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
52	6 of 6	WNW	0.17 / 923.23	26.61 / 5	MINUTECLINIC DIAG MED GRP OF CA INC 1871 EL CAMINO REAL BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0054003
Record ID: PR0074616

Details

Status: ACTIVE
Program Element: TIER 1 SQG REGISTRATION
Curr Insp:
Strt No: 1871
Strt Addr: EL CAMINO REAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
53	1 of 1	E	0.18 / 963.46	9.87 / -11	BEVERLY COAT HANGER CO 35 INGOLD BURLINGAME CA 94010	CUPA SANMATEO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID: FA0065359

Detail(s)

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Active, billable
Program Element: GENERATES <27 GAL/YEAR

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Active, billable
Program Element: STORES MV FUELS OR WASTE ONLY

54	1 of 7	WNW	0.18 / 964.84	27.49 / 6	HOLIDAY CLEANERS 1883 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0040429

Detail(s)

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Active, billable
Program Element: GENERATES <27 GAL/YEAR

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

54	2 of 7	WNW	0.18 / 964.84	27.49 / 6	HOLIDAY CLEANERS 1883 EL CAMINO REAL BURLINGAME CA 94010	CLEANUP SITES

Global ID: SL0608156926
Status: COMPLETED - CASE CLOSED
Status Date: 12/28/2010
Longitude: -122.385514
Site Facility Type: CLEANUP PROGRAM SITE
County: SAN MATEO
Latitude: 37.596309
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41S0179
Local Case No:
Begin Date: 9/9/2007
Stop Method: Other Means
CUF Case: NO
Case Worker: UUU
File Location: Regional Board
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency: SAN MATEO COUNTY LOP
Potential COC: Tetrachloroethylene (PCE), Trichloroethylene (TCE), Vinyl chloride
Potential Media of Concern: Indoor Air, Other Groundwater (uses other than drinking water), Soil
How Discovered: * SA
How Discovered Description: Limited Phase II Site Assessment
Stop Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 2010-12-28 00:00:00
Action: Closure/No Further Action Letter

Action Type: ENFORCEMENT
Date : 2009-09-03 00:00:00
Action: Staff Letter

Action Type: RESPONSE
Date : 2008-07-07 00:00:00
Action: Soil and Water Investigation Workplan

Action Type: ENFORCEMENT
Date : 2008-05-30 00:00:00
Action: Staff Letter

Action Type: ENFORCEMENT
Date : 2008-03-17 00:00:00
Action: Staff Letter - #20080317

Action Type: RESPONSE
Date : 2008-01-24 00:00:00
Action: Other Report / Document

Action Type: ENFORCEMENT
Date : 2007-12-10 00:00:00
Action: Staff Letter - #20071210

Action Type: RESPONSE
Date : 2007-12-08 00:00:00
Action: Other Report / Document

Action Type: ENFORCEMENT
Date : 2007-11-08 00:00:00
Action: Staff Letter - #20071108

Action Type: Other
Date : 2007-10-03 00:00:00
Action: Leak Reported

Action Type: Other
Date : 2007-09-09 00:00:00
Action: Leak Discovery

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 2010-12-28 00:00:00

Status: Open - Site Assessment
Status Date: 2007-11-08 00:00:00

Status: Open - Case Begin Date
Status Date: 2007-09-09 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Phone No:
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Email:
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND

Cleanup Program Sites from GeoTracker Search - Regulatory Profile (as of Feb 27, 2021)

Project Status:
CUF Claim:
CUF Priority Assign:
WDR Place Type:
WDR File:
WDR Order:

CUF Amount Paid: ***File Location:*** REGIONAL BOARD
Facility Type: ***Composting Method:***
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=SL0608156926
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 12/28/2010
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=SL0608156926&tabname=regulatoryhistory
Potential COC: TETRACHLOROETHYLENE (PCE), TRICHLOROETHYLENE (TCE), VINYL CHLORIDE
Potential Media of Concern: INDOOR AIR, OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER), SOIL
GW Monitoring Freq:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 41S0179
CASEWORKER: Regional Water Board
SAN MATEO COUNTY LOP - CASE #: 669101
CASEWORKER: BRIAN GWINN
Site History:

No site history available

Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Other Regulatory Actions
Action Date: 12/28/2010
Received Issue Date: 12/28/2010
Action: Closure/No Further Action Letter
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0608156926&enforcement_id=6074629&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Other Regulatory Actions
Action Date: 9/3/2009
Received Issue Date: 9/3/2009
Action: Staff Letter
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0608156926&enforcement_id=6034800&temptable=ENFORCEMENT
Title Description Comments:

Water Board approval of 8/24/09 Well Installation Report

Action Type: Response Requested - Workplans
Action Date: 7/7/2008
Received Issue Date:
Action: Soil and Water Investigation Workplan
Doc Link:
Title Description Comments:

Soil and Water Investigation Workplan - Initial SIWP

Action Type: Other Regulatory Actions
Action Date: 5/30/2008
Received Issue Date: 5/30/2008
Action: Staff Letter
Doc Link:
Title Description Comments:

Regional Water Board becomes the lead oversight agency.

Action Type: Other Regulatory Actions

Action Date: 3/17/2008
Received Issue Date: 3/17/2008
Action: Staff Letter - #20080317
Doc Link:
Title Description Comments:

SIWP

Action Type: Response Requested - Other
Action Date: 1/24/2008
Received Issue Date: 1/28/2008
Action: Other Report / Document
Doc Link:
Title Description Comments:

Other Type of Submission by RP - RAA

Action Type: Other Regulatory Actions
Action Date: 12/10/2007
Received Issue Date: 12/10/2007
Action: Staff Letter - #20071210
Doc Link:
Title Description Comments:

RAA Response

Action Type: Response Requested - Other
Action Date: 12/8/2007
Received Issue Date:
Action: Other Report / Document
Doc Link:
Title Description Comments:

Other Type of Submission by RP - SCHEDULE FOR OPENING SITE MEETING

Action Type: Other Regulatory Actions
Action Date: 11/8/2007
Received Issue Date: 11/8/2007
Action: Staff Letter - #20071108
Doc Link:
Title Description Comments:

SCHEDULE FOR OPENING SITE MEETING

Action Type: Leak Action
Action Date: 10/3/2007
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 9/9/2007
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Sites from GeoTracker Search - Documents (as of Feb 27, 2021)

Document Type: Site Documents
Document Date: 3/23/2011*
Submitted:
Submitted By: TIM J. RUMBOLZ (AUTH_RP)

Size : 6,958 KB
Title: WELL ABANDONMENT AND SEALING ACTIVITIES
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5218897521/SL0608156926.PDF
Type: WELL DESTRUCTION REPORT

Document Type: Site Documents ***Submitted:***
Document Date: 12/28/2010 ***Submitted By:*** RANDY LEE (REGULATOR)
Size :
Title: UNKNOWN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0608156926&enforcement_id=6074629
Type: CLOSURE/NO FURTHER ACTION LETTER

Document Type: Monitoring Reports ***Submitted:***
Document Date: 8/13/2010* ***Submitted By:*** TIM J. RUMBOLZ (AUTH_RP)
Size : 14,145 KB
Title: GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7990884363/SL0608156926.PDF
Type: MONITORING REPORT - ANNUALLY

Document Type: Site Documents ***Submitted:***
Document Date: 9/3/2009 ***Submitted By:*** RANDY LEE (REGULATOR)
Size :
Title: WATER BOARD APPROVAL OF 8/24/09 WELL INSTALLATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0608156926&enforcement_id=6034800
Type: STAFF LETTER

Document Type: Site Documents ***Submitted:***
Document Date: 8/24/2009* ***Submitted By:*** TIM J. RUMBOLZ (AUTH_RP)
Size : 10,636 KB
Title: WELL INSTALLATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4978293180/SL0608156926.PDF
Type: WELL INSTALLATION REPORT

Document Type: Site Documents ***Submitted:***
Document Date: 4/28/2009* ***Submitted By:*** TIM J. RUMBOLZ (AUTH_RP)
Size : 5,101 KB
Title: WORK PLAN, ADDITIONAL SITE ASSESSMENT - GROUNDWATER MONITORING WELL INSTALLATION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2540152311/SL0608156926.PDF
Type: SITE INVESTIGATION WORKPLAN

Document Type: Site Documents ***Submitted:***
Document Date: 10/31/2008* ***Submitted By:*** TIM J. RUMBOLZ (AUTH_RP)
Size : 8,843 KB
Title: SUMMARY REPORT, LIMITED ADDITIONAL SUBSURFACE INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1272243678/SL0608156926.PDF
Type: SOIL AND WATER INVESTIGATION REPORT

Sites from GeoTracker Search - Site Maps (as of Feb 27, 2021)

Title: MW-3 (MW-3) ***Submitted By:*** TIM J. RUMBOLZ (AUTH_RP)
Size : 94 KB ***Submitted:*** 8/24/2009*
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9099539518/SL0608156926.PDF

Title: MW-1 (MW-1) ***Submitted By:*** TIM J. RUMBOLZ (AUTH_RP)
Size : 85 KB ***Submitted:*** 8/24/2009*
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8603585660/SL0608156926.PDF

Title: MW-4 (MW-4) ***Submitted By:*** TIM J. RUMBOLZ (AUTH_RP)
Size : 83 KB ***Submitted:*** 8/24/2009*
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7951806187/SL0608156926.PDF

Title: MW-2 (MW-2) ***Submitted By:*** TIM J. RUMBOLZ (AUTH_RP)
Size : 94 KB ***Submitted:*** 8/24/2009*
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2173837125/SL0608156926.PDF

Title: B11 BORING LOG (B11) ***Submitted By:*** TIM J. RUMBOLZ (AUTH_RP)
Size : 67 KB ***Submitted:*** 10/31/2008*
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4080204844/SL0608156926.PDF

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title: B7 BORING LOG (B7) **Submitted By:** TIM J. RUMBOLZ (AUTH_RP)
Size : 70 KB **Submitted:** 10/31/2008*
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2641876697/SL0608156926.PDF

Title: B10 BORING LOG (B10) **Submitted By:** TIM J. RUMBOLZ (AUTH_RP)
Size : 68 KB **Submitted:** 10/31/2008*
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2364534676/SL0608156926.PDF

Title: B8 BORING LOG (B8) **Submitted By:** TIM J. RUMBOLZ (AUTH_RP)
Size : 70 KB **Submitted:** 10/31/2008*
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8225078761/SL0608156926.PDF

Title: B9 BORING LOG (B9) **Submitted By:** TIM J. RUMBOLZ (AUTH_RP)
Size : 75 KB **Submitted:** 10/31/2008*
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4555266439/SL0608156926.PDF

Title: B6 BORING LOG (B6) **Submitted By:** TIM J. RUMBOLZ (AUTH_RP)
Size : 66 KB **Submitted:** 10/31/2008*
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3127472400/SL0608156926.PDF

Sites from GeoTracker Search - Cleanup Status History (as of Feb 27, 2021)

Status: Completed - Case Closed
Date : 12/28/2010

Status: Open - Site Assessment
Date : 11/8/2007

Status: Open - Case Begin Date
Date : 9/9/2007

54	3 of 7	WNW	0.18 / 964.84	27.49 / 6	HOLIDAY CLEANERS 1883 EL CAMINO REAL BURLINGAME CA 940100000	DRYCLEANERS

EPA ID: CAD981631849
Create Date: 4/10/1987
Facility Act Ind: No
Inact Date: 6/30/2016
Reason: SIC/NAICS
Region Code: 2
DD Latitude: 37.59632
DD Longitude: -122.38556
Facility County Code: 41
Mail Name:
Owner Name: PETER SUNG Y YOO
Owner Street 1: 1883 EL CAMINO REAL
Owner Street 2:
Owner City: BURLINGAME
Owner State: CA
Owner Zip: 940100000
Owner Phone: 6506977060
Owner Fax: 0
Contact Name: PETER SUNG Y YOO
Contact Street 1: 1883 EL CAMINO REAL
Contact Street 2:
Contact City: BURLINGAME
Contact State: CA
Contact Zip: 94010
Contact Phone: 6506977060
Contact Fax: 0

NAICS Details

NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial

54	4 of 7	WNW	0.18 / 964.84	27.49 / 6	HOLIDAY CLEANERS 1883 EL CAMINO REAL BURLINGAME CA 940103220	DRYCLEANERS

EPA ID: CAL000331385
Create Date: 4/7/2008 3:24:56 PM
Facility Act Ind: No
Inact Date: 6/30/2020
Owner City: BURLINGAME
Owner State: CA
Owner Zip: 940103220
Owner Phone: 6506977060

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Reason:	SIC/NAICS	**Owner Fax:**	
Region Code:	2	**Contact Name:**	PETER YOO
DD Latitude:	37.596273	**Contact Street 1:**	1883 EL CAMINO REAL
DD Longitude:	-122.385644	**Contact Street 2:**	
Facility County Code:	41	**Contact City:**	BURLINGAME
Mail Name:		**Contact State:**	CA
Owner Name:	PETER YOO	**Contact Zip:**	940103220
Owner Street 1:	1883 EL CAMINO REAL	**Contact Phone:**	6506977060
Owner Street 2:		**Contact Fax:**	

NAICS Details

NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial

54	5 of 7	WNW	0.18 / 964.84	27.49 / 6	**HOLIDAY CLEANERS** **1883 EL CAMINO REAL** **BURLINGAME CA 94010**	**CUPA SANMATEO**

Facility ID: FA0007528

Detail(s)

Program Category:	BUSINESS PLAN PROGRAM
Billing Status:	Inactive, non-billable
Program Element:	STORES HAZ MAT <219GAL,1,999LB, 879CF
Program Category:	STORMWATER
Billing Status:	Inactive, non-billable
Program Element:	STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Program Category:	HAZARDOUS WASTE PROGRAM
Billing Status:	Inactive, non-billable
Program Element:	GENERATES <27 GAL/YEAR

54	6 of 7	WNW	0.18 / 964.84	27.49 / 6	**HOLIDAY CLEANERS** **1883 EL CAMINO REAL** **BURLINGAME CA 94010**	**EMISSIONS**

1990 Criteria Data

Facility ID:	5415	**CERR Code:**	
Facility SIC Code:	7216	**TOGT:**	.8
CO:	41	**ROGT:**	0
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	SM	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1990 Toxic Data

Facility ID:	5415	**COID:**	SM
Facility SIC Code:	7216	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			

Non-Cancer Acute Haz Ind:

1993 Criteria Data

Facility ID:	5415	***CERR Code:***	
Facility SIC Code:	7216	***TOGT:***	1
CO:	41	***ROGT:***	0
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	SM	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1993 Toxic Data

Facility ID:	5415	***COID:***	SM
Facility SIC Code:	7216	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1995 Criteria Data

Facility ID:	5415	***CERR Code:***	
Facility SIC Code:	7216	***TOGT:***	1.2
CO:	41	***ROGT:***	0
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	SM	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1995 Toxic Data

Facility ID:	5415	***COID:***	SM
Facility SIC Code:	7216	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1996 Criteria Data

Facility ID:	5415	***CERR Code:***	
Facility SIC Code:	7216	***TOGT:***	1.2
CO:	41	***ROGT:***	0
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	SM	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1996 Toxic Data

Facility ID:	5415	***COID:***	SM

Facility SIC Code:	7216	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1997 Criteria Data

Facility ID:	5415	**CERR Code:**	
Facility SIC Code:	7216	**TOGT:**	.4
CO:	41	**ROGT:**	0
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	SM	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1997 Toxic Data

Facility ID:	5415	**COID:**	SM
Facility SIC Code:	7216	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1998 Criteria Data

Facility ID:	5415	**CERR Code:**	
Facility SIC Code:	7216	**TOGT:**	.2
CO:	41	**ROGT:**	0
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	SM	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1998 Toxic Data

Facility ID:	5415	**COID:**	SM
Facility SIC Code:	7216	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1999 Criteria Data

Facility ID:	5415	**CERR Code:**	
Facility SIC Code:	7216	**TOGT:**	.27
CO:	41	**ROGT:**	0
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	SM	**SOXT:**	

DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1999 Toxic Data

Facility ID:	5415	**COID:**	SM
Facility SIC Code:	7216	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2000 Criteria Data

Facility ID:	5415	**CERR Code:**	
Facility SIC Code:	7216	**TOGT:**	.27
CO:	41	**ROGT:**	0
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	SM	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2000 Toxic Data

Facility ID:	5415	**COID:**	SM
Facility SIC Code:	7216	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2001 Criteria Data

Facility ID:	5415	**CERR Code:**	
Facility SIC Code:	7216	**TOGT:**	.23
CO:	41	**ROGT:**	0
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	SM	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2001 Toxic Data

Facility ID:	5415	**COID:**	SM
Facility SIC Code:	7216	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2002 Toxic Data

Facility ID: 5415
Facility SIC Code: 7216
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2003 Criteria Data

Facility ID: 5415
Facility SIC Code: 7216
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .172
ROGT: .12
COT:
NOXT:
SOXT:
PMT:
PM10T:

2003 Toxic Data

Facility ID: 5415
Facility SIC Code: 7216
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2004 Criteria Data

Facility ID: 5415
Facility SIC Code: 7216
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .172
ROGT: .1201592
COT:
NOXT:
SOXT:
PMT:
PM10T:

2004 Toxic Data

Facility ID: 5415
Facility SIC Code: 7216
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2005 Criteria Data

Facility ID: 5415
Facility SIC Code: 7216
CO: 41
Air Basin: SF
CERR Code:
TOGT: .27
ROGT: .188622
COT:

District:	BA	***NOXT:***	
COID:	SM	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2005 Toxic Data

Facility ID:	5415	***COID:***	SM
Facility SIC Code:	7216	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	5415	***CERR Code:***	
Facility SIC Code:	7216	***TOGT:***	.148
CO:	41	***ROGT:***	0
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	SM	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2006 Toxic Data

Facility ID:	5415	***COID:***	SM
Facility SIC Code:	7216	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	5415	***CERR Code:***	
Facility SIC Code:	7216	***TOGT:***	.148
CO:	41	***ROGT:***	.1033928
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	SM	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2007 Toxic Data

Facility ID:	5415	***COID:***	SM
Facility SIC Code:	7216	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

2008 Criteria Data

Facility ID:	5415	***CERR Code:***	
Facility SIC Code:	7216	***TOGT:***	.544
CO:	41	***ROGT:***	.2617928
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	SM	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2008 Toxic Data

Facility ID:	5415	***COID:***	SM
Facility SIC Code:	7216	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	5415	***CERR Code:***	
Facility SIC Code:	7216	***TOGT:***	.148
CO:	41	***ROGT:***	0
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	SM	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2009 Toxic Data

Facility ID:	5415	***COID:***	SM
Facility SIC Code:	7216	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	5415	***COID:***	SM
Facility SIC Code:	7216	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

54	***7 of 7***	***WNW***	***0.18 / 964.84***	***27.49 / 6***	***HOLIDAY CLEANERS 1883 EL CAMINO REAL BURLINGAME CA 94010***	***FED DRYCLEANERS***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

FRS Facility ID: 110001197981
NPDES IDs:
NAICS Codes: 81232
SIC Codes:
Latitude: 37.59613
Longitude: -122.38574

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55 | **1 of 1** | **NNE** | **0.18 / 973.83** | **10.08 / -11** | **TAYLER PRODUCTS CORPORATION**
40 BRODERICK
BURLINGAME CA 94010 | **CALSITES**

ID No: 41280123
Status Date: 03/25/1995
NPL:
Tier:
Fund:
Access :
Access Code: NOT REPORTED
Cortese:
Hrscore:
Hrsdate:
Groundwater Contam:
GW Code: NOT REPORTED
No Sources: 0
RWQCB Name: SAN FRANCISCO BAY
Branch Name: NORTH COAST
Staff:
Senior:

Assembly:
Senate:
Region: 2
Region Name: BERKELEY
County Co: 41
Facility County: SAN MATEO
Lat Deg: 0
Lat Min: 0
Lat Sec: 0
Lat Dir:
Long Deg: 0
Long Min: 0
Long Sec: 0
Long Dir:
LImethod:
LIdesc:

Status Name: NO FURTHER ACTION FOR DTSC
Type Name: N/A
Lead Name: N/A
SIC Name: MANU - CHEMICALS & ALLIED PRODUCTS
Filename:
Comments:

FACILITY IDENTIFIED IDENTIFIEDON DRIVEBY FACILITY DRIVE-BY DISCOLORED SOIL ON SITE. EVIDENCE OF WST FINAL STRATEGY SITE REFERRED: TO RWQCB QUESTIONNAIRE RECEIVED SITE SCREENING DONE FABRICATES METAL CONSTRUCTION PRODUCTS, DISTRIBUTES PRODUCTS. JUNCTION BETWEEN COMPANY AND STORM DRAIN HALF FILLED WITH SOIL AND BLACK OILY MATERIAL.

Background:

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56 | **1 of 10** | **WNW** | **0.19 / 990.22** | **24.57 / 3** | **UNOCAL #3798**
1876 EL CAMINO REAL
BURLINGAME CA | **LOP**
SANMATEO

Case No: 660031
APN: 025150160
Case Type: O- Other Groundwater affected (uses other than drinking water)
Global ID: T0608100575

LUST Status

Status: 5C- Pollution Characterization

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56 | **2 of 10** | **WNW** | **0.19 / 990.22** | **24.57 / 3** | **TOSCO SITE 30564**
1876 EL CAMINO REAL
BURLINGAME CA 94010 | **DELISTED TNK**

Delisted Storage Tanks

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID: 41--12224
Permitting Agency: SAN MATEO COUNTY
County: San Mateo
Original Source: UST
Record Date: 30-JAN-2017
Latitude: 37.59817
Longitude: -122.383662

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56 | **3 of 10** | **WNW** | **0.19 / 990.22** | **24.57 / 3** | **UNOCAL STATION #3798**
1876 EL CAMINO REAL
BURLINGAME CA 94010 | **LUST**

Global ID: T0608100575
Status: OPEN - REMEDIATION
Status Date: 1/6/2016
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.596869546
Longitude: -122.38507356

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41-0603
Local Case No: 660031
Begin Date: 4/27/1989
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: YES
Potential COC: Gasoline
How Discovered: Tank Closure
Stop Method: Other Means
Stop Description:
Case Worker: BG
File Location: Local Agency
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description: Initial gw samples from MW-1 through MW-3
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:

Can be extracted from most recent report in Geotracker or at San Mateo County offices if submitted prior to 2005, San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report.

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: RESPONSE
Date : 11/15/2021
Action: Remedial Progress Report

Action Type: RESPONSE
Date : 8/15/2021
Action: Remedial Progress Report

Action Type: RESPONSE
Date : 5/15/2021
Action: Remedial Progress Report

Action Type: RESPONSE
Date : 2/15/2021
Action: Remedial Progress Report

Action Type: ENFORCEMENT
Date : 12/17/2020
Action: Staff Letter - #20201217

Action Type: RESPONSE
Date : 11/15/2020
Action: Remedial Progress Report - Regulator Responded

Action Type: ENFORCEMENT
Date : 10/27/2020
Action: Email Correspondence - #20201027

Action Type: RESPONSE
Date : 8/15/2020
Action: Remedial Progress Report - Regulator Responded

Action Type: RESPONSE
Date : 8/7/2020
Action: Correspondence

Action Type: ENFORCEMENT
Date : 6/16/2020
Action: Staff Letter

Action Type: RESPONSE
Date : 5/15/2020
Action: Remedial Progress Report - Regulator Responded

Action Type: ENFORCEMENT
Date : 4/10/2020
Action: Staff Letter - #20200410

Action Type: RESPONSE
Date : 2/15/2020
Action: Remedial Progress Report - Regulator Responded

Action Type: ENFORCEMENT
Date : 12/3/2019
Action: Staff Letter - #20191203

Action Type: REMEDIATION
Date : 11/18/2019
Action: Dual Phase Extraction

Action Type: RESPONSE
Date : 11/15/2019
Action: Remedial Progress Report - Regulator Responded

Action Type: RESPONSE
Date : 11/8/2019
Action: Remedial Progress Report

Action Type: RESPONSE
Date : 10/25/2019
Action: Remedial Progress Report

Action Type: RESPONSE
Date : 10/11/2019
Action: Remedial Progress Report

Action Type: RESPONSE
Date : 9/13/2019
Action: Remedial Progress Report

Action Type: RESPONSE
Date : 8/30/2019
Action: Remedial Progress Report

Action Type: RESPONSE
Date : 8/15/2019
Action: Remedial Progress Report

Action Type: ENFORCEMENT
Date : 8/13/2019
Action: Staff Letter - #20190813

Action Type: RESPONSE
Date : 8/2/2019
Action: Email Correspondence - Regulator Responded

Action Type: RESPONSE
Date : 5/15/2019
Action: Remedial Progress Report

Action Type: ENFORCEMENT
Date : 4/9/2019
Action: Staff Letter - #20190409

Action Type: RESPONSE
Date : 3/22/2019
Action: Correspondence - Regulator Responded

Action Type: REMEDIATION
Date : 2/27/2019
Action: Dual Phase Extraction

Action Type: ENFORCEMENT
Date : 2/11/2019
Action: Email Correspondence - #20190211

Action Type: RESPONSE
Date : 12/27/2018
Action: Email Correspondence

Action Type: RESPONSE
Date : 12/3/2018
Action: Email Correspondence

Action Type: RESPONSE
Date : 11/15/2018
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 9/6/2018
Action: Email Correspondence

Action Type: RESPONSE
Date : 8/21/2018
Action: Email Correspondence

Action Type: ENFORCEMENT
Date : 8/10/2018
Action: Staff Letter - #20180810

Action Type: RESPONSE
Date : 5/15/2018
Action: Monitoring Report - Semi-Annually - Regulator Responded

Action Type: ENFORCEMENT
Date : 5/10/2018
Action: Email Correspondence - #20180510

Action Type: ENFORCEMENT
Date : 1/18/2018
Action: Email Correspondence - #201080118

Action Type: ENFORCEMENT
Date : 1/4/2018
Action: Email Correspondence - #20180104

Action Type: ENFORCEMENT
Date : 1/3/2018
Action: Staff Letter - #20180103

Action Type: RESPONSE
Date : 11/15/2017
Action: Monitoring Report - Semi-Annually - Regulator Responded

Action Type: RESPONSE

Date : 8/15/2017
Action: Remedial Progress Report

Action Type: ENFORCEMENT
Date : 8/8/2017
Action: Email Correspondence - #20170808

Action Type: RESPONSE
Date : 5/15/2017
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 5/15/2017
Action: Remedial Progress Report

Action Type: ENFORCEMENT
Date : 3/30/2017
Action: Staff Letter - #20170330

Action Type: ENFORCEMENT
Date : 12/20/2016
Action: Staff Letter - #20161220

Action Type: RESPONSE
Date : 11/15/2016
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 8/16/2016
Action: Email Correspondence - #20160816

Action Type: RESPONSE
Date : 6/30/2016
Action: Well Installation Report

Action Type: RESPONSE
Date : 5/15/2016
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 1/6/2016
Action: Staff Letter - #20160106

Action Type: RESPONSE
Date : 11/17/2015
Action: CAP/RAP - Other Report - Regulator Responded

Action Type: RESPONSE
Date : 11/15/2015
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 5/28/2015
Action: Staff Letter - #20150528

Action Type: RESPONSE
Date : 5/15/2015
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 3/31/2015
Action: CAP/RAP - Feasibility Study Report - Regulator Responded

Action Type: ENFORCEMENT
Date : 2/9/2015
Action: Staff Letter - #20150209

Action Type: RESPONSE
Date : 11/15/2014

Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 10/7/2014
Action: Staff Letter - #20141007

Action Type: ENFORCEMENT
Date : 7/23/2014
Action: Technical Correspondence / Assistance / Other - #20140723

Action Type: RESPONSE
Date : 5/15/2014
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 5/7/2014
Action: Staff Letter - #20140507

Action Type: RESPONSE
Date : 4/10/2014
Action: Pilot Study/ Treatability Report

Action Type: REMEDIATION
Date : 3/3/2014
Action: Soil Vapor Extraction (SVE)

Action Type: REMEDIATION
Date : 2/25/2014
Action: Dual Phase Extraction

Action Type: RESPONSE
Date : 11/15/2013
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 10/22/2013
Action: Staff Letter - #20131022

Action Type: RESPONSE
Date : 8/28/2013
Action: Pilot Study / Treatability Workplan - Regulator Responded

Action Type: RESPONSE
Date : 5/15/2013
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 2/28/2013
Action: Staff Letter - #20130228

Action Type: ENFORCEMENT
Date : 12/27/2012
Action: Technical Correspondence / Assistance / Other - #20121227

Action Type: ENFORCEMENT
Date : 12/20/2012
Action: Warning Letter - #20121220

Action Type: RESPONSE
Date : 11/15/2012
Action: Correspondence

Action Type: RESPONSE
Date : 11/15/2012
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 9/26/2012
Action: Staff Letter - #20120926

Action Type: RESPONSE
Date : 9/15/2012
Action: Correspondence

Action Type: ENFORCEMENT
Date : 7/30/2012
Action: Technical Correspondence / Assistance / Other - #20120730

Action Type: ENFORCEMENT
Date : 7/17/2012
Action: Staff Letter - #20120717

Action Type: RESPONSE
Date : 7/11/2012
Action: Pilot Study/ Treatability Report

Action Type: RESPONSE
Date : 5/15/2012
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 3/12/2012
Action: Technical Correspondence / Assistance / Other - #20120312

Action Type: RESPONSE
Date : 3/9/2012
Action: Correspondence

Action Type: ENFORCEMENT
Date : 2/28/2012
Action: Staff Letter - #20120228

Action Type: RESPONSE
Date : 11/15/2011
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 9/15/2011
Action: Pilot Study/ Treatability Report

Action Type: RESPONSE
Date : 9/15/2011
Action: Site Assessment Report

Action Type: REMEDIATION
Date : 7/11/2011
Action: In Situ Physical/Chemical Treatment (other than SVE)

Action Type: ENFORCEMENT
Date : 6/30/2011
Action: Technical Correspondence / Assistance / Other - #20110630

Action Type: RESPONSE
Date : 5/15/2011
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 1/10/2011
Action: Staff Letter - #20110110

Action Type: RESPONSE
Date : 12/31/2010
Action: Correspondence

Action Type: ENFORCEMENT
Date : 11/22/2010
Action: Staff Letter - #20101122

Action Type: RESPONSE
Date : 11/15/2010
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 11/1/2010
Action: Pilot Study / Treatability Workplan

Action Type: ENFORCEMENT
Date : 9/8/2010
Action: Technical Correspondence / Assistance / Other - #20100908

Action Type: RESPONSE
Date : 8/31/2010
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 5/15/2010
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 5/15/2010
Action: Correspondence

Action Type: RESPONSE
Date : 3/31/2010
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 2/18/2010
Action: Staff Letter - #20100218

Action Type: RESPONSE
Date : 12/31/2009
Action: Correspondence

Action Type: ENFORCEMENT
Date : 12/23/2009
Action: Technical Correspondence / Assistance / Other - #20091223

Action Type: RESPONSE
Date : 11/14/2009
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 10/29/2009
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 10/21/2009
Action: Technical Correspondence / Assistance / Other - #20091021

Action Type: ENFORCEMENT
Date : 10/21/2009
Action: Staff Letter - #20091021

Action Type: ENFORCEMENT
Date : 7/21/2009
Action: Staff Letter - #20090721

Action Type: ENFORCEMENT
Date : 6/1/2009
Action: Staff Letter - #20090601

Action Type: RESPONSE
Date : 5/15/2009
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT

Date : 12/15/2008
Action: Staff Letter - #20081215

Action Type: RESPONSE
Date : 12/3/2008
Action: Unauthorized Release Form

Action Type: ENFORCEMENT
Date : 12/2/2008
Action: Staff Letter - #20081202

Action Type: RESPONSE
Date : 11/21/2008
Action: CAP/RAP - Feasibility Study Report

Action Type: RESPONSE
Date : 11/15/2008
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 5/30/2008
Action: Soil and Water Investigation Workplan

Action Type: RESPONSE
Date : 5/15/2008
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 2/29/2008
Action: Electronic Reporting Submittal Due

Action Type: ENFORCEMENT
Date : 1/15/2008
Action: Staff Letter - #20080115

Action Type: RESPONSE
Date : 11/15/2007
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 8/27/2007
Action: Electronic Reporting Submittal Due

Action Type: ENFORCEMENT
Date : 7/25/2007
Action: File review - #20070725

Action Type: RESPONSE
Date : 5/31/2007
Action: Risk Assessment Report

Action Type: RESPONSE
Date : 5/15/2007
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 1/25/2007
Action: Staff Letter - #20070125

Action Type: RESPONSE
Date : 12/11/2006
Action: Soil and Water Investigation Workplan - Addendum

Action Type: RESPONSE
Date : 12/11/2006
Action: Electronic Reporting Submittal Due

Action Type: RESPONSE
Date : 11/15/2006

Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 11/6/2006
Action: Staff Letter - #20061106

Action Type: ENFORCEMENT
Date : 11/3/2006
Action: Staff Letter - #20061103

Action Type: ENFORCEMENT
Date : 11/2/2006
Action: Staff Letter - #20061102

Action Type: ENFORCEMENT
Date : 9/14/2006
Action: Notice of Violation - #20060914

Action Type: ENFORCEMENT
Date : 8/16/2006
Action: Technical Correspondence / Assistance / Other - #20060816

Action Type: RESPONSE
Date : 6/14/2006
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 5/15/2006
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 5/4/2006
Action: Staff Letter - #20060504

Action Type: ENFORCEMENT
Date : 4/10/2006
Action: Technical Correspondence / Assistance / Other - #20060406

Action Type: ENFORCEMENT
Date : 2/22/2006
Action: Staff Letter - #20060222

Action Type: RESPONSE
Date : 2/17/2006
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 12/15/2005
Action: Soil and Water Investigation Workplan

Action Type: RESPONSE
Date : 11/15/2005
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 11/1/2005
Action: Staff Letter - #20051101

Action Type: ENFORCEMENT
Date : 10/6/2005
Action: Staff Letter - #20051006

Action Type: ENFORCEMENT
Date : 9/8/2005
Action: Staff Letter - #20050908

Action Type: ENFORCEMENT
Date : 6/29/2005
Action: Site Visit / Inspection / Sampling

Action Type: RESPONSE
Date : 5/16/2005
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 4/11/2005
Action: Other Report / Document

Action Type: RESPONSE
Date : 3/28/2005
Action: Electronic Reporting Submittal Due

Action Type: RESPONSE
Date : 3/28/2005
Action: Correspondence

Action Type: RESPONSE
Date : 3/28/2005
Action: Other Report / Document

Action Type: RESPONSE
Date : 3/28/2005
Action: Soil and Water Investigation Workplan

Action Type: ENFORCEMENT
Date : 1/4/2005
Action: Notice of Violation - #20050104

Action Type: ENFORCEMENT
Date : 1/4/2005
Action: Staff Letter - #20050104

Action Type: RESPONSE
Date : 11/15/2004
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 9/16/2004
Action: Staff Letter - #20040916

Action Type: RESPONSE
Date : 6/16/2004
Action: Conceptual Site Model

Action Type: RESPONSE
Date : 6/16/2004
Action: Well Installation Report

Action Type: RESPONSE
Date : 6/16/2004
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 4/23/2004
Action: Technical Correspondence / Assistance / Other - #20040423

Action Type: RESPONSE
Date : 4/15/2004
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 3/31/2004
Action: Staff Letter - #20040331

Action Type: RESPONSE
Date : 3/31/2004
Action: Other Report / Document

Action Type: RESPONSE
Date : 3/31/2004
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 3/31/2004
Action: Correspondence

Action Type: ENFORCEMENT
Date : 3/23/2004
Action: Staff Letter - #20040323

Action Type: RESPONSE
Date : 3/10/2004
Action: Soil and Water Investigation Workplan

Action Type: ENFORCEMENT
Date : 3/4/2004
Action: Staff Letter - #20040304

Action Type: RESPONSE
Date : 2/25/2004
Action: Correspondence

Action Type: ENFORCEMENT
Date : 1/8/2004
Action: Staff Letter - #20040108

Action Type: ENFORCEMENT
Date : 10/2/2003
Action: Staff Letter - #20031002

Action Type: RESPONSE
Date : 9/21/2003
Action: Correspondence

Action Type: ENFORCEMENT
Date : 9/11/2003
Action: Staff Letter - #20030911

Action Type: RESPONSE
Date : 9/11/2003
Action: Other Report / Document

Action Type: ENFORCEMENT
Date : 7/31/2003
Action: Staff Letter - #20030731

Action Type: RESPONSE
Date : 3/31/2003
Action: Soil and Water Investigation Workplan - Addendum

Action Type: RESPONSE
Date : 1/31/2003
Action: Correspondence

Action Type: ENFORCEMENT
Date : 12/26/2002
Action: Staff Letter - #20021226

Action Type: RESPONSE
Date : 9/26/2002
Action: Corrective Action Plan / Remedial Action Plan

Action Type: RESPONSE
Date : 9/26/2002
Action: Soil and Water Investigation Workplan - Addendum

Action Type: ENFORCEMENT

Date : 8/21/2002
Action: Staff Letter - #20020821

Action Type: RESPONSE
Date : 7/16/2002
Action: Soil and Water Investigation Workplan

Action Type: RESPONSE
Date : 7/16/2002
Action: Remedial Progress Report

Action Type: ENFORCEMENT
Date : 5/22/2002
Action: Staff Letter - #20020522

Action Type: REMEDIATION
Date : 7/8/1994
Action: Excavation

Action Type: ENFORCEMENT
Date : 9/15/1989
Action: Notice of Responsibility - #19890915

Action Type: Other
Date : 4/27/1989
Action: Leak Reported

Action Type: Other
Date : 4/20/1989
Action: Leak Stopped

Action Type: REMEDIATION
Date : 4/20/1989
Action: Excavation

Action Type: Other
Date : 4/20/1989
Action: Leak Discovery

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone No:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Remediation
Status Date: 1/6/2016

Status: Open - Site Assessment
Status Date: 7/12/2011

Status: Open - Remediation
Status Date: 7/11/2011

Status: Open - Site Assessment
Status Date: 6/1/1989

Status: Open - Case Begin Date
Status Date: 4/27/1989

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name:	UNOCAL STATION #3798	***Potential COC:***	GASOLINE
Site Facility Type:	LUST CLEANUP SITE	***Facility Type:***	
Cleanup Status:	OPEN - REMEDIATION	***Composting Method:***	
Project Status:		***Address:***	1876 EL CAMINO REAL
WDR Place Type:		***City:***	BURLINGAME
WDR File:		***Zip:***	94010
WDR Order:		***County:***	SAN MATEO
CUF Priority Assig:	D	***CUF Claim:***	6694
CUF Amount Paid:	$1,340,259		

File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608100575
Cleanup Status Detail: OPEN - REMEDIATION AS OF 1/6/2016
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608100575&tabname=regulatoryhistory
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 660031
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0603
CASEWORKER: Regional Water Board
Gndwater Monitoring Freque: # OF WELLS MONITORED - SEMI-ANNUALLY : 10, ANNUALLY : 12, OTHER : 16
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

Can be extracted from most recent report in Geotracker or at San Mateo County offices if submitted prior to 2005, San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report.

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Open - Remediation
Date : 1/6/2016

Status: Open - Site Assessment
Date : 7/12/2011

Status: Open - Remediation
Date : 7/11/2011

Status: Open - Site Assessment
Date : 6/1/1989

Status: Open - Case Begin Date
Date : 4/27/1989

LUST Sites from GeoTracker Search - Cleanup Action Report (as of Feb 27, 2021)

Action Type:	DUAL PHASE EXTRACTION	***Begin Date:***	11/18/2019
Phase:	Soil Vapor, Water	***End Date:***	9/30/2020
Contaminant Mass Removed:	4,886 Pounds		
Description:			

Action Type:	DUAL PHASE EXTRACTION	***Begin Date:***	2/27/2019
Phase:	Soil Vapor	***End Date:***	3/29/2019
Contaminant Mass Removed:	3 Pounds		
Description:			

Action Type: SOIL VAPOR EXTRACTION (SVE) **Begin Date:** 3/3/2014
Phase: Soil Vapor **End Date:** 3/4/2014
Contaminant Mass Removed: 12 Pounds
Description: SVE pilot test on SVE-1 (24 hour). The last 4 hours of the test included air sparging on AS-1.

Action Type: DUAL PHASE EXTRACTION **Begin Date:** 2/25/2014
Phase: Soil Vapor **End Date:** 2/28/2014
Contaminant Mass Removed: 643 Pounds
Description: MPE pilot testing on RW-3

Action Type: IN SITU PHYSICAL/CHEMICAL TREATMENT (OTHER THAN SVE) **Begin Date:** 7/11/2011
Phase: **End Date:** 7/12/2011
Contaminant Mass Removed:
Description: Ozone injection pilot test (12 hour). Pilot testing report did not estimate any amount of contaminant removed/destroyed during the test.

Action Type: EXCAVATION **Begin Date:** 7/8/1994
Phase: Soil **End Date:** 7/8/1994
Contaminant Mass Removed: 0
Description: Excavated approximately 54 cu. yds. beneath the dispensers and product line trenches. Actual mass of contaminants in the excavated soil is significantly less and not estimatable.

Action Type: EXCAVATION **Begin Date:** 4/20/1989
Phase: Soil **End Date:** 4/28/1989
Contaminant Mass Removed: 0
Description: Excavated approximately 50 cu. yds. from the waste oil UST cavity to remove visual signs of contamination. Actual mass of contaminants in the excavated soil is significantly less and not estimatable.

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Other Regulatory Actions
Action Date: 12/17/2020
Received Issue Date: 12/17/2020
Action: Staff Letter - #20201217
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6453849&temptable=ENFORCEMENT
Title Description Comments:

LOP letter concurrence with continued DPE system operation and semi-annual groundwater monitoring, with request to evaluate and optimize certain aspects of DPE ops and reporting

Action Type: Response Requested - Reports
Action Date: 11/15/2020
Received Issue Date: 11/12/2020
Action: Remedial Progress Report - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=6009791
Title Description Comments:

3Q20 RPR & GWMR

Action Type: Other Regulatory Actions
Action Date: 10/27/2020
Received Issue Date: 10/27/2020
Action: Email Correspondence - #20201027
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6450801&temptable=ENFORCEMENT
Title Description Comments:

GPP email concurring with continued DPE system ops and GW monitoring

Action Type: Response Requested - Reports
Action Date: 8/15/2020
Received Issue Date: 8/13/2020
Action: Remedial Progress Report - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=6009790

Title Description Comments:

2Q20 RPR

Action Type: Response Requested - Other
Action Date: 8/7/2020
Received Issue Date: 8/7/2020
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=6029937
Title Description Comments:

Consultant contact change info

Action Type: Other Regulatory Actions
Action Date: 6/16/2020
Received Issue Date: 6/16/2020
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6438377&temptable=ENFORCEMENT
Title Description Comments:

LOP direction to continue DPE system ops and semi-annual GW monitoring

Action Type: Response Requested - Reports
Action Date: 5/15/2020
Received Issue Date: 4/27/2020
Action: Remedial Progress Report - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=6009789
Title Description Comments:

1Q20 RPR & GWMR

Action Type: Other Regulatory Actions
Action Date: 4/10/2020
Received Issue Date: 4/10/2020
Action: Staff Letter - #20200410
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6432092&temptable=ENFORCEMENT
Title Description Comments:

LOP comments to remedial system status and shuttering during COVID-19 Shelter in Place Order

Action Type: Response Requested - Reports
Action Date: 2/15/2020
Received Issue Date: 2/14/2020
Action: Remedial Progress Report - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=6009788
Title Description Comments:

4Q19 RPR

Action Type: Other Regulatory Actions
Action Date: 12/3/2019
Received Issue Date: 12/3/2019
Action: Staff Letter - #20191203
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6421824&temptable=ENFORCEMENT
Title Description Comments:

LOP requirement for quarterly DPE remedial progress reports and semi-annual groundwater monitoring reports

Action Type: Response Requested - Reports
Action Date: 11/15/2019
Received Issue Date: 11/6/2019

Action: Remedial Progress Report - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=6001553
Title Description Comments:

3Q19 Groundwater Monitoring and Remedial Status Report

Action Type: Response Requested - Reports
Action Date: 11/8/2019
Received Issue Date: 11/8/2019
Action: Remedial Progress Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=6009145
Title Description Comments:

DPE system status update

Action Type: Response Requested - Reports
Action Date: 10/25/2019
Received Issue Date: 10/25/2019
Action: Remedial Progress Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=6007498
Title Description Comments:

DPE system status update

Action Type: Response Requested - Reports
Action Date: 10/11/2019
Received Issue Date: 10/11/2019
Action: Remedial Progress Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=6006876
Title Description Comments:

DPE system status update

Action Type: Response Requested - Reports
Action Date: 9/13/2019
Received Issue Date: 9/13/2019
Action: Remedial Progress Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=6004871
Title Description Comments:

DPE system status update

Action Type: Response Requested - Reports
Action Date: 8/30/2019
Received Issue Date: 8/30/2019
Action: Remedial Progress Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=6003373
Title Description Comments:

DPE system status update

Action Type: Response Requested - Reports
Action Date: 8/15/2019
Received Issue Date: 8/20/2019
Action: Remedial Progress Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=6002659
Title Description Comments:

DPE system status update. Consultant to provide bi-weekly system status updates until system is operational

Action Type: Other Regulatory Actions
Action Date: 8/13/2019
Received Issue Date: 8/13/2019

Action: Staff Letter - #20190813
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6411941&temptable=ENFORCEMENT
Title Description Comments:

LOP request for bi-weekly updates until DPE system is operational

Action Type: Response Requested - Other
Action Date: 8/2/2019
Received Issue Date: 8/2/2019
Action: Email Correspondence - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=6001551
Title Description Comments:

Consultant email regarding remedial system status

Action Type: Response Requested - Reports
Action Date: *5/15/2019
Received Issue Date: 5/2/2019
Action: Remedial Progress Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5951245
Title Description Comments:

DPE Start-up and Remedial Progress Report

Action Type: Response Requested - Reports
Action Date: 5/15/2019
Received Issue Date: 5/2/2019
Action: Remedial Progress Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=6001550
Title Description Comments:

DPE construction, system start-up, and 1Q19 Remedial Progress Report - see LOP response in 8/13/2019 letter

Action Type: Other Regulatory Actions
Action Date: 4/9/2019
Received Issue Date: 4/9/2019
Action: Staff Letter - #20190409
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6398677&temptable=ENFORCEMENT
Title Description Comments:

LOP letter indicating that regulatory correspondence will be addressed to both Chevron Environmental Management Company and Phillips 66 Company

Action Type: Response Requested - Other
Action Date: 3/22/2019
Received Issue Date: 3/22/2019
Action: Correspondence - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5990076
Title Description Comments:

Project management transition letter

Action Type: Other Regulatory Actions
Action Date: 2/11/2019
Received Issue Date: 2/11/2019
Action: Email Correspondence - #20190211
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6384993&temptable=ENFORCEMENT
Title Description Comments:

LOP email concurring with recommendation for continue semi-annual groundwater monitoring

Action Type: Response Requested - Other

Action Date: 12/27/2018
Received Issue Date: 12/27/2018
Action: Email Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5984399
Title Description Comments:

Email chain re: system start-up

Action Type: Response Requested - Other
Action Date: 12/3/2018
Received Issue Date: 12/3/2018
Action: Email Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5984398
Title Description Comments:

Consultant email

Action Type: Response Requested - Reports
Action Date: 11/15/2018
Received Issue Date: 11/14/2018
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5972111
Title Description Comments:

Semi-annual monitoring report 3Q18

Action Type: Response Requested - Other
Action Date: 9/6/2018
Received Issue Date: 9/6/2018
Action: Email Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5984397
Title Description Comments:

Consultant email

Action Type: Response Requested - Other
Action Date: 8/21/2018
Received Issue Date: 8/21/2018
Action: Email Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5973541
Title Description Comments:

Consultant email

Action Type: Other Regulatory Actions
Action Date: 8/10/2018
Received Issue Date: 8/10/2018
Action: Staff Letter - #20180810
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6366359&temptable=ENFORCEMENT
Title Description Comments:

LOP letter responding to Proposed Modifications to Remedial Action Plan

Action Type: Response Requested - Reports
Action Date: 5/15/2018
Received Issue Date: 5/15/2018
Action: Monitoring Report - Semi-Annually - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5972110
Title Description Comments:

Semi-annual monitoring report 1Q18 and unsolicited Proposed Modifications to RAP

Action Type: Other Regulatory Actions

Action Date: 5/10/2018
Received Issue Date: 5/10/2018
Action: Email Correspondence - #20180510
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6357597&temptable=ENFORCEMENT
Title Description Comments:

Consultant email status update for system installation

Action Type: Other Regulatory Actions
Action Date: 1/18/2018
Received Issue Date: 1/18/2018
Action: Email Correspondence - #201080118
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6345996&temptable=ENFORCEMENT
Title Description Comments:

Consultant email - PZ-2 covered by lumber

Action Type: Other Regulatory Actions
Action Date: 1/4/2018
Received Issue Date: 1/4/2018
Action: Email Correspondence - #20180104
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6344761&temptable=ENFORCEMENT
Title Description Comments:

Email chain regarding request to change RP addresse

Action Type: Other Regulatory Actions
Action Date: 1/3/2018
Received Issue Date: 1/3/2018
Action: Staff Letter - #20180103
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6344599&temptable=ENFORCEMENT
Title Description Comments:

LOP letter responding to 3Q17 GW Mon & System Install Update report. Request submittal of DPE Remedial Progress Report by 5/15/18.

Action Type: Response Requested - Reports
Action Date: 11/15/2017
Received Issue Date: 11/15/2017
Action: Monitoring Report - Semi-Annually - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5951244
Title Description Comments:

3Q17 semi-annual monitoring report

Action Type: Other Regulatory Actions
Action Date: 8/8/2017
Received Issue Date: 8/8/2017
Action: Email Correspondence - #20170808
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6329266&temptable=ENFORCEMENT
Title Description Comments:

LOP staff comments on 5/3/17 groundwater monitoring report

Action Type: Other Regulatory Actions
Action Date: 3/30/2017
Received Issue Date: 3/30/2017
Action: Staff Letter - #20170330
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6315544&temptable=ENFORCEMENT
Title Description Comments:

LOP staff comments on 2/28/17 letter requesting an extension to the deadline for uploading the MPE startup/first O&M report from 5/15/17 to approximately 11/18/17. LOP did not consider the extension request justified. LOP considered Chevron non-compliant with the Health and Safety Code.

Action Type: Other Regulatory Actions
Action Date: 12/20/2016
Received Issue Date: 12/20/2016
Action: Staff Letter - #20161220
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6306540&temptable=ENFORCEMENT
Title Description Comments:

LOP staff comments on 8/22/16 well installation and destruction report and 11/15/16 groundwater monitoring report

Action Type: Response Requested - Reports
Action Date: 11/15/2016
Received Issue Date: 12/23/2016
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5897702
Title Description Comments:

3Q16 GW Monitoring - Task will be complete when EDF and GeoWell are uploaded

Action Type: Other Regulatory Actions
Action Date: 8/16/2016
Received Issue Date: 8/16/2016
Action: Email Correspondence - #20160816
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6295155&temptable=ENFORCEMENT
Title Description Comments:

LOP staff comments on 1Q16 groundwater monitoring report

Action Type: Response Requested - Reports
Action Date: 6/30/2016
Received Issue Date: 1/6/2017
Action: Well Installation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5873791
Title Description Comments:

Report on Installation of additional Remedial Extraction and Observation wells - Task will be complete when GeoBores for RW-5 and RW-9 are corrected

Action Type: Response Requested - Reports
Action Date: 5/15/2016
Received Issue Date: 5/13/2016
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5873349
Title Description Comments:

1Q16 Groundwater Monitoring

Action Type: Other Regulatory Actions
Action Date: 1/6/2016
Received Issue Date: 1/6/2016
Action: Staff Letter - #20160106
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6271951&temptable=ENFORCEMENT
Title Description Comments:

LOP staff comments on 11/13/15 remedial action plan (RAP) and 11/17/15 groundwater monitoring report. LOP conditionally approved the RAP.

Action Type: Response Requested - Reports
Action Date: 11/17/2015

Received Issue Date: 11/17/2015
Action: CAP/RAP - Other Report - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5842872
Title Description Comments:

Remedial Action Plan for multiphase extraction - Refer to LOP 1/6/16 letter

Action Type: Response Requested - Reports
Action Date: 11/15/2015
Received Issue Date: 1/6/2016
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5855815
Title Description Comments:

3Q15 Groundwater Monitoring - Task will be complete when EDF and GeoWell files are corrected

Action Type: Other Regulatory Actions
Action Date: 5/28/2015
Received Issue Date: 5/28/2015
Action: Staff Letter - #20150528
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6246638&temptable=ENFORCEMENT
Title Description Comments:

LOP staff comments on 3/31/15 Corrective Action Plan. LOP approved the secondary recommendation to upload a Remedial Action Plan for multiphase extraction.

Action Type: Response Requested - Reports
Action Date: 5/15/2015
Received Issue Date: 5/15/2015
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5842338
Title Description Comments:

1Q15 Groundwater Monitoring

Action Type: Response Requested - Reports
Action Date: 3/31/2015
Received Issue Date: 3/31/2015
Action: CAP/RAP - Feasibility Study Report - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5818517
Title Description Comments:

Corrective Action Plan - Refer to LOP 5/28/15 letter

Action Type: Other Regulatory Actions
Action Date: 2/9/2015
Received Issue Date: 2/9/2015
Action: Staff Letter - #20150209
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6235643&temptable=ENFORCEMENT
Title Description Comments:

LOP staff comments on 3Q14 groundwater monitoring report. LOP reduced groundwater sampling frequency of MW-10A, MW-11AR, MW-18, MW-19, and OBS-1 to annual and reminded RP that annual sampling of MW-6AR was approved in LOP 2/28/13 letter.

Action Type: Response Requested - Reports
Action Date: 11/15/2014
Received Issue Date: 2/10/2015
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5818078
Title Description Comments:

3Q14 Groundwater Monitoring - Task will be complete when corrected EDF file is uploaded

Action Type: Other Regulatory Actions
Action Date: 10/7/2014
Received Issue Date: 10/7/2014
Action: Staff Letter - #20141007
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6223601&temptable=ENFORCEMENT
Title Description Comments:

LOP staff comments on 4/10/14 well installation and dual-phase extraction (DPE) pilot testing report and 5/15/14 groundwater monitoring report. LOP required RP to upload a CAP comparing DPE to at least one other method having a reasonable chance of success to satisfy the remedial objective.

Action Type: Other Regulatory Actions
Action Date: 7/23/2014
Received Issue Date: 7/23/2014
Action: Technical Correspondence / Assistance / Other - #20140723
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6213862&temptable=ENFORCEMENT
Title Description Comments:

LOP email stating joint groundwater monitoring with LUFT case at 130 South El Camino Real is no longer mandatory. LOP also indicated RP for LUFT case at 1876 El Camino Real should evaluate if they may need some of the wells installed at 131 South El Camino Real.

Action Type: Response Requested - Reports
Action Date: 5/15/2014
Received Issue Date: 5/15/2014
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5818077
Title Description Comments:

1Q14 Groundwater Monitoring

Action Type: Other Regulatory Actions
Action Date: 5/7/2014
Received Issue Date: 5/7/2014
Action: Staff Letter - #20140507
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6202324&temptable=ENFORCEMENT
Title Description Comments:

LOP staff email commenting on 3Q13 groundwater monitoring report

Action Type: Response Requested - Reports
Action Date: 4/10/2014
Received Issue Date: 11/12/2014
Action: Pilot Study/ Treatability Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5786833
Title Description Comments:

Implementation of 8/28/13 DPE and SVE/AS pilot testing workplan - Task will be complete when 2/24/14 and 3/3/14 baseline GeoWell files and a correct version of EDF #2887 and GeoMap #8158 are uploaded.

Action Type: Response Requested - Reports
Action Date: 11/15/2013
Received Issue Date: 5/8/2014
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5774618
Title Description Comments:

3Q13 Groundwater Monitoring - Task will be complete when GeoWell file is uploaded for 9/24/13 gauging of MW-9A

Action Type: Other Regulatory Actions
Action Date: 10/22/2013
Received Issue Date: 10/22/2013
Action: Staff Letter - #20131022

Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6180060&temptable=ENFORCEMENT
Title Description Comments:

LOP staff comments on 8/2/13 DPE and SVE/AS pilot testing workplan. LOP staff conditionally approved the workplan.

Action Type: Response Requested - Workplans
Action Date: 8/28/2013
Received Issue Date: 8/28/2013
Action: Pilot Study / Treatability Workplan - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5763851
Title Description Comments:

Workplan for pilot testing MPE - Refer to LOP staff letter dated 10/22/13

Action Type: Response Requested - Reports
Action Date: 5/15/2013
Received Issue Date: 5/15/2013
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5762909
Title Description Comments:

1Q13 Groundwater Monitoring

Action Type: Other Regulatory Actions
Action Date: 2/28/2013
Received Issue Date: 2/28/2013
Action: Staff Letter - #20130228
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6150790&temptable=ENFORCEMENT
Title Description Comments:

LOP staff comments on 7/11/12 Revised Remedial Screening Analysis and SCM. LOP approved recommendations to prepare a workplan to pilot test multiphase extraction, discontinue analyzing groundwater samples for 1,2-DCE, and to reduce the sampling frequency of MW-6AR to annual. LOP staff directed RP to upload GeoXYZ files for RW-1 and RW-2.

Action Type: Other Regulatory Actions
Action Date: 12/27/2012
Received Issue Date: 12/27/2012
Action: Technical Correspondence / Assistance / Other - #20121227
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6145795&temptable=ENFORCEMENT
Title Description Comments:

LOP staff email responding to Hacor's 12/26/12 email regarding access agreement for MW-16 and MW-17

Action Type: Enforcement/Orders
Action Date: 12/20/2012
Received Issue Date: 12/20/2012
Action: Warning Letter - #20121220
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6145563&temptable=ENFORCEMENT
Title Description Comments:

LOP staff directed Hacor (property owner at 50 Broderick Road where MW-16 and MW-17 are located) to negotiate a reasonable access agreement with Chevron by 2/20/13 or LOP staff will name Hacor as the party responsible for assessing soil and groundwater at 50 Broderick Road.

Action Type: Response Requested - Other
Action Date: 11/15/2012
Received Issue Date: 11/15/2012
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5753316
Title Description Comments:

Status of offsite access negotiations occurring between 9/1/12 and 10/31/12

Action Type: Response Requested - Reports
Action Date: 11/15/2012
Received Issue Date: 11/14/2012
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5742308
Title Description Comments:

3Q12 Groundwater Monitoring

Action Type: Other Regulatory Actions
Action Date: 9/26/2012
Received Issue Date: 9/26/2012
Action: Staff Letter - #20120926
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6138746&temptable=ENFORCEMENT
Title Description Comments:

LOP staff email requiring RP to submit a letter summarizing offsite access negotiations occurring between 9/1/12 and 10/31/12

Action Type: Response Requested - Other
Action Date: 9/15/2012
Received Issue Date: 9/14/2012
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5742326
Title Description Comments:

Status of offsite access negotiations (5/16/12 through 8/31/12)

Action Type: Other Regulatory Actions
Action Date: 7/30/2012
Received Issue Date: 7/30/2012
Action: Technical Correspondence / Assistance / Other - #20120730
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6131885&temptable=ENFORCEMENT
Title Description Comments:

LOP staff email responding to consultant's 7/30/12 email regarding need to prepare another letter on the status of offsite access negotiations

Action Type: Other Regulatory Actions
Action Date: 7/17/2012
Received Issue Date: 7/17/2012
Action: Staff Letter - #20120717
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6130403&temptable=ENFORCEMENT
Title Description Comments:

LOP staff comments on 5/15/12 groundwater monitoring report and 5/15/12 letter summarizing negotiations to obtain access to monitor MW-16 and MW-17. LOP approved recommendation to discontinue analyzing groundwater monitoring samples for 1,2-DCA, TDS, and oxygenates. LOP required RP to upload another status on the work performed to obtain access to MW-16 and MW-17

Action Type: Response Requested - Reports
Action Date: 7/11/2012
Received Issue Date: 7/12/2012
Action: Pilot Study/ Treatability Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5731993
Title Description Comments:

Report identifying target zone of remediation and amount of cleanup necessary - LOP 2/28/12 letter incorrectly indicated deadline was in 2011

Action Type: Response Requested - Reports
Action Date: 5/15/2012
Received Issue Date: 5/21/2012
Action: Monitoring Report - Semi-Annually

Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5742307
Title Description Comments:

1Q12 Groundwater Monitoring

Action Type: Other Regulatory Actions
Action Date: 3/12/2012
Received Issue Date: 3/12/2012
Action: Technical Correspondence / Assistance / Other - #20120312
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6115315&temptable=ENFORCEMENT
Title Description Comments:

LOP staff clarifies document submittal required in 2/28/12 letter

Action Type: Response Requested - Other
Action Date: 3/9/2012
Received Issue Date: 5/15/2012
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5731994
Title Description Comments:

Status of negotiations to access MW-16 and MW-17 - Deadline was immediate (considered 8 business days sufficient)

Action Type: Other Regulatory Actions
Action Date: 2/28/2012
Received Issue Date: 2/28/2012
Action: Staff Letter - #20120228
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6114220&temptable=ENFORCEMENT
Title Description Comments:

LOP staff comments on 9/13/11 assessment report, 9/13/11 ozone sparging pilot testing report, and 11/14/11 groundwater monitoring report. LOP considered the pilot testing flawed and did not consider the recommendation to prepare a workplan for SVE/AS or MPE pilot testing justified. LOP directed RP to prepare a report justifying the target zone of remediation and amount of cleanup required which can be used to recommend appropriate remedial testing. LOP also directed RP to immediately upload a status report summarizing all interaction since May 2010 to obtain access to MW-16 and MW-17 on HACOR property. LOP also directed RP to immediately upload GeoWell files for 4/18/11 and 7/11/11 gauging events and correct GeoMap for denied GeoMap #6292. Also required annual monitoring of RW-1 and RW-2.

Action Type: Response Requested - Reports
Action Date: 11/15/2011
Received Issue Date: 11/15/2011
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5731297
Title Description Comments:

3Q11 GW Monitoring

Action Type: Response Requested - Reports
Action Date: *9/15/2011
Received Issue Date: 3/21/2012
Action: Pilot Study/ Treatability Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5702721
Title Description Comments:

Implement 10/29/10 ozone pilot test workplan - Report dated 9/13/11 (SB-12, OS-1, and OSB-1 through OSB-3). Deadline was extended in LOP email dated 6/30/11.

Action Type: Response Requested - Reports
Action Date: *9/15/2011
Received Issue Date: 9/13/2011
Action: Site Assessment Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5702720
Title Description Comments:

Report dated 9/13/11 (SB-13) - Deadline was extended in LOP 6/30/11 email

Action Type: Other Regulatory Actions
Action Date: 6/30/2011
Received Issue Date: 6/30/2011
Action: Technical Correspondence / Assistance / Other - #20110630
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6090912&temptable=ENFORCEMENT
Title Description Comments:

LOP comments on 6/14/11 progress letter. LOP extended completion deadline for pilot test and offsite boring from 6/15/11 to 9/15/11.

Action Type: Response Requested - Reports
Action Date: 5/15/2011
Received Issue Date: 5/13/2011
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5715212
Title Description Comments:

1Q11 GW Monitoring

Action Type: Other Regulatory Actions
Action Date: 1/10/2011
Received Issue Date: 1/10/2011
Action: Staff Letter - #20110110
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6074020&temptable=ENFORCEMENT
Title Description Comments:

LOP comments on 8/31/10 assessment and groundwater monitoring reports and 10/29/10 ozone sparge pilot testing workplan. LOP conditionally approved recommendation to destroy RW-1 and RW-2, required a grab groundwater sample between B-6 and B-7 (no workplan required), and conditionally approved pilot testing workplan.

Action Type: Response Requested - Other
Action Date: 12/31/2010
Received Issue Date: 3/28/2011
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5700102
Title Description Comments:

Provide Chevron PM contact information

Action Type: Other Regulatory Actions
Action Date: 11/22/2010
Received Issue Date: 11/22/2010
Action: Staff Letter - #20101122
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6070224&temptable=ENFORCEMENT
Title Description Comments:

LOP informs Chevron they are the legal RP by virtue of acquiring Unocal Corporation

Action Type: Response Requested - Reports
Action Date: 11/15/2010
Received Issue Date: 11/16/2010
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5672347
Title Description Comments:

3Q10 GW Monitoring - Note - LOP should consider directing HACOR to provide reasonable access with 60 days or become responsible for sampling MW-16 and MW-17 if they do not grant access by 9/30/10 and RP can demonstrate they made reasonable attempts to gain the access.

Action Type: Response Requested - Workplans
Action Date: *11/1/2010

Received Issue Date: 10/29/2010
Action: Pilot Study / Treatability Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5661839
Title Description Comments:

Workplan to pilot test feasibility of ozone injection

Action Type: Other Regulatory Actions
Action Date: 9/8/2010
Received Issue Date: 9/8/2010
Action: Technical Correspondence / Assistance / Other - #20100908
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6063242&temptable=ENFORCEMENT
Title Description Comments:

LOP email extending the deadline for uploading the ozone sparge testing workplan from 8/31/10 to 11/1/10

Action Type: Response Requested - Reports
Action Date: 8/31/2010
Received Issue Date: 8/31/2010
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5661838
Title Description Comments:

Assessment Report - Report dated 8/31/10 (SB-11, HA-3, MW-1A, MW-2A, MW-19, and destruction of MW-1 through MW-3)

Action Type: Response Requested - Other
Action Date: 5/15/2010
Received Issue Date: 5/14/2010
Action: Correspondence
Doc Link:
Title Description Comments:

Status of access negotiations with HACOR through 4/30/2010

Action Type: Response Requested - Reports
Action Date: 5/15/2010
Received Issue Date: 5/13/2010
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5672168
Title Description Comments:

1Q10 GW Monitoring

Action Type: Other Regulatory Actions
Action Date: 2/18/2010
Received Issue Date: 2/18/2010
Action: Staff Letter - #20100218
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6043433&temptable=ENFORCEMENT
Title Description Comments:

LOP comments on 11/21/08 remedial feasibility review, 10/29/09 assessment report, 10/29/09 monitoring report, 12/23/09 access negotiations letter. LOP rescinded 12/2/08 approval to drill CPT-2, extended deadline to report findings on recent drilling of Boring HA-3, and directed RP to: 1) assess groundwater southwest of MW-5A; 2) use physical or geophysical means to establish the depth of the strom drain trench in Murchison Drive; and 3) report on the progress of access negotiations to HACOR parcel. LOP approved Stantec recommendations to: 1) upload a pilot testing workplan for ozone injection; 2) destroy MW-2 and MW-3; 3) install a replacement well for MW-2; and 4) indicated it could support destruction and reinstallation of MW-1. LOP deleted TPH-diesel from groundwater monitoring analytical suite, reduced the gauging and sampling of MW-16 and MW-17 to annual, and reduced the sampling of MW-1A and MW-14 to annual.

Action Type: Response Requested - Other
Action Date: 12/31/2009
Received Issue Date: 12/23/2009
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5653703

Title Description Comments:

Status of offsite access negotiations

Action Type: Other Regulatory Actions
Action Date: 12/23/2009
Received Issue Date: 12/23/2009
Action: Technical Correspondence / Assistance / Other - #20091223
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6038740&temptable=ENFORCEMENT
Title Description Comments:

LOP email responding to HACOR property owner's respesentative's 12/21/09 email. LOP indicates access negotiations are taking too long and that it may require HACOR to investigate their own property if they are not reasonable in granting ConocoPhillips access to perform required site assessment activities (i.e. drilling of CPT-2 and monitoring of MW-16 and MW-17).

Action Type: Response Requested - Reports
Action Date: 11/14/2009
Received Issue Date: 10/30/2009
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5659238
Title Description Comments:

3Q09 GW Monitoring

Action Type: Response Requested - Reports
Action Date: *10/29/2009
Received Issue Date: 1/18/2010
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5625234
Title Description Comments:

Implementation of 5/30/08 workplan - Report dated 10/29/09 (SB-9, SB-10, HA-1, HA-2, HP-4, MW-18, and well destruction). Because of ongoing offsite access issues, LOP letter dated 10/29/09 allowed RP to exclude from the report the work that was planned NE of California Drive. All significant files were uploaded by 10/29/09.

Action Type: Other Regulatory Actions
Action Date: 10/21/2009
Received Issue Date: 10/21/2009
Action: Technical Correspondence / Assistance / Other - #20091021
Doc Link:
Title Description Comments:

LOP email responding to consultant's 10/21/09 email requesting an extension of the site assessment work reporting deadline because of lengthy access negotiations and Pacific Convenience Fuels pending purchase of many ConocoPhillips stations. LOP agreed to separate planned site assessment activities NE of California from main body of planned site assessment work and established a completion 3/10/10 deadline for completing the assessment NE of California Drive (refer to 10/21/09 LOP letter for this offsite compliance deliverable).

Action Type: Other Regulatory Actions
Action Date: 10/21/2009
Received Issue Date: 10/21/2009
Action: Staff Letter - #20091021
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6033690&temptable=ENFORCEMENT
Title Description Comments:

LOP comments on 10/14/09 letter on status of offsite access negotiations. Required RP to continue to negotiate access and submit another status on the negotiations by 12/31/09. Established a reporting deadline of 3/31/10 for work planned NE of California Drive in order to accomodate negotiations (previous 10/29/09 reporting deadline will remain for work already completed).

Action Type: Other Regulatory Actions
Action Date: 7/21/2009
Received Issue Date: 7/21/2009
Action: Staff Letter - #20090721
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?

global_id=T0608100575&enforcement_id=6022064&temptable=ENFORCEMENT

Title Description Comments:

SWRCB Resolution 2009-042 letter

Action Type: Other Regulatory Actions
Action Date: 6/1/2009
Received Issue Date: 6/1/2009
Action: Staff Letter - #20090601
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6015365&temptable=ENFORCEMENT
Title Description Comments:

LOP extends reporting deadline listed in 12/2/08 letter from 6/25/09 to 10/29/09. Indicated acess issues on HACOR parcel require documentation.

Action Type: Response Requested - Reports
Action Date: 5/15/2009
Received Issue Date: 5/15/2009
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5644689
Title Description Comments:

1Q09 GW Monitoring

Action Type: Other Regulatory Actions
Action Date: 12/15/2008
Received Issue Date: 12/15/2008
Action: Staff Letter - #20081215
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=5996457&temptable=ENFORCEMENT
Title Description Comments:

LOP comment on fuel discrepancy reported on 4/27/94. LOP indicates it will not file Unauthorized Release report with State because information provided suggests no release of fuel occurred.

Action Type: Response Requested - Other
Action Date: 12/3/2008
Received Issue Date: 12/9/2008
Action: Unauthorized Release Form
Doc Link:
Title Description Comments:

Unauthorized release form for 1994 fuel discrepancy - Information appears to indicate fuel was not released to soil or groundwater (refer to our 12/15/08 letter).

Action Type: Other Regulatory Actions
Action Date: 12/2/2008
Received Issue Date: 12/2/2008
Action: Staff Letter - #20081202
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=5995180&temptable=ENFORCEMENT
Title Description Comments:

LOP comments on 5/30/08 workplan. LOP conditionally approved workplan and required submittal of unauthorized release report for 1994 fuel discrepancy.

Action Type: Response Requested - Reports
Action Date: 11/21/2008
Received Issue Date: 11/21/2008
Action: CAP/RAP - Feasibility Study Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5583587
Title Description Comments:

CAP/RAP - Feasibility Study Report - Report dated 11/21/08. LOP basically required the RP to prepare a Remedial Screening Analysis in the manner required in 1/4/05 letter, but the 5/11/05 RSA didn't provide.

Action Type: Response Requested - Reports
Action Date: 11/15/2008
Received Issue Date: 11/14/2008
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5624949
Title Description Comments:

3Q08 GW Monitoring

Action Type: Response Requested - Workplans
Action Date: 5/30/2008
Received Issue Date: 5/30/2008
Action: Soil and Water Investigation Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5583588
Title Description Comments:

Assessment workplan - Workplan dated 5/30/08 (to assess impact of Texaco station, NAPL in SB-7, and potential migration of hydrocarbons along storm drain in Murchison and drainage channel north of California Drive).

Action Type: Response Requested - Reports
Action Date: 5/15/2008
Received Issue Date: 8/11/2008
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5624948
Title Description Comments:

1Q08 GW Monitoring - Had to deny GeoWell for incorrect FPN. Corrected file uploaded 8/11/08.

Action Type: Response Requested - Other
Action Date: 2/29/2008
Received Issue Date: 2/29/2008
Action: Electronic Reporting Submittal Due
Doc Link:
Title Description Comments:

Electronic Reporting Submittal - Need to: 1) upload CPT-1 and EDF for HP composite soil sample; 2) correct Confirm 6054, 6305, 2342, 4951, 6111, 9351, 4373, and GeoBore SB-7, MW-6A, and MW-11A.

Action Type: Other Regulatory Actions
Action Date: 1/15/2008
Received Issue Date: 1/15/2008
Action: Staff Letter - #20080115
Doc Link:
Title Description Comments:

LOP comments on 11/14/06 subsurface investigation report; 1/12/07 canal investigation report, and 8/15/07 soil vapor assessment report. Required RP to upload a feasibility study and upload a workplan to: 1) assess potential impact/comingling of hydrocarbons from the adjacent former Texaco station; 2) assess the potential for NAPL in SB-7; 3) detail proposed well destruction; 4) assess the potential for hydrocarbons to migrate along the storm drain in Murchison Drive and to contact or migrate under the drainage channel north of California Drive; and 5) to evaluate the construction of the drainage channel (LOP did not concur with the conclusion that the drainage channel contains groundwater from the site, or with the recommendation to sample this surface water). Also direct the RP to correct recently denied GeoTracker files. LOP indicated additional subsurface vapor sampling can be postponed until remediation completed. LOP indicates groundwater monitoring data indicates a second gasoline release may have occurred in early 1995.

Action Type: Response Requested - Reports
Action Date: 11/15/2007
Received Issue Date: 12/13/2007
Action: Monitoring Report - Semi-Annually
Doc Link:
Title Description Comments:

3Q07 GW Monitoring

Action Type: Response Requested - Other
Action Date: 8/27/2007
Received Issue Date: 2/27/2008
Action: Electronic Reporting Submittal Due
Doc Link:
Title Description Comments:

Correct EDF for Confirmation #6054 (B-4 to B-9 soil EDF)

Action Type: Other Regulatory Actions
Action Date: 7/25/2007
Received Issue Date: 7/25/2007
Action: File review - #20070725
Doc Link:
Title Description Comments:

LOP denied EDF #6054 (B-4 to B-9 soil EDF)

Action Type: Response Requested - Reports
Action Date: 5/31/2007
Received Issue Date: 2/29/2008
Action: Risk Assessment Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5583586
Title Description Comments:

Implementation of 12/8/06 vapor sampling workplan - Report dated 8/15/07 (SS-1 through SS-6, TVW-1 through TVW-8, destruction of VSP-1 through VSP-8). Did not upload all required files until 2/29/08.

Action Type: Response Requested - Reports
Action Date: 5/15/2007
Received Issue Date: 6/7/2007
Action: Monitoring Report - Semi-Annually
Doc Link:
Title Description Comments:

1Q07 GW Monitoring

Action Type: Other Regulatory Actions
Action Date: 1/25/2007
Received Issue Date: 1/25/2007
Action: Staff Letter - #20070125
Doc Link:
Title Description Comments:

LOP comments on 12/8/06 subsurface vapor sampling workplan. LOP conditionally approved the workplan.

Action Type: Response Requested - Other
Action Date: 12/11/2006
Received Issue Date: 1/23/2008
Action: Electronic Reporting Submittal Due
Doc Link:
Title Description Comments:

Upload all missing Geotracker files - Final piece was uploading CPT-1 GeoBore

Action Type: Response Requested - Workplans
Action Date: 12/11/2006
Received Issue Date: 12/8/2006
Action: Soil and Water Investigation Workplan - Addendum
Doc Link:
Title Description Comments:

Workplan addendum for vapor sampling - Workplan dated 12/8/06.

Action Type: Response Requested - Reports
Action Date: 11/15/2006
Received Issue Date: 2/15/2007
Action: Monitoring Report - Semi-Annually
Doc Link:
Title Description Comments:

3Q06 GW Monitoring

Action Type: Other Regulatory Actions
Action Date: 11/6/2006
Received Issue Date: 11/6/2006
Action: Staff Letter - #20061106
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6041086&temptable=ENFORCEMENT
Title Description Comments:

LOP letter returning drilling permit application and submitted fees for proposed offsite subsurface vapor sampling wells based on contents of LOP letter dated 11/2/06.

Action Type: Other Regulatory Actions
Action Date: 11/3/2006
Received Issue Date: 11/3/2006
Action: Staff Letter - #20061103
Doc Link:
Title Description Comments:

LOP letter returning drilling permit application and submitted fees for proposed onsite subsurface vapor sampling wells based on contents of LOP letter dated 11/2/06.

Action Type: Other Regulatory Actions
Action Date: 11/2/2006
Received Issue Date: 11/2/2006
Action: Staff Letter - #20061102
Doc Link:
Title Description Comments:

LOP comments on 9/26/06 letter. LOP did not consider proposed subsurface vapor sampling work justified. Required RP to upload a workplan addendum to evaluate potential inhalation risk and to demonstrate the 2004 subsurface vapor sampling wells were properly destroyed, or a letter justifying that such work is not warranted. LOP indicated UST Cleanup Fund may not reimburse the cost of the 2005 and post-2005 subsurface vapor sampling work because the 2004 vapor sampling wells should not have been destroyed until their use was no longer needed. LOP also questioned the project management for the site and indicated an additional NOV will be issued if the groundwater assessment upgradient of the drainage channel is not completed by 1/12/07. Required RP to become GeoTracker compliant (have not uploaded all required files).

Action Type: Enforcement/Orders
Action Date: 9/14/2006
Received Issue Date: 9/14/2006
Action: Notice of Violation - #20060914
Doc Link:
Title Description Comments:

LOP issued RP an NOV for failing to upload to GeoTracker all required files for the June 2005 subsurface vapor sampling event and the implementation of the conditionally approved 5/31/05 and 12/16/05 workplans

Action Type: Other Regulatory Actions
Action Date: 8/16/2006
Received Issue Date: 8/16/2006
Action: Technical Correspondence / Assistance / Other - #20060816
Doc Link:
Title Description Comments:

LOP notifies RP's consultant to protect MW-16 and MW-17 (property owner intends to repave parcel).

Action Type: Response Requested - Reports
Action Date: 6/14/2006

Received Issue Date: 10/29/2009
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5583583
Title Description Comments:

Implementation of 12/16/05 workplan - Report dated 1/12/07 (HP-1 through HP-3 - assessment of potential impact against drainage channel). Did not upload all required files until 10/29/09.

Action Type: Response Requested - Reports
Action Date: 5/15/2006
Received Issue Date: 7/26/2006
Action: Monitoring Report - Semi-Annually
Doc Link:
Title Description Comments:

1Q06 GW Monitoring

Action Type: Other Regulatory Actions
Action Date: 5/4/2006
Received Issue Date: 5/4/2006
Action: Staff Letter - #20060504
Doc Link:
Title Description Comments:

LOP summarizes results of meeting between RP, consultants, and LOP staff

Action Type: Other Regulatory Actions
Action Date: 4/10/2006
Received Issue Date: 4/10/2006
Action: Technical Correspondence / Assistance / Other - #20060406
Doc Link:
Title Description Comments:

LOP email to consultant indicating a recent Phase II assessment report indicates a hydrocarbon release may also have occurred on the parcel NW of the site on the other side of Murchison Drive

Action Type: Other Regulatory Actions
Action Date: 2/22/2006
Received Issue Date: 2/22/2006
Action: Staff Letter - #20060222
Doc Link:
Title Description Comments:

LOP comments on 12/16/05 workplan to sample drainage channel backfill and 2/14/06 letter providing a status on approved work and requesting an extension. LOP conditionally approved workplan, but denied the extension request. LOP approved proposal to postpone sampling surface water in drainage channel pending the results from the implementation of the 12/16/05 workplan.

Action Type: Response Requested - Reports
Action Date: 2/17/2006
Received Issue Date: 2/29/2008
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5583581
Title Description Comments:

Implementation of 5/31/05 workplan - Report dated 11/14/06 (SB-7, SB-8, CPT-1, and reinstallation of MW-5, MW-6, MW-10, MW-11, MW-13). Received date is date all required files were uploaded to GeoTracker.

Action Type: Response Requested - Workplans
Action Date: 12/15/2005
Received Issue Date: 12/16/2005
Action: Soil and Water Investigation Workplan
Doc Link:
Title Description Comments:

Workplan to assess migration along drainage channel - Workplan dated 12/16/05

Action Type: Response Requested - Reports
Action Date: 11/15/2005
Received Issue Date: 12/13/2005
Action: Monitoring Report - Semi-Annually
Doc Link:
Title Description Comments:

3Q05 GW Monitoring

Action Type: Other Regulatory Actions
Action Date: 11/1/2005
Received Issue Date: 11/1/2005
Action: Staff Letter - #20051101
Doc Link:
Title Description Comments:

LOP requests RP to not upload LOP letters to GeoTracker

Action Type: Other Regulatory Actions
Action Date: 10/6/2005
Received Issue Date: 10/6/2005
Action: Staff Letter - #20051006
Doc Link:
Title Description Comments:

LOP comments on 5/11/05 Remedial Screening Analysis (RSA), 5/31/05 workplan for borings, surface water sampling, and well destruction, and 6/22/05 groundwater monitoring report. LOP did not consider RSA adequate. LOP conditionally approved 5/31/05 workplan, but did not consider it adequate to evaluate dissolved-phase impact on drainage channel (one of the main objectives). Therefore, required RP to upload a workplan to assess groundwater on the upgradient side of the drainage channel or within the backfill of this structure.

Action Type: Other Regulatory Actions
Action Date: 9/8/2005
Received Issue Date: 9/8/2005
Action: Staff Letter - #20050908
Doc Link:
Title Description Comments:

LOP indicates it is no longer necessary to submit paper copies of documents to LOP staff unless specifically requested

Action Type: Other Regulatory Actions
Action Date: 6/29/2005
Received Issue Date: 6/29/2005
Action: Site Visit / Inspection / Sampling
Doc Link:
Title Description Comments:

SECOR drilled borings VSP-1B through VSP-7B and collected subsurface vapor samples. No report issued.

Action Type: Response Requested - Reports
Action Date: 5/16/2005
Received Issue Date: 8/5/2005
Action: Monitoring Report - Semi-Annually
Doc Link:
Title Description Comments:

1Q05 GW Monitoring

Action Type: Response Requested - Other
Action Date: 4/11/2005
Received Issue Date: 5/12/2005
Action: Other Report / Document
Doc Link:

Title Description Comments:

Remedial Screening Analysis

Action Type: Response Requested - Other
Action Date: 3/28/2005
Received Issue Date: 9/29/2006
Action: Other Report / Document
Doc Link:
Title Description Comments:

Justification of subsurface vapor sampling data or proposal to re-sample - Proposed vapor sampling; however, the proposed work was problematic. Refer to 12/8/06 workplan for revised scope.

Action Type: Response Requested - Other
Action Date: 3/28/2005
Received Issue Date: 5/30/2006
Action: Electronic Reporting Submittal Due
Doc Link:
Title Description Comments:

Survey wells and upload Geo XYZ

Action Type: Response Requested - Other
Action Date: 3/28/2005
Received Issue Date: 9/1/2005
Action: Correspondence
Doc Link:
Title Description Comments:

Submit letter evaluating impact of well construction on monitoring data

Action Type: Response Requested - Workplans
Action Date: 3/28/2005
Received Issue Date: 6/2/2005
Action: Soil and Water Investigation Workplan
Doc Link:
Title Description Comments:

Workplan to assess vertical extent and impact along drainage channel - Workplan dated 5/31/05

Action Type: Other Regulatory Actions
Action Date: 1/4/2005
Received Issue Date: 1/4/2005
Action: Staff Letter - #20050104
Doc Link:
Title Description Comments:

LOP comments on 6/16/04 Site Conceptual Model and 4/27/04 and 11/15/04 groundwater monitoring reports. LOP considered the monitoring reports inadequate. Required RP to: 1) re-survey monitoring wells and upload GeoXYZ; 2) justify subsurface vapor results or re-sample; 3) upload a workplan to assess potential migration of hydrocarbons along the drainage channel and to vertically assess the extent of dissolved-phase hydrocarbons NE of the railroad tracks; 4) upload a letter discussing the impacts of well construction on the SCM; and 5) to upload a remedial screening analysis.

Action Type: Enforcement/Orders
Action Date: 1/4/2005
Received Issue Date: 1/4/2005
Action: Notice of Violation - #20050104
Doc Link:
Title Description Comments:

LOP issued RP an NOV for recurring groundwater monitoring problems

Action Type: Response Requested - Reports
Action Date: 11/15/2004

Received Issue Date: 11/22/2004
Action: Monitoring Report - Semi-Annually
Doc Link:
Title Description Comments:

3Q04 GW Monitoring

Action Type: Other Regulatory Actions
Action Date: 9/16/2004
Received Issue Date: 9/16/2004
Action: Staff Letter - #20040916
Doc Link:
Title Description Comments:

LOP indicates groundwater monitoring at ConocoPhillips sites can be reduced to annual if site has been monitored at least five years, has no operating remediation system or potential well receptor impact, and the hydrocarbon plume is stable.

Action Type: Response Requested - Reports
Action Date: *6/16/2004
Received Issue Date: 2/29/2008
Action: Well Installation Report
Doc Link:
Title Description Comments:

Implementation of approved portions of 7/12/02 workplan - Soft deadline (assumed 5 months reasonable). Utility study was in 3/28/03 report and revised 9/2/03 figure. Monitoring well portion was in 6/16/04 report. Deadline was revised in 1/8/04 letter. Did not upload all required files until 2/29/08.

Action Type: Response Requested - Reports
Action Date: *6/16/2004
Received Issue Date: 2/27/2008
Action: Soil and Water Investigation Report
Doc Link:
Title Description Comments:

Implementation of approved portions of 9/24/02 workplan addendum - Receptor survey was in 3/28/03 report and unsaturated zone soil assessment in dispenser area was in 6/16/04 report. Deadline was revised in 1/8/04 letter. Did not upload all required files until 2/27/08.

Action Type: Response Requested - Other
Action Date: *6/16/2004
Received Issue Date: 6/16/2004
Action: Conceptual Site Model
Doc Link:
Title Description Comments:

Site Conceptual Model - SCM dated 6/16/04 (SB-1 through SB-6, MW-16, MW-17, VSP-1 through VSP-8, sump investigation at 1860 El Camino Real)). Incorporates portions of workplans dated 7/12/02, 9/24/02 (addendum), 3/10/04 (unsolicited), 3/29/04 (unsolicited addendum), and 4/22/04 (unsolicited email addendum).

Action Type: Other Regulatory Actions
Action Date: 4/23/2004
Received Issue Date: 4/23/2004
Action: Technical Correspondence / Assistance / Other - #20040423
Doc Link:
Title Description Comments:

LOP email responding to consultant's 4/22/04 email which proposed yet another scope to sample unsaturated zone soils beneath the dispensers. LOP approved proposal. Email was followed with unsolicited workplan addendum dated 4/23/04. Refer to Site Conceptual Model due 6/16/04 for compliance deliverable.

Action Type: Response Requested - Reports
Action Date: 4/15/2004
Received Issue Date: 6/23/2004
Action: Monitoring Report - Semi-Annually
Doc Link:

Title Description Comments:

1Q04 GW Monitoring

Action Type: Other Regulatory Actions
Action Date: 3/31/2004
Received Issue Date: 3/31/2004
Action: Staff Letter - #20040331
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6041038&temptable=ENFORCEMENT
Title Description Comments:

LOP comments on the unsolicited 3/29/04 addendum to previously approved 3/10/04 workplan and submitted drilling permit applications. Moving proposed well off World Journal parcel and onto Guittard parcel. Refer to SCM model due 6/16/04 for compliance deliverable.

Action Type: Response Requested - Other
Action Date: *3/31/2004
Received Issue Date: 3/9/2004
Action: Other Report / Document
Doc Link:
Title Description Comments:

August 1994 product line replacement report - Soft deadline (assumed 2 months reasonable). Firm deadline of 3/31/04 was established in 1/8/04 letter.

Action Type: Response Requested - Reports
Action Date: 3/31/2004
Received Issue Date: 3/9/2004
Action: Soil and Water Investigation Report
Doc Link:
Title Description Comments:

August 1994 product line removal report

Action Type: Response Requested - Other
Action Date: *3/31/2004
Received Issue Date: 3/1/2004
Action: Correspondence
Doc Link:
Title Description Comments:

Letter indicating if sump at 1860 El Camino Real contains groundwater - Soft deadline (assumed 3 months reasonable). Firm deadline of 3/31/04 was established in 1/8/04 letter.

Action Type: Other Regulatory Actions
Action Date: 3/23/2004
Received Issue Date: 3/23/2004
Action: Staff Letter - #20040323
Doc Link:
Title Description Comments:

LOP comments on 2/24/04 offsite sump and parcel access negotiation letters and the 3/10/04 soil, monitoring well, and subsurface vapor sampling workplan. LOP conditionally approved workplan, though it proposed additional work to the previously approved, but unimplemented workplans - refer to previously required Site Conceptual Model (SCM) for reporting deliverable (6/16/04 deadline). Directed RP to sample the groundwater identified in the sump at 1860 El Camino Real and to indicate in the SCM where this groundwater is pumped and whether it poses a risk to building occupants.

Action Type: Response Requested - Workplans
Action Date: 3/10/2004
Received Issue Date: 3/9/2004
Action: Soil and Water Investigation Workplan
Doc Link:
Title Description Comments:

Subsurface vapor sampling workplan - Workplan dated 3/10/04

Action Type: Other Regulatory Actions
Action Date: 3/4/2004
Received Issue Date: 3/4/2004
Action: Staff Letter - #20040304
Doc Link:
Title Description Comments:

LOP indicates it is not necessary to submit standalone quarterly status reports; such information can be incorporated into the semi-annual groundwater monitoring report.

Action Type: Response Requested - Other
Action Date: 2/25/2004
Received Issue Date: 3/1/2004
Action: Correspondence
Doc Link:
Title Description Comments:

Letter detailing access negotiations to World Journal parcel

Action Type: Other Regulatory Actions
Action Date: 1/8/2004
Received Issue Date: 1/8/2004
Action: Staff Letter - #20040108
Doc Link:
Title Description Comments:

LOP indicated work required in previous LOP letters has not been performed. Directs RP to: 1) drill the borings to assess unsaturated zone soils beneath the dispensers by 3/31/04 (was required in 5/22/02 and 12/26/02 letters); 2) install the well on APN 025-166-110 to assess the offsite extent of dissolved-phase hydrocarbons by 3/31/04 (was approved in 8/21/02 letter); 3) submit by 2/25/04 a letter detailing all attempts and interaction to obtain access to the World Journal parcel (APN 024-353-080); 4) submit a workplan for subsurface vapor sampling (assessment was required in 5/22/02 letter) and collect the vapor samples prior to 3/31/04; and 5) submit the detailed Site Conceptual Model by 6/16/04. Also established firm deadline (3/31/04) for submitting previously required sump letter and product line removal report. Reminded RP to sample monitoring wells semi-annually as required in 5/22/02 letter.

Action Type: Other Regulatory Actions
Action Date: 10/2/2003
Received Issue Date: 10/2/2003
Action: Staff Letter - #20031002
Doc Link:
Title Description Comments:

LOP comments on 9/26/03 letter summarizing attempts to obtain offsite access. LOP indicates it is acceptable to move the well proposed on the Worl Journal parcel to APN 025-166-230. LOP indicates it will request the RWQCB to issue a Water Code Section 13267 letter to ConocoPhillips and the property owner not reasonably granting access if access is not completed by 12/15/03.

Action Type: Other Regulatory Actions
Action Date: 9/11/2003
Received Issue Date: 9/11/2003
Action: Staff Letter - #20030911
Doc Link:
Title Description Comments:

LOP letter to interested party indicating LOP will manage case until RWQCB low-risk case closure criteria satisfied and will not name Prime Pacific as additional RP unless they have their own release of contamination or unreasonably inhibit Tosco's investigation.

Action Type: Response Requested - Other
Action Date: 9/11/2003
Received Issue Date: 9/8/2003
Action: Other Report / Document
Doc Link:
Title Description Comments:

Revise utility survey map - Minimal additional effort (e.g. did not open manholes and measure or determine if improvement plans shows elevation of invert and manhole)

Action Type: Other Regulatory Actions
Action Date: 7/31/2003
Received Issue Date: 7/31/2003
Action: Staff Letter - #20030731
Doc Link:
Title Description Comments:

LOP comments on 3/28/03 receptor survey report, 4/19/03 groundwater monitoring report, and unsolicited 7/21/03 Interim Corrective Action Plan (CAP). Required RP to submit a revised utility survey map showing the location and depth of all utilities near the site as required by the approved workplan. Also directed RP to ascertain if the sump identified at 1860 El Camino Real contains groundwater. LOP did not consider the interim CAP acceptable. Required RP to submit a Site Conceptual Model instead of revising the interim CAP. Reminded RP that work approved by LOP in 8/21/02 and 12/26/02 letters has not been completed as required - required a status on the progress of this work. LOP indicated a Notice of Violation will be issued if Tosco is unable to demonstrate a serious effort has been made to obtain offsite access. LOP also requested a copy of the 8/22/94 report on product line removal activities.

Action Type: Response Requested - Workplans
Action Date: 3/31/2003
Received Issue Date: 3/10/2004
Action: Soil and Water Investigation Workplan - Addendum
Doc Link:
Title Description Comments:

Either justify assumptions for proposed Tier II risk assessment or provide a workplan for subsurface vapor assessment - Soft deadline (assumed 3 months reasonable). Elected subsurface vapor sampling (workplan dated 3/10/04)

Action Type: Response Requested - Other
Action Date: 1/31/2003
Received Issue Date: 2/3/2003
Action: Correspondence
Doc Link:
Title Description Comments:

Status on well and utility work approved in 8/21/02 letter

Action Type: Other Regulatory Actions
Action Date: 12/26/2002
Received Issue Date: 12/26/2002
Action: Staff Letter - #20021226
Doc Link:
Title Description Comments:

LOP comments on 9/24/02 workplan addendum. LOP conditionally approved well receptor portion of the addendum, but did not consider the inhalation risk assessment portion justified. LOP also did not concur with proposed soil sampling, but approved by requiring relocation of borings to assess unsaturated zone soil beneath dispenser area. Required RP to submit a second addendum for either risk assessment modeling or collection of subsurface vapor samples. LOP agreed to postpone the deadline for the previously required Corrective Action Plan (CAP) until the work proposed in the approved 7/12/02 workplan and 9/24/02 addendum is completed. LOP did not concur with preparing an interim CAP for ozone sparging. Also required a status on the completion of the monitoring well and utility study work approved in 8/21/02 letter.

Action Type: Response Requested - Workplans
Action Date: 9/26/2002
Received Issue Date: 9/25/2002
Action: Soil and Water Investigation Workplan - Addendum
Doc Link:
Title Description Comments:

Addendum to unapproved portions of 7/12/02 workplan - Addendum dated 9/24/02.

Action Type: Other Regulatory Actions
Action Date: 8/21/2002
Received Issue Date: 8/21/2002
Action: Staff Letter - #20020821
Doc Link:
Title Description Comments:

LOP comments on 7/12/02 workplan. LOP conditionally approved the monitoring well and subsurface utility study portions of the workplan, but required

the RP to submit an addendum for the soil sampling, receptor survey, and subsurface vapor sampling portions of the workplan.

Action Type: Response Requested - Workplans
Action Date: 7/16/2002
Received Issue Date: 7/16/2002
Action: Soil and Water Investigation Workplan
Doc Link:
Title Description Comments:

Assessment workplan - Workplan dated 7/12/02.

Action Type: Other Regulatory Actions
Action Date: 5/22/2002
Received Issue Date: 5/22/2002
Action: Staff Letter - #20020522
Doc Link:
Title Description Comments:

LOP comments on 2/19/02 subsurface investigation report. Required RP to submit a workplan to: 1) assess the extent, magnitude, and risk of hydrocarbon-affected soil in the vadose zone and the extent of dissolved-phase hydrocarbons; 2) evaluate preferential migration pathways, well receptors, and vapor inhalation risk; 3) and to provide information on the last time the dispensers and piping were replaced. Required RP to submit a letter summarizing the progress in installing the SVE and air sparging system approved in 9/3/99 LOP letter; GPP rescinded its approval to install the system if it has not yet been installed and required the RP to instead submit a Corrective Action Plan. LOP also directed RP to implement semi-annual groundwater monitoring.

Action Type: Notices
Action Date: 9/15/1989
Received Issue Date: 9/15/1989
Action: Notice of Responsibility - #19890915
Doc Link:
Title Description Comments:

Naming of Responsible Party. Refer to companion letter dated 9/11/89. Note - case was opened for gasoline reported in groundwater samples collected from MW-1 through MW-3 in June 1989, not for the waste oil listed on the April 1989 Unauthorized Release Report.

Action Type: Cleanup Action
Action Date: 11/18/2019
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 2/27/2019
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Action Type: Response Requested - Reports
Action Date: 3/31/2010
Received Issue Date:
Action: Soil and Water Investigation Report
Doc Link:
Title Description Comments:

Assessment planned NE of California Drive (5/30/08 workplan) - LOP rescinded need to drill CPT-2 in letter dated 2/18/10

Action Type: Cleanup Action
Action Date: 3/3/2014
Received Issue Date:
Action: Soil Vapor Extraction (SVE)
Doc Link:
Title Description Comments:

SVE pilot test on SVE-1 (24 hour). The last 4 hours of the test included air sparging on AS-1.

Action Type: Cleanup Action
Action Date: 2/25/2014
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

MPE pilot testing on RW-3

Action Type: Response Requested - Workplans
Action Date: 9/26/2002
Received Issue Date:
Action: Corrective Action Plan / Remedial Action Plan
Doc Link:
Title Description Comments:

Corrective Action Plan - LOP postponed in 12/26/02 letter

Action Type: Response Requested - Reports
Action Date: 7/16/2002
Received Issue Date:
Action: Remedial Progress Report
Doc Link:
Title Description Comments:

Status on installing AS/SVE system that was approved 9/3/99

Action Type: Cleanup Action
Action Date: 7/8/1994
Received Issue Date:
Action: Excavation
Doc Link:
Title Description Comments:

Excavated approximately 54 cu. yds. beneath the dispensers and product line trenches. Actual mass of contaminants in the excavated soil is significantly less and not estimatable.

Action Type: Leak Action
Action Date: 4/27/1989
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 4/20/1989
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 4/20/1989
Received Issue Date:
Action: Excavation
Doc Link:
Title Description Comments:

Excavated approximately 50 cu. yds. from the waste oil UST cavity to remove visual signs of contamination. Actual mass of contaminants in the excavated soil is significantly less and not estimatable.

Action Type: Leak Action
Action Date: 4/20/1989
Received Issue Date:
Action: Leak Stopped
Doc Link:
Title Description Comments:

Action Type: Enforcement - Other
Action Date:
Received Issue Date:
Action: Unknown
Doc Link:
Title Description Comments:

Action Type: Response Requested - Reports
Action Date: 8/15/2017
Received Issue Date:
Action: Remedial Progress Report
Doc Link:
Title Description Comments:

2Q17 DPE System O&M Report - RP was unable to complete because the installation of the remediation system has not been completed

Action Type: Response Requested - Reports
Action Date: 5/15/2017
Received Issue Date:
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100575&doc_id=5932569
Title Description Comments:

1Q17 Groundwater Monitoring - Task will be complete when consultant reports on repairs to MW-16 and RW-1

Action Type: Response Requested - Reports
Action Date: 5/15/2017
Received Issue Date:
Action: Remedial Progress Report
Doc Link:
Title Description Comments:

1Q17 DPE System O&M Report - RP was unable to complete because the installation of the remediation system has not been completed

Action Type: Response Requested - Reports
Action Date: 11/15/2021
Received Issue Date:
Action: Remedial Progress Report
Doc Link:
Title Description Comments:

3Q21 RPR and GWMR

Action Type: Response Requested - Reports
Action Date: 8/15/2021
Received Issue Date:
Action: Remedial Progress Report
Doc Link:
Title Description Comments:

2Q21 RPR

Action Type: Response Requested - Reports
Action Date: 5/15/2021
Received Issue Date:

Action: Remedial Progress Report
Doc Link:
Title Description Comments:

1Q21 RPR and GWMR

Action Type: Response Requested - Reports
Action Date: 2/15/2021
Received Issue Date:
Action: Remedial Progress Report
Doc Link:
Title Description Comments:

4Q20 RPR

Action Type: Cleanup Action
Action Date: 7/11/2011
Received Issue Date:
Action: In Situ Physical/Chemical Treatment (other than SVE)
Doc Link:
Title Description Comments:

Ozone injection pilot test (12 hour). Pilot testing report did not estimate any amount of contaminant removed/destroyed during the test.

Action Type: Response Requested - Other
Action Date: 9/21/2003
Received Issue Date:
Action: Correspondence
Doc Link:
Title Description Comments:

Status on completing work approved in 8/21/02 and 12/26/02 letters

LUST Sites from GeoTracker Search - Site Maps (as of Feb 27, 2021)

Title: GEO_BORE (RW-5)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4480897903/T0608100575.PDF
Size : 210 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 1/6/2017

Title: GEO_BORE (RW-9)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8902482986/T0608100575.PDF
Size : 202 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 1/6/2017

Title: GEO_BORE (RW-7)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2370676398/T0608100575.PDF
Size : 137 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/19/2016

Title: GEO_BORE (RW-10)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2800127029/T0608100575.PDF
Size : 133 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/19/2016

Title: GEO_BORE (RW-11)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1705339431/T0608100575.PDF
Size : 91 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/19/2016

Title: GEO_BORE (RW-8)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8203203201/T0608100575.PDF
Size : 136 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/19/2016

Title: GEO_BORE (MW-20)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5218881964/T0608100575.PDF
Size : 130 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/19/2016

Title: GEO_BORE (RW-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2275428473/T0608100575.PDF
Size : 136 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/19/2016

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7512678682/T0608100575.PDF
Size : 121 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/19/2016

Title: GEO_BORE (RW-6)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4740965425/T0608100575.PDF
Size : 135 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/19/2016

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3642630875/T0608100575.PDF
Size : 301 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/7/2014

Title: GEO BORE (SVE-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4912040472/T0608100575.PDF
Size : 174 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 4/10/2014

Title: GEO BORE (AS-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6905473232/T0608100575.PDF
Size : 146 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 4/10/2014

Title: GEO BORE (PZ-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1322730362/T0608100575.PDF
Size : 137 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 4/10/2014

Title: GEO BORE (RW-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8621143400/T0608100575.PDF
Size : 135 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 4/10/2014

Title: GEO BORE (PZ-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2450064957/T0608100575.PDF
Size : 176 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 4/10/2014

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5286086320/T0608100575.PDF
Size : 309 KB

Submitted By: STANTEC (CONTRACTOR)
Submitted: 2/17/2012

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/2679829418/T0608100575.PDF
Size : 300 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 2/17/2012

Title: GEO BORE (OBS-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1749587297/T0608100575.PDF
Size : 107 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 9/13/2011

Title: GEO BORE (OBS-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5222055017/T0608100575.PDF
Size : 108 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 9/13/2011

Title: GEO BORE (SB-13)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5828785717/T0608100575.PDF
Size : 75 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 9/13/2011

Title: GEO BORE (OS-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6611756324/T0608100575.PDF
Size : 100 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 9/13/2011

Title: GEO BORE (OBS-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6342453956/T0608100575.PDF
Size : 93 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 9/13/2011

Title: GEO BORE (SB-12)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4487894713/T0608100575.PDF
Size : 94 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 9/13/2011

Title: GEO_BORE (MW-19)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9959839820/T0608100575.PDF
Size : 140 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/31/2010

Title: GEO_BORE (HA-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7660035490/T0608100575.PDF
Size : 634 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/31/2010

Title: GEO_BORE (MW-1A)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8067578911/T0608100575.PDF
Size : 137 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/31/2010

Title: GEO_BORE (DESTRUCTION) (MW-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8948403477/T0608100575.PDF
Size : 86 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/31/2010

Title: GEO_BORE (DESTRUCTION) (MW-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8521524012/T0608100575.PDF
Size : 228 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/31/2010

Title: GEO_BORE (DESTRUCTION) (MW-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7405450403/T0608100575.PDF
Size : 88 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/31/2010

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5027939796/T0608100575.PDF
Size : 526 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/31/2010

Title: GEO_BORE (SB-11)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3922372400/T0608100575.PDF
Size : 129 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/31/2010

Title: GEO_BORE (MW-2A)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3600961148/T0608100575.PDF
Size : 132 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/31/2010

Title: GEO_BORE (MW-11AR)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9133734464/T0608100575.PDF
Size : 113 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_BORE (DESTRUCTION) (MW-12)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1944497525/T0608100575.PDF
Size : 68 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_BORE (MW-18)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5069342374/T0608100575.PDF
Size : 161 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_BORE (MW-7A)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3205950081/T0608100575.PDF
Size : 139 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/6372759163/T0608100575.PDF
Size : 5,111 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_BORE (DESTRUCTION) (MW-9)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7297832667/T0608100575.PDF
Size : 68 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_BORE (MW-12A)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2534160792/T0608100575.PDF
Size : 108 KB

Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_BORE (SB-9)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9315621495/T0608100575.PDF
Size : 105 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_BORE (HA-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4590279996/T0608100575.PDF
Size : 94 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9671927213/T0608100575.PDF
Size : 2,513 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_BORE (MW-9A)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9747384190/T0608100575.PDF
Size : 104 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_BORE (HP-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3584402799/T0608100575.PDF
Size : 3,585 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_BORE (DESTRUCTION) (MW-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2150415003/T0608100575.PDF
Size : 958 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_BORE (MW-6AR)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2301865935/T0608100575.PDF
Size : 102 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_BORE (MW-8A)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7690456569/T0608100575.PDF
Size : 117 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_BORE (SB-10)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9064245939/T0608100575.PDF
Size : 98 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_BORE (DESTRUCTION) (MW-8)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3643179655/T0608100575.PDF
Size : 68 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_BORE (DESTRUCTION) (MW-7)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3544106900/T0608100575.PDF
Size : 68 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_BORE (HA-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9757150113/T0608100575.PDF
Size : 397 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_BORE (MW-4A)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7599198698/T0608100575.PDF
Size : 114 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_BORE (MW-11A)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6966295540/T0608100575.PDF
Size : 65 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_BORE (DESTRUCTION) (MW-6A)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3674965977/T0608100575.PDF
Size : 68 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 10/29/2009

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7313950061/T0608100575.pdf
Size : 893 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 2/29/2008

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5013136148/T0608100575.pdf
Size : 429 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 2/29/2008

Title: GEO_BORE (CPT-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9108962118/T0608100575.pdf
Size : 39 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 1/23/2008

Title: GEO_BORE (MW-11A)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5668291985/T0608100575.pdf
Size : 70 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 1/22/2008

Title: GEO_BORE (SB-7)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6894228875/T0608100575.pdf
Size : 78 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 1/22/2008

Title: GEO_BORE (MW-6A)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4036437094/T0608100575.pdf
Size : 86 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 1/22/2008

Title: GEO_BORE (TVW-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1692202508/T0608100575.pdf
Size : 60 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 8/16/2007

Title: GEO_BORE (TVW-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2616688609/T0608100575.pdf
Size : 73 KB

Submitted By: ANTEA (CONTRACTOR)
Submitted: 8/16/2007

Title: GEO_BORE (TVW-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3835499405/T0608100575.pdf
Size : 57 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 8/16/2007

Title: GEO_BORE (TVW-7)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2282346963/T0608100575.pdf
Size : 79 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 8/16/2007

Title: GEO_BORE (TVW-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3490691244/T0608100575.pdf
Size : 60 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 8/16/2007

Title: GEO_BORE (TVW-5)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3491763055/T0608100575.pdf
Size : 57 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 8/16/2007

Title: GEO_BORE (TVW-8)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6960696160/T0608100575.pdf
Size : 80 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 8/16/2007

Title: GEO_BORE (TVW-6)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5214543223/T0608100575.pdf
Size : 76 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 8/16/2007

Title: GEO_BORE (HP-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2119708001/T0608100575.pdf
Size : 67 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 2/22/2007

Title: GEO_BORE (HP-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3235135734/T0608100575.pdf
Size : 62 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 2/22/2007

Title: GEO_BORE (HP-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2205401360/T0608100575.pdf
Size : 68 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 2/22/2007

Title: GEO_BORE (SB-8)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1909576237/T0608100575.pdf
Size : 72 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 12/15/2006

Title: GEO_BORE (MW-13A)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4682407975/T0608100575.pdf
Size : 71 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 12/15/2006

Title: GEO_BORE (MW-5A)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9164457559/T0608100575.pdf
Size : 64 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 12/15/2006

Title: GEO_BORE (MW-10A)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7434056162/T0608100575.pdf
Size : 53 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 12/15/2006

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3945774674/T0608100575.pdf
Size : 384 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 12/15/2006

LUST Sites from GeoTracker Search - Documents (as of Feb 27, 2021)

Document Type: Site Documents
Document Date: 12/17/2020
Type: STAFF LETTER
Title: LOP LETTER CONCURRENCE WITH CONTINUED DPE SYSTEM OPERATION AND SEMI-ANNUAL GROUNDWATER MONITORING, WITH REQUEST TO EVALUATE AND OPTIMIZE CERTAIN ASPECTS OF DPE OPS AND REPORTING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6453849
Size :
Submitted By: BRIAN GWINN (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 11/13/2020
Type: REMEDIAL PROGRESS REPORT
Title: REMEDIATION PROGRESS REPORT - THIRD QUARTER 2020
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3040966331/T0608100575.PDF
Size : 3,550 KB
Submitted By: GHD (CONTRACTOR)
Submitted:

Document Type: Monitoring Reports
Document Date: 11/12/2020
Type: MONITORING REPORT - SEMI-ANNUALLY
Title: SECOND SEMI-ANNUAL 2020 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9847735822/T0608100575.PDF
Size : 4,217 KB
Submitted By: GHD (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 10/27/2020
Type: EMAIL CORRESPONDENCE
Title: GPP EMAIL CONCURRING WITH CONTINUED DPE SYSTEM OPS AND GW MONITORING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6450801
Size :
Submitted By: BRIAN GWINN (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 8/12/2020
Type: REMEDIAL PROGRESS REPORT
Title: REMEDIATION PROGRESS REPORT - SECOND QUARTER 2020
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7551840007/T0608100575.PDF
Size : 2,428 KB
Submitted By: GHD (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 8/7/2020
Type: CORRESPONDENCE
Title: MANAGEMENT OF CHANGE LETTER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6227328717/T0608100575.PDF
Size : 160 KB
Submitted By: GHD (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 6/16/2020
Type: STAFF LETTER
Title: LOP DIRECTION TO CONTINUE DPE SYSTEM OPS AND SEMI-ANNUAL GW MONITORING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6438377
Size :
Submitted By: BRIAN GWINN (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 5/15/2020
Type: PROGRESS REPORT (SOIL/GW/ UPDATES)
Title: REMEDIATION PROGRESS REPORT - FIRST QUARTER 2020
Size : 4,444 KB
Submitted By: GHD (CONTRACTOR)
Submitted:

Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9595221400/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 4,124 KB
Document Date: 4/27/2020 **Submitted By:** GHD (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: FIRST SEMI-ANNUAL 2020 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2343221843/T0608100575.PDF

Document Type: Site Documents **Size :**
Document Date: 4/10/2020 **Submitted By:** BRIAN GWINN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP COMMENTS TO REMEDIAL SYSTEM STATUS AND SHUTTERING DURING COVID-19 SHELTER IN PLACE ORDER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6432092

Document Type: Site Documents **Size :** 180 KB
Document Date: 3/18/2020 **Submitted By:** GHD (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: NOTICE OF REMEDIATION SYSTEM SHUTDOWN DUE TO SHELTER IN PLACE
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7019945621/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 3,776 KB
Document Date: 2/14/2020 **Submitted By:** GHD (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: REMEDIATION PROGRESS REPORT - FOURTH QUARTER 2019
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2553917944/T0608100575.PDF

Document Type: Site Documents **Size :**
Document Date: 12/3/2019 **Submitted By:** BRIAN GWINN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP REQUIREMENT FOR QUARTERLY DPE REMEDIAL PROGRESS REPORTS AND SEMI-ANNUAL GROUNDWATER MONITORING REPORTS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6421824

Document Type: Site Documents **Size :**
Document Date: 11/8/2019 **Submitted By:** BRIAN GWINN (REGULATOR)
Type: REMEDIAL PROGRESS REPORT **Submitted:**
Title: DPE SYSTEM STATUS UPDATE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&document_id=6009145

Document Type: Site Documents **Size :**
Document Date: 11/6/2019 **Submitted By:** BRIAN GWINN (REGULATOR)
Type: REMEDIAL PROGRESS REPORT **Submitted:**
Title: 3Q19 GROUNDWATER MONITORING AND REMEDIAL STATUS REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&document_id=6001553

Document Type: Monitoring Reports **Size :** 5,210 KB
Document Date: 11/5/2019 **Submitted By:** GHD (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: SECOND SEMI-ANNUAL 2019 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1811928808/T0608100575.PDF

Document Type: Site Documents **Size :**
Document Date: 10/25/2019 **Submitted By:** BRIAN GWINN (REGULATOR)
Type: REMEDIAL PROGRESS REPORT **Submitted:**
Title: DPE SYSTEM STATUS UPDATE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&document_id=6007498

Document Type: Site Documents **Size :**
Document Date: 10/11/2019 **Submitted By:** BRIAN GWINN (REGULATOR)
Type: REMEDIAL PROGRESS REPORT **Submitted:**
Title: DPE SYSTEM STATUS UPDATE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&document_id=6006876

Document Type: Site Documents **Size :**
Document Date: 9/13/2019 **Submitted By:** BRIAN GWINN (REGULATOR)
Type: REMEDIAL PROGRESS REPORT **Submitted:**
Title: DPE SYSTEM STATUS UPDATE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&document_id=6004871

Document Type: Site Documents
Document Date: 8/30/2019
Type: REMEDIAL PROGRESS REPORT
Title: DPE SYSTEM STATUS UPDATE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&document_id=6003373
Size :
Submitted By: BRIAN GWINN (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 8/16/2019
Type: CORRESPONDENCE
Title: DPE SYSTEM STATUS UPDATE
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7334161579/T0608100575.PDF
Size : 157 KB
Submitted By: GHD (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 8/13/2019
Type: STAFF LETTER
Title: LOP REQUEST FOR BI-WEEKLY UPDATES UNTIL DPE SYSTEM IS OPERATIONAL
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6411941
Size :
Submitted By: BRIAN GWINN (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 8/2/2019
Type: EMAIL CORRESPONDENCE
Title: CONSULTANT EMAIL REGARDING REMEDIAL SYSTEM STATUS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&document_id=6001551
Size :
Submitted By: BRIAN GWINN (REGULATOR)
Submitted:

Document Type: Monitoring Reports
Document Date: 5/2/2019
Type: MONITORING REPORT - QUARTERLY
Title: 1Q19 GROUNDWATER MONITORING, CONSTRUCTION COMPLETION AND REMEDIATION STATUS REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1506262660/T0608100575.PDF
Size : 71,476 KB
Submitted By: ARCADIS (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 4/9/2019
Type: STAFF LETTER
Title: LOP LETTER INDICATING THAT REGULATORY CORRESPONDENCE WILL BE ADDRESSED TO BOTH CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY AND PHILLIPS 66 COMPANY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6398677
Size :
Submitted By: BRIAN GWINN (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 3/22/2019
Type: CORRESPONDENCE
Title: 351828 MANAGEMENT TRANSITION LETTER 03222019
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8456351161/T0608100575.PDF
Size : 154 KB
Submitted By: ARCADIS (CONTRACTOR)
Submitted:

Document Type: Monitoring Reports
Document Date: 2/13/2019
Type: MONITORING REPORT - QUARTERLY
Title: 1992-02-20_1Q92-GWM_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6171002328/T0608100575.PDF
Size : 1,153 KB
Submitted By: ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 2/11/2019
Type: EMAIL CORRESPONDENCE
Title: LOP EMAIL CONCURRING WITH RECOMMENDATION FOR CONTINUE SEMI-ANNUAL GROUNDWATER MONITORING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6384993
Size :
Submitted By: BRIAN GWINN (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 12/27/2018
Type: EMAIL CORRESPONDENCE
Title: EMAIL CHAIN RE: SYSTEM START-UP
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&document_id=5984399
Size :
Submitted By: BRIAN GWINN (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 12/3/2018
Type: EMAIL CORRESPONDENCE
Title: CONSULTANT EMAIL
Size :
Submitted By: BRIAN GWINN (REGULATOR)
Submitted:

Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&document_id=5984398

Document Type: Monitoring Reports
Size : 7,010 KB
Document Date: 11/14/2018
Submitted By: ARCADIS (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY
Submitted:
Title: 3Q18 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3537909388/T0608100575.PDF

Document Type: Site Documents
Size :
Document Date: 9/6/2018
Submitted By: BRIAN GWINN (REGULATOR)
Type: EMAIL CORRESPONDENCE
Submitted:
Title: CONSULTANT EMAIL
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&document_id=5984397

Document Type: Site Documents
Size :
Document Date: 8/21/2018
Submitted By: BRIAN GWINN (REGULATOR)
Type: EMAIL CORRESPONDENCE
Submitted:
Title: CONSULTANT EMAIL
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&document_id=5973541

Document Type: Site Documents
Size :
Document Date: 8/10/2018
Submitted By: BRIAN GWINN (REGULATOR)
Type: STAFF LETTER
Submitted:
Title: LOP LETTER RESPONDING TO PROPOSED MODIFICATIONS TO REMEDIAL ACTION PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6366359

Document Type: Site Documents
Size : 2,386 KB
Document Date: 6/19/2018
Submitted By: ARCADIS (CONTRACTOR)
Type: OPERATION AND MAINTENANCE PLAN/MONITORING REPORT
Submitted:
Title: PROPOSED MODIFICATIONS TO REMEDIAL ACTION PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6768905878/T0608100575.PDF

Document Type: Monitoring Reports
Size : 7,125 KB
Document Date: 5/15/2018
Submitted By: ARCADIS (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY
Submitted:
Title: 1Q18 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4485946893/T0608100575.PDF

Document Type: Site Documents
Size :
Document Date: 5/10/2018
Submitted By: BRIAN GWINN (REGULATOR)
Type: EMAIL CORRESPONDENCE
Submitted:
Title: CONSULTANT EMAIL STATUS UPDATE FOR SYSTEM INSTALLATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6357597

Document Type: Site Documents
Size :
Document Date: 1/18/2018
Submitted By: BRIAN GWINN (REGULATOR)
Type: EMAIL CORRESPONDENCE
Submitted:
Title: CONSULTANT EMAIL - PZ-2 COVERED BY LUMBER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6345996

Document Type: Site Documents
Size :
Document Date: 1/4/2018
Submitted By: BRIAN GWINN (REGULATOR)
Type: EMAIL CORRESPONDENCE
Submitted:
Title: EMAIL CHAIN REGARDING REQUEST TO CHANGE RP ADDRESSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6344761

Document Type: Site Documents
Size :
Document Date: 1/3/2018
Submitted By: BRIAN GWINN (REGULATOR)
Type: STAFF LETTER
Submitted:
Title: LOP LETTER RESPONDING TO 3Q17 GW MON & SYSTEM INSTALL UPDATE REPORT. REQUEST SUBMITTAL OF DPE REMEDIAL PROGRESS REPORT BY 5/15/18.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6344599

Document Type: Monitoring Reports
Size : 10,169 KB
Document Date: 11/15/2017
Submitted By: ARCADIS (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY
Submitted:
Title: 3Q17 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8185865938/T0608100575.PDF

Document Type: Site Documents **Size :**
Document Date: 8/8/2017 **Submitted By:** DENO MILANO (REGULATOR)
Type: EMAIL CORRESPONDENCE **Submitted:**
Title: LOP STAFF COMMENTS ON 5/3/17 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6329266

Document Type: Monitoring Reports **Size :** 6,670 KB
Document Date: 5/3/2017 **Submitted By:** ARCADIS (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 1Q17 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1038367927/T0608100575.PDF

Document Type: Site Documents **Size :**
Document Date: 3/30/2017 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP STAFF COMMENTS ON 2/28/17 LETTER REQUESTING AN EXTENSION TO THE DEADLINE FOR UPLOADING THE MPE STARTUP/FIRST O&M REPORT FROM 5/15/17 TO APPROXIMATELY 11/18/17. LOP DID NOT CONSIDER THE EXTENSION REQUEST JUSTIFIED. LOP CONSIDERED CHEVRON NON-COMPLIANT WITH THE HEALTH AND SAFETY CODE.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6315544

Document Type: Site Documents **Size :** 102 KB
Document Date: 2/28/2017 **Submitted By:** ARCADIS (CONTRACTOR)
Type: PROGRESS REPORT (SOIL/GW/ UPDATES) **Submitted:**
Title: REMEDIAL STATUS LETTER AND REQUEST FOR EXTENSION (2/28/16)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6316713333/T0608100575.PDF

Document Type: Site Documents **Size :**
Document Date: 12/20/2016 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP STAFF COMMENTS ON 8/22/16 WELL INSTALLATION AND DESTRUCTION REPORT AND 11/15/16 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6306540

Document Type: Monitoring Reports **Size :** 12,209 KB
Document Date: 11/15/2016 **Submitted By:** ARCADIS (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 3Q16 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8792930305/T0608100575.PDF

Document Type: Site Documents **Size :** 43 KB
Document Date: 9/14/2016 **Submitted By:** ARCADIS (CONTRACTOR)
Type: MEMORANDUM **Submitted:**
Title: NOTIFICATION OF CHANGE IN RP PROJECT MANAGER AND CONSULTANT (9/14/16)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5645377874/T0608100575.PDF

Document Type: Site Documents **Size :** 10,992 KB
Document Date: 8/22/2016 **Submitted By:** STANTEC (CONTRACTOR)
Type: WELL INSTALLATION REPORT **Submitted:**
Title: WELL INSTALLATION AND DESTRUCTION REPORT (8/22/16)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7604173660/T0608100575.PDF

Document Type: Site Documents **Size :**
Document Date: 8/16/2016 **Submitted By:** DENO MILANO (REGULATOR)
Type: EMAIL CORRESPONDENCE **Submitted:**
Title: LOP STAFF COMMENTS ON 1Q16 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6295155

Document Type: Monitoring Reports **Size :** 3,926 KB
Document Date: 5/13/2016 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 1Q16 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2181837618/T0608100575.PDF

Document Type: Site Documents **Size :**
Document Date: 1/6/2016 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP STAFF COMMENTS ON 11/13/15 REMEDIAL ACTION PLAN (RAP) AND 11/17/15 GROUNDWATER

MONITORING REPORT. LOP CONDITIONALLY APPROVED THE RAP.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6271951

Document Type: Site Documents ***Size :*** 10,471 KB
Document Date: 11/17/2015 ***Submitted By:*** STANTEC (CONTRACTOR)
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN ***Submitted:***
Title: REMEDIAL ACTION PLAN (11/17/15)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7938959479/T0608100575.PDF

Document Type: Monitoring Reports ***Size :*** 6,485 KB
Document Date: 11/13/2015 ***Submitted By:*** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Title: 3Q15 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8449400484/T0608100575.PDF

Document Type: Site Documents ***Size :***
Document Date: 5/28/2015 ***Submitted By:*** DENO MILANO (REGULATOR)
Type: STAFF LETTER ***Submitted:***
Title: LOP STAFF COMMENTS ON 3/31/15 CORRECTIVE ACTION PLAN. LOP APPROVED THE SECONDARY RECOMMENDATION TO UPLOAD A REMEDIAL ACTION PLAN FOR MULTIPHASE EXTRACTION.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6246638

Document Type: Monitoring Reports ***Size :*** 9,131 KB
Document Date: 5/15/2015 ***Submitted By:*** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Title: 1Q15 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4247553229/T0608100575.PDF

Document Type: Site Documents ***Size :*** 9,112 KB
Document Date: 3/31/2015 ***Submitted By:*** STANTEC (CONTRACTOR)
Type: CAP/RAP - OTHER REPORT ***Submitted:***
Title: CORRECTIVE ACTION PLAN (3/31/15)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6188926458/T0608100575.PDF

Document Type: Site Documents ***Size :***
Document Date: 2/9/2015 ***Submitted By:*** DENO MILANO (REGULATOR)
Type: STAFF LETTER ***Submitted:***
Title: LOP STAFF COMMENTS ON 3Q14 GROUNDWATER MONITORING REPORT. LOP REDUCED GROUNDWATER SAMPLING FREQUENCY OF MW-10A, MW-11AR, MW-18, MW-19, AND OBS-1 TO ANNUAL AND REMINDED RP THAT ANNUAL SAMPLING OF MW-6AR WAS APPROVED IN LOP 2/28/13 LETTER.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6235643

Document Type: Monitoring Reports ***Size :*** 8,370 KB
Document Date: 11/13/2014 ***Submitted By:*** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Title: 3Q14 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8889091253/T0608100575.PDF

Document Type: Site Documents ***Size :***
Document Date: 10/7/2014 ***Submitted By:*** DENO MILANO (REGULATOR)
Type: STAFF LETTER ***Submitted:***
Title: LOP STAFF COMMENTS ON 4/10/14 WELL INSTALLATION AND DUAL-PHASE EXTRACTION (DPE) PILOT TESTING REPORT AND 5/15/14 GROUNDWATER MONITORING REPORT. LOP REQUIRED RP TO UPLOAD A CAP COMPARING DPE TO AT LEAST ONE OTHER METHOD HAVING A REASONABLE CHANCE OF SUCCESS TO SATISFY THE REMEDIAL OBJECTIVE.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6223601

Document Type: Site Documents ***Size :***
Document Date: 7/23/2014 ***Submitted By:*** DENO MILANO (REGULATOR)
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Title: LOP EMAIL STATING JOINT GROUNDWATER MONITORING WITH LUFT CASE AT 130 SOUTH EL CAMINO REAL IS NO LONGER MANDATORY. LOP ALSO INDICATED RP FOR LUFT CASE AT 1876 EL CAMINO REAL SHOULD EVALUATE IF THEY MAY NEED SOME OF THE WELLS INSTALLED AT 131 SOUTH EL CAMINO REAL.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6213862

Document Type: Monitoring Reports ***Size :*** 1,182 KB

Document Date: 7/22/2014 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - OTHER **Submitted:**
Title: WASTE DISPOSAL MANIFESTS FOR 4/10/14 WELL INSTALLATION AND PILOT TESTING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9714362442/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 13,229 KB
Document Date: 5/15/2014 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 1Q14 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2951799511/T0608100575.PDF

Document Type: Site Documents **Size :**
Document Date: 5/7/2014 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP STAFF EMAIL COMMENTING ON 3Q13 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6202324

Document Type: Site Documents **Size :** 26,912 KB
Document Date: 4/10/2014 **Submitted By:** STANTEC (CONTRACTOR)
Type: PILOT STUDY/ TREATABILITY REPORT **Submitted:**
Title: WELL INSTALLATION AND DPE, SVE, AND SVE/AS PILOT TESTING REPORT (4/10/14)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9312400162/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 9,676 KB
Document Date: 11/15/2013 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 3Q13 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7522218227/T0608100575.PDF

Document Type: Site Documents **Size :**
Document Date: 10/22/2013 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP STAFF COMMENTS ON 8/2/13 DPE AND SVE/AS PILOT TESTING WORKPLAN. LOP STAFF CONDITIONALLY APPROVED THE WORKPLAN.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6180060

Document Type: Site Documents **Size :** 8,311 KB
Document Date: 8/28/2013 **Submitted By:** STANTEC (CONTRACTOR)
Type: PILOT STUDY / TREATABILITY WORKPLAN **Submitted:**
Title: WORKPLAN FOR DPE AND AS/SVE PILOT TESTING (8/28/13)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4233615934/T0608100575.PDF

Document Type: Site Documents **Size :** 80 KB
Document Date: 8/15/2013 **Submitted By:** STANTEC (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: NOTICE TO AGENCY OF CHANGE IN CONTACT INFORMATION (8/15/13)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9463699281/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 7,665 KB
Document Date: 5/15/2013 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 1Q13 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9863965868/T0608100575.PDF

Document Type: Site Documents **Size :**
Document Date: 2/28/2013 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP STAFF COMMENTS ON 7/11/12 REVISED REMEDIAL SCREENING ANALYSIS AND SCM. LOP APPROVED RECOMMENDATIONS TO PREPARE A WORKPLAN TO PILOT TEST MULTIPHASE EXTRACTION, DISCONTINUE ANALYZING GROUNDWATER SAMPLES FOR 1,2-DCE, AND TO REDUCE THE SAMPLING FREQUENCY OF MW-6AR TO ANNUAL. LOP STAFF DIRECTED RP TO UPLOAD GEOXYZ FILES FOR RW-1 AND RW-2.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6150790

Document Type: Site Documents **Size :**
Document Date: 12/27/2012 **Submitted By:** DENO MILANO (REGULATOR)
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Title: LOP STAFF EMAIL RESPONDING TO HACOR'S 12/26/12 EMAIL REGARDING ACCESS AGREEMENT FOR

MW-16 AND MW-17
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6145795

Document Type: Site Documents
Document Date: 12/20/2012
Type: WARNING LETTER
Title: LOP STAFF DIRECTED HACOR (PROPERTY OWNER AT 50 BRODERICK ROAD WHERE MW-16 AND MW-17 ARE LOCATED) TO NEGOTIATE A REASONABLE ACCESS AGREEMENT WITH CHEVRON BY 2/20/13 OR LOP STAFF WILL NAME HACOR AS THE PARTY RESPONSIBLE FOR ASSESSING SOIL AND GROUNDWATER AT 50 BRODERICK ROAD.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6145563
Size :
Submitted By: DENO MILANO (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 11/15/2012
Type: OTHER REPORT / DOCUMENT
Title: STATUS OF OFFSITE ACCESS NEGOTIATIONS (11/15/12)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6673261523/T0608100575.PDF
Size : 298 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted:

Document Type: Monitoring Reports
Document Date: 11/14/2012
Type: MONITORING REPORT - SEMI-ANNUALLY
Title: 3Q12 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7797443449/T0608100575.PDF
Size : 4,193 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 9/26/2012
Type: STAFF LETTER
Title: LOP STAFF EMAIL REQUIRING RP TO SUBMIT A LETTER SUMMARIZING OFFSITE ACCESS NEGOTIATIONS OCCURRING BETWEEN 9/1/12 AND 10/31/12
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6138746
Size :
Submitted By: DENO MILANO (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 9/14/2012
Type: CORRESPONDENCE
Title: STATUS OF OFFSITE ACCESS NEGOTIATIONS (9/14/12)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9615997254/T0608100575.PDF
Size : 52 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 7/30/2012
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
Title: LOP STAFF EMAIL RESPONDING TO CONSULTANT'S 7/30/12 EMAIL REGARDING NEED TO PREPARE ANOTHER LETTER ON THE STATUS OF OFFSITE ACCESS NEGOTIATIONS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6131885
Size :
Submitted By: DENO MILANO (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 7/17/2012
Type: STAFF LETTER
Title: LOP STAFF COMMENTS ON 5/15/12 GROUNDWATER MONITORING REPORT AND 5/15/12 LETTER SUMMARIZING NEGOTIATIONS TO OBTAIN ACCESS TO MONITOR MW-16 AND MW-17. LOP APPROVED RECOMMENDATION TO DISCONTINUE ANALYZING GROUNDWATER MONITORING SAMPLES FOR 1,2-DCA, TDS, AND OXYGENATES. LOP REQUIRED RP TO UPLOAD ANOTHER STATUS ON THE WORK PERFORMED TO OBTAIN ACCESS TO MW-16 AND MW-17
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6130403
Size :
Submitted By: DENO MILANO (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 7/11/2012
Type: SITE CONCEPTUAL MODEL
Title: REVISED REMEDIAL SCREENING ANALYSIS AND SITE CONCEPTUAL MODEL (7/11/12)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4284245312/T0608100575.PDF
Size : 17,596 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 5/15/2012
Type: CORRESPONDENCE
Title: STATUS OF OFFSITE ACCESS NEGOTIATIONS (5/15/12)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9218205273/T0608100575.PDF
Size : 1,423 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted:

Document Type: Monitoring Reports
Document Date: 5/15/2012
Size : 5,826 KB
Submitted By: STANTEC (CONTRACTOR)

Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 1Q12 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6437153637/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 759 KB
Document Date: 3/23/2012 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: WASTE MANIFEST FOR APRIL AND AUGUST 2011 ASSESSMENT AND 3Q11 MONITORING
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3473008513/T0608100575.PDF

Document Type: Site Documents **Size :**
Document Date: 3/12/2012 **Submitted By:** DENO MILANO (REGULATOR)
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Title: LOP STAFF CLARIFIES DOCUMENT SUBMITTAL REQUIRED IN 2/28/12 LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6115315

Document Type: Site Documents **Size :**
Document Date: 2/28/2012 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP STAFF COMMENTS ON 9/13/11 ASSESSMENT REPORT, 9/13/11 OZONE SPARGING PILOT TESTING REPORT, AND 11/14/11 GROUNDWATER MONITORING REPORT. LOP CONSIDERED THE PILOT TESTING FLAWED AND DID NOT CONSIDER THE RECOMMENDATION TO PREPARE A WORKPLAN FOR SVE/AS OR MPE PILOT TESTING JUSTIFIED. LOP DIRECTED RP TO PREPARE A REPORT JUSTIFYING THE TARGET ZONE OF REMEDIATION AND AMOUNT OF CLEANUP REQUIRED WHICH CAN BE USED TO RECOMMEND APPROPRIATE REMEDIAL TESTING. LOP ALSO DIRECTED RP TO IMMEDIATELY UPLOAD A STATUS REPORT SUMMARIZING ALL INTERACTION SINCE MAY 2010 TO OBTAIN ACCESS TO MW-16 AND MW-17 ON HACOR PROPERTY. LOP ALSO DIRECTED RP TO IMMEDIATELY UPLOAD GEOWELL FILES FOR 4/18/11 AND 7/11/11 GAUGING EVENTS AND CORRECT GEOMAP FOR DENIED GEOMAP #6292. ALSO REQUIRED ANNUAL MONITORING OF RW-1 AND RW-2.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6114220

Document Type: Monitoring Reports **Size :** 4,977 KB
Document Date: 11/15/2011 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 3Q11 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7038233458/T0608100575.PDF

Document Type: Site Documents **Size :** 14,091 KB
Document Date: 9/13/2011 **Submitted By:** STANTEC (CONTRACTOR)
Type: PILOT STUDY / TREATABILITY WORKPLAN **Submitted:**
Title: OZONE SPARGING PILOT TESTING REPORT (9/13/11)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2551966369/T0608100575.PDF

Document Type: Site Documents **Size :** 3,400 KB
Document Date: 9/13/2011 **Submitted By:** STANTEC (CONTRACTOR)
Type: SITE ASSESSMENT REPORT **Submitted:**
Title: OFFSITE ASSESSMENT REPORT (9/13/11)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3761735439/T0608100575.PDF

Document Type: Site Documents **Size :**
Document Date: 6/30/2011 **Submitted By:** DENO MILANO (REGULATOR)
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Title: LOP COMMENTS ON 6/14/11 PROGRESS LETTER. LOP EXTENDED COMPLETION DEADLINE FOR PILOT TEST AND OFFSITE BORING FROM 6/15/11 TO 9/15/11.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6090912

Document Type: Site Documents **Size :** 195 KB
Document Date: 6/14/2011 **Submitted By:** STANTEC (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: PROGRESS OF OZONE SPARGE TEST AND DEADLINE EXTENSION REQUEST (6/14/11)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9954828917/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 5,478 KB
Document Date: 5/13/2011 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 1Q11 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7416574060/T0608100575.PDF

Document Type: Site Documents **Size :** 59 KB
Document Date: 3/25/2011 **Submitted By:** TRC IRVINE (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: NOTICE OF CHANGE IN ENVIRONMENTAL MANAGEMENT (3/25/11)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5386849939/T0608100575.PDF

Document Type: Site Documents **Size :**
Document Date: 1/10/2011 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP COMMENTS ON 8/31/10 ASSESSMENT AND GROUNDWATER MONITORING REPORTS AND 10/29/10 OZONE SPARGE PILOT TESTING WORKPLAN. LOP CONDITIONALLY APPROVED RECOMMENDATION TO DESTROY RW-1 AND RW-2, REQUIRED A GRAB GROUNDWATER SAMPLE BETWEEN B-6 AND B-7 (NO WORKPLAN REQUIRED), AND CONDITIONALLY APPROVED PILOT TESTING WORKPLAN.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6074020

Document Type: Site Documents **Size :**
Document Date: 11/22/2010 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP INFORMS CHEVRON THEY ARE THE LEGAL RP BY VIRTUE OF ACQUIRING UNOCAL CORPORATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6070224

Document Type: Monitoring Reports **Size :** 4,662 KB
Document Date: 11/16/2010 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: ADDENDUM TO 3Q10 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6914498865/T0608100575.PDF

Document Type: Site Documents **Size :** 7,632 KB
Document Date: 10/29/2010 **Submitted By:** STANTEC (CONTRACTOR)
Type: PILOT STUDY / TREATABILITY WORKPLAN **Submitted:**
Title: WORKPLAN FOR OZONE SPARGE PILOT TESTING (10/29/10)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1739640593/T0608100575.PDF

Document Type: Site Documents **Size :**
Document Date: 9/8/2010 **Submitted By:** DENO MILANO (REGULATOR)
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Title: LOP EMAIL EXTENDING THE DEADLINE FOR UPLOADING THE OZONE SPARGE TESTING WORKPLAN FROM 8/31/10 TO 11/1/10
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6063242

Document Type: Site Documents **Size :** 14,084 KB
Document Date: 8/31/2010 **Submitted By:** STANTEC (CONTRACTOR)
Type: SITE ASSESSMENT REPORT **Submitted:**
Title: ADDITIONAL ASSESSMENT REPORT (8/31/10)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6171273767/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 6,085 KB
Document Date: 8/31/2010 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 3Q10 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4580521583/T0608100575.PDF

Document Type: Site Documents **Size :** 237 KB
Document Date: 8/30/2010 **Submitted By:** STANTEC (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: EXTENSION REQUEST LETTER (8/30/10)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1643809020/T0608100575.PDF

Document Type: Site Documents **Size :** 300 KB
Document Date: 5/14/2010 **Submitted By:** STANTEC (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: STATUS OF OFFSITE ACCESS NEGOTIATIONS (5/14/10)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2775263488/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 9,576 KB
Document Date: 5/13/2010 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**

Title: 1Q10 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3990601897/T0608100575.PDF

Document Type: Site Documents
Document Date: 2/18/2010
Type: STAFF LETTER
Size :
Submitted By: DENO MILANO (REGULATOR)
Submitted:
Title: LOP COMMENTS ON 11/21/08 REMEDIAL FEASIBILITY REVIEW, 10/29/09 ASSESSMENT REPORT, 10/29/09 MONITORING REPORT, 12/23/09 ACCESS NEGOTIATIONS LETTER. LOP RESCINDED 12/2/08 APPROVAL TO DRILL CPT-2, EXTENDED DEADLINE TO REPORT FINDINGS ON RECENT DRILLING OF BORING HA-3, AND DIRECTED RP TO: 1) ASSESS GROUNDWATER SOUTHWEST OF MW-5A; 2) USE PHYSICAL OR GEOPHYSICAL MEANS TO ESTABLISH THE DEPTH OF THE STROM DRAIN TRENCH IN MURCHISON DRIVE; AND 3) REPORT ON THE PROGRESS OF ACCESS NEGOTIATIONS TO HACOR PARCEL. LOP APPROVED STANTEC RECOMMENDATIONS TO: 1) UPLOAD A PILOT TESTING WORKPLAN FOR OZONE INJECTION; 2) DESTROY MW-2 AND MW-3; 3) INSTALL A REPLACEMENT WELL FOR MW-2; AND 4) INDICATED IT COULD SUPPORT DESTRUCTION AND REINSTALLATION OF MW-1. LOP DELETED TPH-DIESEL FROM GROUNDWATER MONITORING ANALYTICAL SUITE, REDUCED THE GAUGING AND SAMPLING OF MW-16 AND MW-17 TO ANNUAL, AND REDUCED THE SAMPLING OF MW-1A AND MW-14 TO ANNUAL.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6043433

Document Type: Site Documents
Document Date: 1/18/2010
Type: SOIL AND WATER INVESTIGATION REPORT
Size : 5,753 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted:
Title: ADDENDUM TO OCTOBER 2009 ASSESSMENT REPORT (1/15/10)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7404328703/T0608100575.PDF

Document Type: Site Documents
Document Date: 12/23/2009
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
Size :
Submitted By: DENO MILANO (REGULATOR)
Submitted:
Title: LOP EMAIL RESPONDING TO HACOR PROPERTY OWNER'S RESPESENTATIVE'S 12/21/09 EMAIL. LOP INDICATES ACCESS NEGOTIATIONS ARE TAKING TOO LONG AND THAT IT MAY REQUIRE HACOR TO INVESTIGATE THEIR OWN PROPERTY IF THEY ARE NOT REASONABLE IN GRANTING CONOCOPHILLIPS ACCESS TO PERFORM REQUIRED SITE ASSESSMENT ACTIVITIES (I.E. DRILLING OF CPT-2 AND MONITORING OF MW-16 AND MW-17).
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6038740

Document Type: Site Documents
Document Date: 12/23/2009
Type: CORRESPONDENCE
Size : 288 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted:
Title: STATUS OF OFFSITE ACCESS NEGOTIATIONS (12/23/09)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8331124722/T0608100575.PDF

Document Type: Site Documents
Document Date: 10/29/2009
Type: SOIL AND WATER INVESTIGATION REPORT
Size : 11,247 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted:
Title: ASSESSMENT REPORT - TEXT THROUGH CROSS-SECTIONS (10/29/09)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2977355062/T0608100575.PDF

Document Type: Monitoring Reports
Document Date: 10/29/2009
Type: MONITORING REPORT - SEMI-ANNUALLY
Size : 5,475 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted:
Title: 3Q09 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8458466887/T0608100575.PDF

Document Type: Site Documents
Document Date: 10/29/2009
Type: SOIL AND WATER INVESTIGATION REPORT
Size : 6,501 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted:
Title: ASSESSMENT REPORT - TABLES THROUGH APPENDIX H (10/29/09)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4540841519/T0608100575.PDF

Document Type: Site Documents
Document Date: 10/21/2009
Type: STAFF LETTER
Size :
Submitted By: DENO MILANO (REGULATOR)
Submitted:
Title: LOP COMMENTS ON 10/14/09 LETTER ON STATUS OF OFFSITE ACCESS NEGOTIATIONS. REQUIRED RP TO CONTINUE TO NEGOTIATE ACCESS AND SUBMIT ANOTHER STATUS ON THE NEGOTIATIONS BY 12/31/09. ESTABLISHED A REPORTING DEADLINE OF 3/31/10 FOR WORK PLANNED NE OF CALIFORNIA

DRIVE IN ORDER TO ACCOMODATE NEGOTIATIONS (PREVIOUS 10/29/09 REPORTING DEADLINE WILL REMAIN FOR WORK ALREADY COMPLETED).
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6033690

Document Type: Site Documents **Size :** 202 KB
Document Date: 10/14/2009 **Submitted By:** STANTEC (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: STATUS OF OFFSITE ACCESS NEGOTIATIONS (10/14/09)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8545754551/T0608100575.PDF

Document Type: Site Documents **Size :**
Document Date: 7/21/2009 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: SWRCB RESOLUTION 2009-042 LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6022064

Document Type: Monitoring Reports **Size :** 462 KB
Document Date: 6/17/2009 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - OTHER **Submitted:**
Title: ADDENDUM TO 1Q09 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1104302525/T0608100575.PDF

Document Type: Site Documents **Size :**
Document Date: 6/1/2009 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP EXTENDS REPORTING DEADLINE LISTED IN 12/2/08 LETTER FROM 6/25/09 TO 10/29/09. INDICATED ACESS ISSUES ON HACOR PARCEL REQUIRE DOCUMENTATION.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6015365

Document Type: Site Documents **Size :** 201 KB
Document Date: 5/29/2009 **Submitted By:** STANTEC (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: STATUS OF OFFSITE ACCESS NEGOTIATIONS AND EXTENSION REQUEST (5/29/09)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7425856649/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 6,520 KB
Document Date: 5/15/2009 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 1Q09 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2185769200/T0608100575.PDF

Document Type: Site Documents **Size :**
Document Date: 12/15/2008 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP COMMENT ON FUEL DISCREPANCY REPORTED ON 4/27/94. LOP INDICATES IT WILL NOT FILE UNAUTHORIZED RELEASE REPORT WITH STATE BECAUSE INFORMATION PROVIDED SUGGESTS NO RELEASE OF FUEL OCCURRED.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=5996457

Document Type: Site Documents **Size :**
Document Date: 12/2/2008 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP COMMENTS ON 5/30/08 WORKPLAN. LOP CONDITIONALLY APPROVED WORKPLAN AND REQUIRED SUBMITTAL OF UNAUTHORIZED RELEASE REPORT FOR 1994 FUEL DISCREPANCY.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=5995180

Document Type: Site Documents **Size :** 14,174 KB
Document Date: 11/21/2008 **Submitted By:** STANTEC (CONTRACTOR)
Type: CAP/RAP - FEASIBILITY STUDY REPORT **Submitted:**
Title: REMEDIAL FEASIBILITY STUDY (11/21/08)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4899105250/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 9,719 KB
Document Date: 11/14/2008 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 3Q08 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9550475180/T0608100575.PDF

Document Type: Site Documents **Size :** 3,508 KB

Document Date: 5/30/2008 **Submitted By:** STANTEC (CONTRACTOR)
Type: WORKPLANS - INVESTIGATION WP **Submitted:**
Title: WORKPLAN FOR ADDITIONAL ASSESSMENT (5/30/08)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1246425807/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 8,569 KB
Document Date: 5/15/2008 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUAL **Submitted:**
Title: 1Q08 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7703673422/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 5,772 KB
Document Date: 11/15/2007 **Submitted By:** ANTEA (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUAL **Submitted:**
Title: 3Q07 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4633229136/T0608100575.PDF

Document Type: Site Documents **Size :** 14,472 KB
Document Date: 8/16/2007 **Submitted By:** ANTEA (CONTRACTOR)
Type: REPORTS - RISK ASSESSMENT RELATED RPT. **Submitted:**
Title: SUBSURFACE VAPOR SAMPLING REPORT (8/15/07)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5615681529/T0608100575.PDF

Document Type: Site Documents **Size :** 6,010 KB
Document Date: 6/7/2007 **Submitted By:** ANTEA (CONTRACTOR)
Type: REPORTS - QUARTERLY STATUS REPORT **Submitted:**
Title: 1Q07 GROUNDWATER MONITORING REPORT (REVISED)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1175322592/T0608100575.PDF

Document Type: Site Documents **Size :** 7,457 KB
Document Date: 2/1/2007 **Submitted By:** ANTEA (CONTRACTOR)
Type: REPORTS - QUARTERLY STATUS REPORT **Submitted:**
Title: 2Q06 & 3Q06 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5319183170/T0608100575.PDF

Document Type: Site Documents **Size :** 3,929 KB
Document Date: 1/23/2007 **Submitted By:** ANTEA (CONTRACTOR)
Type: REPORTS - INVESTIGATION RPT. **Submitted:**
Title: TROUSDALE CANAL INVESTIGATION REPORT (1/12/07)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3126728892/T0608100575.PDF

Document Type: Site Documents **Size :** 3,202 KB
Document Date: 12/8/2006 **Submitted By:** ANTEA (CONTRACTOR)
Type: WORKPLANS - INVESTIGATION WP **Submitted:**
Title: WORKPLAN FOR SUBSURFACE VAPOR INVESTIGATION (12/8/06)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2398526847/T0608100575.PDF

Document Type: Site Documents **Size :** 9,112 KB
Document Date: 11/15/2006 **Submitted By:** ANTEA (CONTRACTOR)
Type: REPORTS - INVESTIGATION RPT. **Submitted:**
Title: SUBSURFACE INVESTIGATION REPORT (11/14/06)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7322050333/T0608100575.PDF

Document Type: Site Documents **Size :** 1,760 KB
Document Date: 11/6/2006 **Submitted By:** ANTEA (CONTRACTOR)
Type: CORRESPONDENCE - OTHER **Submitted:**
Title: RESPONSE TO LOP 9/14/06 NOTICE OF VIOLATION (9/29/06)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5139025628/T0608100575.PDF

Document Type: Site Documents **Size :**
Document Date: 11/6/2006 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP LETTER RETURNING DRILLING PERMIT APPLICATION AND SUBMITTED FEES FOR PROPOSED OFFSITE SUBSURFACE VAPOR SAMPLING WELLS BASED ON CONTENTS OF LOP LETTER DATED 11/2/06.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6041086

Document Type: Monitoring Reports **Size :** 4,770 KB

Document Date: 6/13/2006 **Submitted By:** ANTEA (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1Q06 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9441862344/T0608100575.PDF

Document Type: Site Documents **Size :** 1,125 KB
Document Date: 2/14/2006 **Submitted By:** ANTEA (CONTRACTOR)
Type: CORRESPONDENCE - DIRECTIVE RELATED **Submitted:**
Title: WORK STATUS AND EXTENSION/WORK MODIFICATION REQUEST (2/14/06)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5991605460/T0608100575.PDF

Document Type: Site Documents **Size :** 4,098 KB
Document Date: 12/19/2005 **Submitted By:** ANTEA (CONTRACTOR)
Type: WORKPLANS - INVESTIGATION WP **Submitted:**
Title: WORKPLAN FOR CANAL INVESTIGATION (12/16/05)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5758420646/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 12,185 KB
Document Date: 12/13/2005 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUAL **Submitted:**
Title: 3Q05 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1125348746/T0608100575.PDF

Document Type: Site Documents **Size :** 762 KB
Document Date: 9/1/2005 **Submitted By:** STANTEC (CONTRACTOR)
Type: WORKPLANS - INVESTIGATION WP **Submitted:**
Title: WORKPLAN FOR INVESTIGATION AND WELL DESTRUCTION (5/31/05)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9769666373/T0608100575.PDF

Document Type: Site Documents **Size :** 497 KB
Document Date: 9/1/2005 **Submitted By:** STANTEC (CONTRACTOR)
Type: REPORTS - OTHER **Submitted:**
Title: REMEDIAL SCREENING ANALYSIS (5/11/05)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1604450821/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 2,602 KB
Document Date: 6/24/2005 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUAL **Submitted:**
Title: 1Q05 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5148267447/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 4,370 KB
Document Date: 10/27/2004 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 2004-10-27_3Q04-GWM_TRC
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2376187264/T0608100575.PDF

Document Type: Site Documents **Size :** 9,771 KB
Document Date: 6/16/2004 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: CONCEPTUAL SITE MODEL **Submitted:**
Title: 2004-06-16_SCM_SECOR
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8109183192/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 3,140 KB
Document Date: 4/27/2004 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 2004-04-27_1Q04-GWM_TRC
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7290097177/T0608100575.PDF

Document Type: Site Documents **Size :**
Document Date: 3/31/2004 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP COMMENTS ON THE UNSOLICITED 3/29/04 ADDENDUM TO PREVIOUSLY APPROVED 3/10/04 WORKPLAN AND SUBMITTED DRILLING PERMIT APPLICATIONS. MOVING PROPOSED WELL OFF WORLD JOURNAL PARCEL AND ONTO GUITTARD PARCEL. REFER TO SCM MODEL DUE 6/16/04 FOR

COMPLIANCE DELIVERABLE.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100575&enforcement_id=6041038

Document Type: Site Documents ***Size :*** 826 KB
Document Date: 7/21/2003 ***Submitted By:*** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: INTERIM REMEDIAL ACTION REPORT ***Submitted:***
Title: 2003-07-21_INTERIM CAP_GETTLER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4162179052/T0608100575.PDF

Document Type: Monitoring Reports ***Size :*** 1,107 KB
Document Date: 4/28/2003 ***Submitted By:*** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - ANNUALLY ***Submitted:***
Title: 2003-04-28_ANNUAL-GWM_GETTLER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3185219824/T0608100575.PDF

Document Type: Site Documents ***Size :*** 1,268 KB
Document Date: 3/27/2003 ***Submitted By:*** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: SENSITIVE RECEPTOR SURVEY REPORT ***Submitted:***
Title: 2003-03-27_SENSITIVE RECEPTOR SURVEY_GETTLER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8160214364/T0608100575.PDF

Document Type: Monitoring Reports ***Size :*** 1,098 KB
Document Date: 5/10/2002 ***Submitted By:*** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - ANNUALLY ***Submitted:***
Title: 2002-05-10_ANNUAL-GWM_GETTLER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3760189950/T0608100575.PDF

Document Type: Site Documents ***Size :*** 1,064 KB
Document Date: 2/19/2002 ***Submitted By:*** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: SITE INVESTIGATION ***Submitted:***
Title: 2002-02-19_SUBSURFACE INVESTIGATION_GETTLER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4220629215/T0608100575.PDF

Document Type: Site Documents ***Size :*** 28 KB
Document Date: 9/30/2001 ***Submitted By:*** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS ***Submitted:***
Title: 2001-09-30_3Q01-QSR
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6575155436/T0608100575.PDF

Document Type: Site Documents ***Size :*** 280 KB
Document Date: 9/24/2001 ***Submitted By:*** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: SITE INVESTIGATION WORKPLAN ***Submitted:***
Title: 2001-09-24_WP-SUBSURFACE INVESTIGATION REVISED_GETTLER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9225134491/T0608100575.PDF

Document Type: Site Documents ***Size :*** 282 KB
Document Date: 9/7/2001 ***Submitted By:*** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: SITE INVESTIGATION WORKPLAN ***Submitted:***
Title: 2001-09-07_WP-SUBSURFACE INVESTIGATION REVISED_GETTLER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4869423925/T0608100575.PDF

Document Type: Site Documents ***Size :*** 317 KB
Document Date: 8/28/2001 ***Submitted By:*** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: SITE INVESTIGATION WORKPLAN ***Submitted:***
Title: 2001-08-28_WP-SUBSURFACE INVESTIGATION-WELL ABANDONMENT_GETTLER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6990850627/T0608100575.PDF

Document Type: Site Documents ***Size :*** 24 KB
Document Date: 6/30/2001 ***Submitted By:*** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS ***Submitted:***

Title: 2001-06-30_2Q01-QSR
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7535891056/T0608100575.PDF

Document Type: Site Documents
Size : 24 KB
Document Date: 3/31/2001
Submitted By: ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS
Submitted:
Title: 2001-03-31_1Q01-QSR
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7952353358/T0608100575.PDF

Document Type: Site Documents
Size : 1,984 KB
Document Date: 1/25/2001
Submitted By: ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: SITE ASSESSMENT REPORT
Submitted:
Title: 2001-01-25_PHASE II SITE CHARACTERIZATION_WEISS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5781317591/T0608100575.PDF

Document Type: Site Documents
Size : 51 KB
Document Date: 1/1/2001
Submitted By: ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: PRELIMINARY SITE ASSESSMENT REPORT
Submitted:
Title: 2001-01-01_PRELIMINARY ALTERNATIVE METHODS FOR GROUNDWATER REMEDIATION_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1038458049/T0608100575.PDF

Document Type: Site Documents
Size : 25 KB
Document Date: 12/31/2000
Submitted By: ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS
Submitted:
Title: 2000-12-31_4Q00-QSR
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7490872323/T0608100575.PDF

Document Type: Site Documents
Size : 25 KB
Document Date: 9/30/2000
Submitted By: ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS
Submitted:
Title: 2000-09-30_3Q00-QSR
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5530005335/T0608100575.PDF

Document Type: Site Documents
Size : 23 KB
Document Date: 6/30/2000
Submitted By: ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS
Submitted:
Title: 2000-06-30_2Q00-QSR
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2083126962/T0608100575.PDF

Document Type: Monitoring Reports
Size : 1,859 KB
Document Date: 4/17/2000
Submitted By: ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - ANNUALLY
Submitted:
Title: 2000-04-17_2000 ANNUAL GWM_GETTLER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5377899408/T0608100575.PDF

Document Type: Site Documents
Size : 24 KB
Document Date: 3/31/2000
Submitted By: ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS
Submitted:
Title: 2000-03-31_1Q00-QSR
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1361456096/T0608100575.PDF

Document Type: Site Documents
Size : 23 KB
Document Date: 12/31/1999
Submitted By: ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS
Submitted:
Title: 1999-12-31_4Q99-QSR
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2111828744/T0608100575.PDF

Document Type: Monitoring Reports
Size : 998 KB
Document Date: 12/7/1999
Submitted By: ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - ANNUALLY
Submitted:

Title: 1999-12-07_1999 ANNUAL GWM_GETTLER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1671990454/T0608100575.PDF

Document Type: Site Documents **Size :** 47 KB
Document Date: 9/30/1999 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS **Submitted:**
Title: 1999-09-30_3Q99-QSR
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4435326635/T0608100575.PDF

Document Type: Site Documents **Size :** 46 KB
Document Date: 6/30/1999 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS **Submitted:**
Title: 1999-06-30_2Q99-QSR
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3183050990/T0608100575.PDF

Document Type: Site Documents **Size :** 545 KB
Document Date: 5/21/1999 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: FEASIBILITY STUDY REPORT **Submitted:**
Title: 1999-05-21_FEASIBILITY STUDY
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9093008875/T0608100575.PDF

Document Type: Site Documents **Size :** 51 KB
Document Date: 3/31/1999 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS **Submitted:**
Title: 1999-03-31_1Q99-QSR
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1355804681/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 1,072 KB
Document Date: 1/27/1999 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Title: 1999-01-27_1998 ANNUAL GWM_GETTLER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4825781702/T0608100575.PDF

Document Type: Site Documents **Size :** 48 KB
Document Date: 12/31/1998 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS **Submitted:**
Title: 1998-12-31_4Q98-QSR
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7536172688/T0608100575.PDF

Document Type: Site Documents **Size :** 50 KB
Document Date: 9/30/1998 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS **Submitted:**
Title: 1998-09-30_3Q98-QSR
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6300970911/T0608100575.PDF

Document Type: Site Documents **Size :** 151 KB
Document Date: 8/31/1998 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS **Submitted:**
Title: 1998-08-31_REMEDIAL ACTIVITY STATUS_GETTLER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2441118717/T0608100575.PDF

Document Type: Site Documents **Size :** 50 KB
Document Date: 3/31/1998 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS **Submitted:**
Title: 1998-03-31_1Q98-QSR
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6671181738/T0608100575.PDF

Document Type: Site Documents **Size :** 304 KB
Document Date: 12/5/1997 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: FEASIBILITY STUDY REPORT **Submitted:**

Title: 1997-12-05_FEASIBILITY STUDY_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1280987679/T0608100575.PDF

Document Type: Site Documents **Size :** 661 KB
Document Date: 12/2/1997 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS **Submitted:**
Title: 1997-12-02_ANNUAL DATA REPORT_MPDS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2501212000/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 650 KB
Document Date: 12/2/1996 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Title: 1996-12-02_ANNUAL DATA RPT_MPDS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8315191864/T0608100575.PDF

Document Type: Site Documents **Size :** 101 KB
Document Date: 6/20/1996 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: SITE INVESTIGATION **Submitted:**
Title: 1996-06-20_WELL SURVEY RESULTS_PEG
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4291909992/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 761 KB
Document Date: 11/20/1995 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1995-11-20_4Q95-GWM_MPDS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4294510126/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 547 KB
Document Date: 8/17/1995 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1995-08-17_3Q95-GWM_MPDS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7676459193/T0608100575.PDF

Document Type: Site Documents **Size :** 881 KB
Document Date: 6/21/1995 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: PILOT STUDY/ TREATABILITY REPORT **Submitted:**
Title: 1995-06-21_PILOT VAPOR EXTRACTION TEST RPT_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3584875941/T0608100575.PDF

Document Type: Site Documents **Size :** 258 KB
Document Date: 6/14/1995 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: SITE INVESTIGATION **Submitted:**
Title: 1995-06-14_AIR SAMPLING RESULTS_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2671088099/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 565 KB
Document Date: 5/16/1995 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1995-05-16_2Q95-GWM_MPDS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9704535365/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 487 KB
Document Date: 2/16/1995 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1995-02-16_1Q95-GWM_MPDS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5038430988/T0608100575.PDF

Document Type: Site Documents **Size :** 1,297 KB
Document Date: 1/9/1995 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: SITE INVESTIGATION **Submitted:**

Title: 1995-01-09_CONTINUING GW INVEST_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7897667944/T0608100575.PDF

Document Type: Site Documents **Size :** 262 KB
Document Date: 12/20/1994 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: SITE INVESTIGATION **Submitted:**
Title: 1994-12-20_DRILL CUTTING DISPOSAL_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5129745721/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 1,058 KB
Document Date: 11/18/1994 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1994-11-18_4Q04-GWM_MPDS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8635373055/T0608100575.PDF

Document Type: Site Documents **Size :** 455 KB
Document Date: 8/22/1994 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: PILOT STUDY/ TREATABILITY REPORT **Submitted:**
Title: 1994-08-22_PUMPABILITY PROJECT RPT_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3418496906/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 518 KB
Document Date: 8/4/1994 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1994-08-04_3Q04-GWM_MPDS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8517105340/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 786 KB
Document Date: 5/12/1994 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1994-05-12_2Q04-GWM_MPDS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7995200037/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 903 KB
Document Date: 2/8/1994 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1994-02-08_1Q94-GWM_MPDS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8347861170/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 959 KB
Document Date: 11/10/1993 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1993-11-10_4Q93-GWM_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8225638270/T0608100575.PDF

Document Type: Site Documents **Size :** 1,161 KB
Document Date: 7/29/1993 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: PILOT STUDY/ TREATABILITY REPORT **Submitted:**
Title: 1993-07-29_AQUIFER PUMPING TEST RPT_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5537530004/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 861 KB
Document Date: 7/29/1993 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1993-07-29_3Q93-GWM_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5153969824/T0608100575.PDF

Document Type: Site Documents **Size :** 1,395 KB
Document Date: 2/10/1993 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: SITE INVESTIGATION **Submitted:**

Title: 1993-02-10_CONTINUING SUBSURFACE INVESTIGATION_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2893762409/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 955 KB
Document Date: 11/3/1992 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1992-11-03_4Q92-GWM_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3052377521/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 844 KB
Document Date: 8/17/1992 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1992-08-17_3Q92-GWM_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4104803919/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 1,053 KB
Document Date: 11/25/1991 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1991-11-25_4Q91-GWM_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6780798792/T0608100575.PDF

Document Type: Site Documents **Size :** 1,645 KB
Document Date: 9/30/1991 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: SITE INVESTIGATION **Submitted:**
Title: 1991-09-30_CONTINUING SUBSURFACE INVESTIGATION_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6069488763/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 1,015 KB
Document Date: 5/20/1991 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1991-05-20_1Q91-GWM_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5165341317/T0608100575.PDF

Document Type: Site Documents **Size :** 1,443 KB
Document Date: 10/8/1990 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: PRELIMINARY SITE ASSESSMENT REPORT **Submitted:**
Title: 1990-10-08_PRELIMINARY GW INVESTIGATION_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7858420252/T0608100575.PDF

Document Type: Monitoring Reports **Size :** 864 KB
Document Date: 2/11/1990 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1991-02-11_4Q90-GWM_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5586392343/T0608100575.PDF

Document Type: Site Documents **Size :** 1,538 KB
Document Date: 9/27/1989 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: SITE INVESTIGATION **Submitted:**
Title: 1989-09-27_GW INVESTIGATION_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5108130335/T0608100575.PDF

Document Type: Site Documents **Size :** 143 KB
Document Date: 5/9/1989 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Title: 1989-05-09_STOCKPILED SOIL SAMPLING_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8622986078/T0608100575.PDF

Document Type: Site Documents **Size :** 225 KB
Document Date: 5/3/1989 **Submitted By:** ANTEA GROUP REIMBURSEMENT (CONTRACTOR)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Title: 1989-05-03_SOIL SAMPLING_KEI
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9069771826/T0608100575.PDF

56	4 of 10	WNW	0.19 / 990.22	24.57 / 3	UNION OIL SS 3798 1876 EL CAMINO REAL BURLINGAME CA 94011	HHSS

County:
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002c3eb.pdf

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56	5 of 10	WNW	0.19 / 990.22	24.57 / 3	BURLINGAME 76 #253798 1876 EL CAMINO REAL BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0017999

Detail(s)

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Inactive, non-billable
Program Element: GENERATES <27 GAL/YEAR

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Inactive, non-billable
Program Element: STORES MV FUELS OR WASTE ONLY

Program Category: UNDERGROUND TANK PROGRAM
Billing Status: Inactive, non-billable
Program Element: UNDERGROUND TANK - GENERAL

56	6 of 10	WNW	0.19 / 990.22	24.57 / 3	BURLINGAME 76 1876 EL CAMINO REAL BURLINGAME CA 94011	CERS TANK

Site ID: 100646 **Latitude:** 37.596825
Longitude: -122.385020

Regulated Programs

EI ID: 10070869
EI Description: Chemical Storage Facilities

EI ID: 10070869
EI Description: Underground Storage Tank

Violations

Violation Date: 06/25/2018 **Violation Source:** CERS
Violation Program: UST **Violation Division:** San Mateo County Environmental Health
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Notes:

Returned to compliance on 12/18/2018. OBSERVED: 91 product spill bucket was observed to be nonfunctional and failed test. REQUIRED ACTION: Repair the spill bucket and schedule an appointment to verify passing test.

Violation Description:

Failure to comply with one or more of the following:

Failure to install or maintain a liquid-tight spill bucket.

Have a minimum capacity of five gallons.

Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container.

Be resistant to galvanic corrosion.

Violations

Violation Date: 06/27/2019 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Notes:

Returned to compliance on 01/28/2020. OBSERVED: Monitoring Plans for Tank 1 and 2 indicate that 0.1 gallon per hour piping testing is done annually. The Veeder-Root panel is programmed for 0.2 gallon per hour monthly tests. REQUIRED ACTION: Revise the monitoring plans to reflect the monthly testing.

Violation Description:

Failure to have an approved UST Monitoring Plan.

Violations

Violation Date: 06/27/2019 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.7 25290.2(d) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.2(d)
Violation Notes:

Returned to compliance on 06/27/2019. OBSERVED: Water was observed in the regular unleaded STP sump. REQUIRED ACTION: Corrected on-site.

Violation Description:

Failure of a UST system installed on or after July 1, 2003 and before July 1, 2004 to be designed and constructed with a monitoring system capable of detecting the entry of the hazardous substance stored in the primary containment into the secondary containment and capable of detecting water intrusion into the secondary containment.

Violations

Violation Date: 06/27/2019 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Notes:

Returned to compliance on 01/28/2020. OBSERVED: Compliance issues listed on monthly DO reports, but no owner/operator description of follow-up actions or owner/operator acknowledgment of compliance issues (signature). REQUIRED ACTION: Demonstrate that all of the forms are filled out completely. For any compliance issues, you must identify a remedy and the owner/operator must sign in acknowledgment of the issues that need attention.

Violation Description:

For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements:
Be performed by an ICC certified DO.
Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy.
Inspect for the presence of liquid/debris in spill containers.
Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly.
Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit.
Check that all testing and maintenance has been completed and documented.
Verify that all facility employees have been trained in accordance with 23 CCR 2715(c).

For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.

Violations

Violation Date: 08/01/2014 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Notes:

Returned to compliance on 02/09/2016. water is seeping into the electrical conduit. Reseal and retest.

Violation Description:

Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.

Violations

Violation Date: 06/27/2019 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2631(c),2662(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2631(c),2662(d)
Violation Notes:

Returned to compliance on 01/21/2020. OBSERVED: Premium unleaded fill pipe did not have the striker plate assembly on the end of the drop tube like the regular unleaded did. Also, the regular unleaded striker plate is missing one of the three adapter arms. REQUIRED ACTION: Demonstrate that the premium unleaded drop tube is equipped with a striker plate assembly. Recommend repair or replacing the assembly in the regular unleaded drop tube too.

Violation Description:

Failure to have either a striker plate installed or to have a drop tube-mounted bottom protector.

Violations

Violation Date: 07/18/2013 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Notes:

Returned to compliance on 07/22/2013.

Violation Description:

Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected.

Violations

Violation Date: 06/25/2018 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Notes:

Returned to compliance on 06/27/2019. OBSERVED: A couple of employees training expired in May (Justin Lavente and Glen Sujede). The waste oil annular sensor was in alarm on April 7, 2018. However, DO Report simply identifies that the sensor was in alarm and that it was investigated. No description of the nature of the alarm or corrective actions provided. REQUIRED ACTION: Demonstrate that the employee list is accurate and that all employee training is up-to-date. Provide clarification of the waste oil alarm on April 7, 2018. Ensure that future DO inspection reports are legible and detailed.

Violation Description:

Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements:

Be performed by an ICC certified DO.

Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers.

Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented.

Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2).

Violations

Violation Date: 06/27/2019 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Notes:

Returned to compliance on 01/28/2020. OBSERVED: Tank pages or Tanks 1 and 2 indicate that ball floats are used for overfill prevention, not flapper valves (fill tube shut off). REQUIRED ACTION: Revise the tank pages to reflect flapper valves.

Violation Description:

Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.

Violations

Violation Date: 11/22/2016 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Notes:

Returned to compliance on 06/25/2018. the monitoring report in CERS indicates automatic tank gauging is conducted; however, there are not clear records on the monthly DO printouts. Please clarify how the UST is monitored and provide documentation of that method. If monthly or weekly in tank diagnostics are being performed, then the monthly printouts need to reflect this.

Violation Description:

Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements:
Be performed by an ICC certified DO.
Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers.
Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented.
Verify that all facility employees have been properly trained.

Violations

Violation Date: 06/14/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Notes:

Returned to compliance on 01/28/2018. OBSERVED: UST tank pages indicate overfill prevention is a ball float. Flapper valve verified on the USTs. It is unclear if ball floats are also installed. Tank page indicates steel primary piping with fiberglass secondary piping. UDCs have stand-alone sensors, not floats and chains. Waste oil UST tank page indicates that the tank is manufactured by Modern Welding and is a double- walled fiberglass tank. Modern welding makes steel tanks clad with fiberglass. REQUIRED ACTION: Review the tank system components and submit accurate Tank Page forms to the CERS database.

Violation Description:

Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.

Violations

Violation Date: 06/14/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Mateo County Environmental Health
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Notes:

Returned to compliance on 01/28/2018. OBSERVED: Monitoring plan indicates 0.1 GPH annual tank testing is performed; however, 0.2 GPH monthly testing is performed. No Line Leak Detector (LLD), electronic or mechanical, is identified. THe facility has mechanical line leak detectors. Leak alarm and failure/disconnect positive shutdown not identified for fail safe conditions. REQUIRED ACTION: Revise the monitoring plan to reflect the 0.2 GPH monthly testiing or reprogram the monitoring panel to conduct 0.1 GPH annual testing. Identify that the facility has mechanical LLDs, and review the rest of the plan to correct any other errors that may be present.

Violation Description:

Failure to have a UST Response Plan available on site.

Enforcements

Enf Action Date: 07/18/2013 ***Enf Action Program:*** UST
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Mateo County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 08/01/2014 ***Enf Action Program:*** UST
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Mateo County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 02/07/2020
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 11/22/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 07/18/2013
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 04/10/2017

Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 11/08/2019
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

reviewing compliance correspondence.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/20/2020
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 06/05/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 11/22/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

This facility does not appear to store or generate hazardous waste on-site. Unless it is determined that hazardous waste is generated and kept on-site (e.g., waste nozzles and fuel hoses, fuel filters, UST test water, etc.), it will be removed from the program at this time. Should this facility be a waste generator of any amount of waste, for any period of time, you must notify this office, re-activate your EPA ID number, and follow hazardous waste laws.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/05/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 07/18/2013
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency

Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 02/09/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 06/25/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

James Lin, james.lin@baosinc.com 12,000-gallon regular unleaded single-walled fiberglass UST installed in 1983 12,000-gallon premium unleaded single-walled fiberglass UST installed in 1983 520-gallon double-walled steel waste oil UST installed in 1989 55- gallon drum of used oil; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/18/2013
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 06/25/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

James Lin, james.lin@baosinc.com 12,000-gallon regular unleaded single-walled fiberglass UST installed in 1983 12,000-gallon premium unleaded single-walled fiberglass UST installed in 1983 520-gallon double-walled steel waste oil UST installed in 1989 Double-walled fiberglass piping installed in 1994. Single- wall vapor recovery. Monthly 0.2 gph tighness testing Direct bury fill pipe, phase I vapor recover, and mag probe. Please note: ALL SINGLE-WALLED USTs MUST BE REMOVED BY 2025. See information at: http://www.swrcb.ca.gov/ust/single_walled/.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/22/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

12,000-gallon regular unleaded single-walled fiberglass UST installed in 1983 12,000-gallon premium unleaded single-walled fiberglass UST installed in 1983 520-gallon double-walled steel waste oil UST installed in 1989 Double-walled fiberglass piping installed in 1994. Please note: ALL SINGLE-WALLED USTs MUST BE REMOVED BY 2025. See information at: http://www.swrcb.ca.gov/ust/single_walled/.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/14/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Inspection conducted by Erin Thomas (observed operation of monitoring equipment) and Patrick Ledesma (SB 989 and document review later in the day). USTs ARE SINGLE-WALLED. ALL SINGLE-WALL USTs ARE REQUIRED TO BE REMOVED BY DECEMBER31, 2025. PLAN ACCORDINGLY.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/27/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

James Lin, james.lin@baosinc.com 12,000-gallon regular unleaded single-walled fiberglass UST installed in 1983 12,000-gallon premium unleaded single-walled fiberglass UST installed in 1983 520-gallon double-walled steel waste oil UST installed in 1989 Double-walled fiberglass piping installed in 1994. Single- wall vapor recovery. Monthly 0.2 gph tightness testing Direct bury fill pipe, phase I vapor recovery, and mag probe. Please note: ALL SINGLE-WALLED USTs MUST BE REMOVED BY 2025. See information at: http://www.swrcb.ca.gov/ust/single_walled/.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/15/2018
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 12/08/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 08/01/2014
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 06/18/2020
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

James Lin, james.lin@baosinc.com ANNUAL MONITORING CERTIFICATION IS DUE EVERY JUNE 12,000-gallon regular unleaded single-walled fiberglass UST installed in 1983 12,000-gallon premium unleaded single-walled fiberglass UST installed in 1983 520-gallon double-walled steel waste oil UST installed in 1989 Double-walled fiberglass piping installed in 1994. Single- wall vapor recovery. Monthly 0.2 gph tightness testing Direct bury fill pipe, phase I vapor recovery, and mag probe. Please note: ALL SINGLE-WALLED USTs MUST BE REMOVED BY 2025. See information at: http: //www.swrcb.ca.gov/ust/single_walled/. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Legal Owner
Entity Name: Bay Area Oil Supply, Inc.
Entity Title:
Address: 1500 Fashion Island Blvd # 104
City: San Mateo
State: CA
Country: United States
Zip Code: 94404
Phone: (650) 259-9506

Affil Type Desc: UST Tank Operator
Entity Name: Bay Area Oil Supply, Inc.
Entity Title:
Address: 1500 Fashion Island Blvd # 104
City: San Mateo
State: CA
Country: United States
Zip Code: 94404
Phone: (650) 259-9506

Affil Type Desc: UST Property Owner Name
Entity Name: Bay Area Oil Supply, Inc.
Entity Title:
Address: 1500 Fashion Island Blvd # 104
City: San Mateo
State: CA
Country: United States
Zip Code: 94404
Phone: (650) 259-9506

Affil Type Desc: Operator
Entity Name: Bay Area Oil Supply, Inc.
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (650) 259-9506

Affil Type Desc: UST Tank Owner
Entity Name: Bay Area Oil Supply, Inc.
Entity Title:
Address: 1500 Fashion Island Blvd # 104
City: San Mateo
State: CA
Country: United States
Zip Code: 94404
Phone: (650) 259-9506

Affil Type Desc: CUPA District
Entity Name: San Mateo County Environmental Health
Entity Title:
Address: 2000 Alameda de las Pulgas, Suite 100
City: San Mateo
State: CA
Country:
Zip Code: 94403
Phone: (650) 372-6200

Affil Type Desc: Environmental Contact
Entity Name: James Lin
Entity Title:
Address: 1500 Fashion Island Blvd # 104
City: San Mateo
State: CA
Country:
Zip Code: 94404
Phone:

Affil Type Desc: Property Owner
Entity Name: Bay Area Oil Supply, Inc.
Entity Title:
Address: 1500 Fashion Island Blvd # 104
City: San Mateo
State: CA
Country: United States
Zip Code: 94404
Phone: (650) 259-9506

Affil Type Desc: Document Preparer
Entity Name: Stantec Consulting Services Inc.
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Identification Signer
Entity Name: JAMES LIN
Entity Title: OWNER
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: UST Permit Applicant
Entity Name: James Lin
Entity Title: Owner
Address:
City:
State:
Country:
Zip Code:
Phone: (650) 259-9506

Affil Type Desc: Parent Corporation
Entity Name: BURLINGAME 76
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 1500 Fashion Island Blvd # 104
City: San Mateo
State: CA
Country:
Zip Code: 94404

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Phone:						

56	7 of 10	WNW	0.19 / 990.22	24.57 / 3	UNION OIL SS# 3798 1876 EL CAMINO REAL BURLINGAME CA	HIST TANK

Owner Name: UNION OIL CO.
Owner Street: 1 CALIFORNIA ST. SUITE 2700
Owner City: SAN FRANCISCO
Owner State: CA
Owner Zip: 94111
No of Containers: 4
County: SAN MATEO
Facility State: CA
Facility Zip: 94011

56	8 of 10	WNW	0.19 / 990.22	24.57 / 3	BURLINGAME 76 1876 EL CAMINO REAL BURLINGAME CA 94011	CUPA SANMATEO

Facility ID: FA0040156

Detail(s)

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Inactive, non-billable
Program Element: GENERATES & RECYCLES WASTE OIL/SOLVENT

Program Category: UNDERGROUND TANK PROGRAM
Billing Status: Active, billable
Program Element: UNDERGROUND TANK - GENERAL

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Inactive, non-billable
Program Element: GENERATES <27 GAL/YEAR

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Active, billable
Program Element: STORES MV FUELS OR WASTE ONLY

56	9 of 10	WNW	0.19 / 990.22	24.57 / 3	BURLINGAME 76 1876 EL CAMINO REAL BURLINGAME CA 94010	EMISSIONS

2017 Criteria Data

Facility ID: 111992
Facility SIC Code: 5411
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .25791
ROGT: .25791
COT:
NOXT:
SOXT:
PMT:
PM10T:

2017 Toxic Data

Facility ID: 111992
Facility SIC Code: 5411
CO: 41
Air Basin: SF
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2018 Criteria Data

Facility ID: 111992
Facility SIC Code: 5541
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .25791
ROGT: .25791
COT:
NOXT:
SOXT:
PMT:
PM10T:

2018 Toxic Data

Facility ID: 111992
Facility SIC Code: 5541
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

56	10 of 10	WNW	0.19 / 990.22	24.57 / 3	UNION OIL SERVICE STATION 3798 1876 EL CAMINO REAL BURLINGAME CA	UST SWEEPS

C C: A41-000-660048
BOE:
Comp: 660048
Status: ACTIVE
No of Tanks: 3
Jurisdict: SAN MATEO COUNTY
Agency: ENVIRONMENTAL HEALTH
Phone:
D Filename: SITE14A
Page No: 102
County: SAN MATEO
State : CA
Zip: 94010
Latitude: 0
Longitude: 0
Georesult: N

Tank Details

Tank ID: 000002
O Tank ID: 3798-RU-1
SWRCB No: 41-000-660048-000002
Removed:
Installed:
A Date: 03-24-94
Capac: 12000
Tank Use: M.V. FUEL
S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:
Content: REG UNLEADED
ONA:
D File Name: TANK14A

Tank Details

Tank ID: 000001
O Tank ID: 3798-SU-1
SWRCB No: 41-000-660048-000001
Removed:
Installed:
A Date: 03-24-94
Capac: 12000
S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:
Content: REG UNLEADED
ONA:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank Use: M.V. FUEL
D File Name: TANK14A

Tank Details

Tank ID: 000003
O Tank ID: 3798-WO-1
SWRCB No: 41-000-660048-000003
Removed:
Installed:
A Date: 03-24-94
Capac: 520
Tank Use: OIL
S Contain:
Stg: W
Storage :
Storag Type: WASTE
P Contain:
Content: WASTE OIL
ONA:
D File Name: TANK14A

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57 | **1 of 1** | **ENE** | **0.20 / 1,063.51** | **9.78 / -12** | **VECTOR LABORATORIES INC**
30 INGOLD
BURLINGAME CA 94010 | **CUPA SANMATEO**

Facility ID: FA0009840

Detail(s)

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Active, billable
Program Element: GENERATES & RECYCLES WASTE OIL/SOLVENT

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Active, billable
Program Element: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

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58 | **1 of 1** | **NE** | **0.21 / 1,101.54** | **9.15 / -12** | **SEES CANDIES, INC**
1760 ROLLINS
BURLINGAME CA 94010 | **CUPA SANMATEO**

Facility ID: FA0027015

Detail(s)

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Active, billable
Program Element: GENERATES & RECYCLES WASTE OIL/SOLVENT

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Active, billable
Program Element: STORES MV FUELS OR WASTE ONLY

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59 | **1 of 3** | **ENE** | **0.21 / 1,102.96** | **9.56 / -12** | **SCHULZE MANUFACTURING**
50 INGOLD
BURLINGAME CA 94010 | **CLEANUP SITES**

Global ID: T0608145778
Status: COMPLETED - CASE CLOSED
Status Date: 12/5/2003
Longitude: -122.378392
Site Facility Type: CLEANUP PROGRAM SITE
County: SAN MATEO
Latitude: 37.596264
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No:
Local Case No: 669095
Begin Date: 5/1/2002
Stop Method: Other Means
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
Potential COC: * Solvents
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered: Other Means
How Discovered Description:
Stop Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:
CUF Case: NO
Case Worker: BG
File Location: Local Agency Warehouse

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 2004-03-29 00:00:00
Action: Closure/No Further Action Letter

Action Type: ENFORCEMENT
Date : 2003-12-05 00:00:00
Action: Closure/No Further Action Letter - #2

Action Type: ENFORCEMENT
Date : 2002-06-10 00:00:00
Action: * Historical Enforcement - #1

Action Type: Other
Date : 2002-05-01 00:00:00
Action: Leak Discovery

Action Type: Other
Date : 2002-05-01 00:00:00
Action: Leak Reported

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 2003-12-05 00:00:00

Status: Open - Case Begin Date
Status Date: 2002-05-01 00:00:00

Status: Open - Site Assessment
Status Date: 2002-05-01 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Phone No:
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Email:
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
Phone No: 6502724590
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
City: SAN MATEO

Email: bgwinn@smcgov.org

Cleanup Program Sites from GeoTracker Search - Regulatory Profile (as of Feb 27, 2021)

Project Status:
CUF Claim:
CUF Priority Assign:
CUF Amount Paid:
Facility Type:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608145778
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 12/5/2003
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608145778&tabname=regulatoryhistory
Potential COC: SOLVENTS
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
GW Monitoring Freq:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 669095
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2)
CASEWORKER: Regional Water Board
WDR Place Type:
WDR File:
WDR Order:
File Location: LOCAL AGENCY WAREHOUSE
Composting Method:

Site History:

No site history available

Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Enforcement - Other
Action Date:
Received Issue Date:
Action: Unknown
Doc Link:
Title Description Comments:

Action Type: Other Regulatory Actions
Action Date: 3/29/2004
Received Issue Date: 3/29/2004
Action: Closure/No Further Action Letter
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608145778&enforcement_id=6294177&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Other Regulatory Actions
Action Date: 12/5/2003
Received Issue Date: 12/5/2003
Action: Closure/No Further Action Letter - #2
Doc Link:
Title Description Comments:

Case Closure Letter

Action Type: Enforcement/Orders
Action Date: 6/10/2002
Received Issue Date: 6/10/2002
Action: * Historical Enforcement - #1
Doc Link:
Title Description Comments:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action Type: Leak Action
Action Date: 5/1/2002
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 5/1/2002
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Sites from GeoTracker Search - Documents (as of Feb 27, 2021)

Document Type: Site Documents
Document Date: 3/29/2004
Size :
Title: UNKNOWN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608145778&enforcement_id=6294177
Type: CLOSURE/NO FURTHER ACTION LETTER
Submitted:
Submitted By: JACOB MADDEN (REGULATOR)

Sites from GeoTracker Search - Cleanup Status History (as of Feb 27, 2021)

Status: Completed - Case Closed
Date : 12/5/2003

Status: Open - Site Assessment
Date : 5/1/2002

Status: Open - Case Begin Date
Date : 5/1/2002

59	2 of 3	ENE	0.21 / 1,102.96	9.56 / -12	Garratt-Callahan Company 50 INGOLD BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0029565

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL INSPECTION FEE

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Active, billable
Program Element: STORES HAZ MAT >32000GAL, 224000LB, 112000CF

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Active, billable
Program Element: GEN <1 TONS HAZ WASTE/YR

59	3 of 3	ENE	0.21 / 1,102.96	9.56 / -12	SCHULZE MANUFACTURING 50 INGOLD BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0007568

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Detail(s)

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Inactive, non-billable
Program Element: GENERATES & RECYCLES WASTE OIL/SOLVENT

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Inactive, non-billable
Program Element: STORES HAZ MAT <219GAL,1,999LB, 879CF

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

60	*1 of 4*	*NE*	*0.21 / 1,115.90*	*10.00 / -11*	***REGIONAL OCCUPATIONAL PROGRAM*** ***1800 ROLLINS*** ***BURLINGAME CA 94010***	***CUPA SANMATEO***

Facility ID: FA0010518

Detail(s)

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Inactive, non-billable
Program Element: GENERATES <27 GAL/YEAR

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Inactive, non-billable
Program Element: STORES HAZ MAT <219GAL,1,999LB, 879CF

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

60	*2 of 4*	*NE*	*0.21 / 1,115.90*	*10.00 / -11*	***SAN MATEO COUNTY OFFICE OF EDUCATION*** ***1800 ROLLINS ROAD*** ***BURLINGAME CA 94010***	***EMISSIONS***

2014 Criteria Data

Facility ID:	11020	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.154296561
CO:	41	***ROGT:***	
Air Basin:	SF	***COT:***	.002166666
District:	BA	***NOXT:***	.008680966
COID:	SM	***SOXT:***	.000035177
DISN:	BAY AREA AQMD	***PMT:***	.000185714
CHAPIS:		***PM10T:***	.000185714

2014 Toxic Data

Facility ID:	11020	***COID:***	SM
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

2015 Criteria Data

Facility ID:	11020	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.154296532
CO:	41	***ROGT:***	.154178914
Air Basin:	SF	***COT:***	.002166666
District:	BA	***NOXT:***	.008680966
COID:	SM	***SOXT:***	.000035177
DISN:	BAY AREA AQMD	***PMT:***	.000185714
CHAPIS:		***PM10T:***	.000185714

2015 Toxic Data

Facility ID:	11020	***COID:***	SM
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
60	*3 of 4*	*NE*	*0.21 / 1,115.90*	*10.00 / -11*	***SAN MATEO COUNTY OFFICE OF EDU*** ***1800 ROLLINS ROAD*** ***BURLINGAME CA 94010***	***EMISSIONS***

1997 Criteria Data

Facility ID:	11020	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.4
CO:	41	***ROGT:***	.32
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	SM	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1997 Toxic Data

Facility ID:	11020	***COID:***	SM
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1998 Criteria Data

Facility ID:	11020	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.9
CO:	41	***ROGT:***	.7704
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	SM	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	

CHAPIS: ***PM10T:***

1998 Toxic Data

Facility ID: 11020
Facility SIC Code: 7532
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

1999 Toxic Data

Facility ID: 11020
Facility SIC Code: 7532
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2000 Toxic Data

Facility ID: 11020
Facility SIC Code: 7532
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2001 Toxic Data

Facility ID: 11020
Facility SIC Code: 7532
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2002 Criteria Data

Facility ID: 11020
Facility SIC Code: 7532
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .535
ROGT: .4146276
COT: .003
NOXT: .011
SOXT: 0
PMT: 0
PM10T: 0

2002 Toxic Data

Facility ID: 11020
Facility SIC Code: 7532
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2003 Criteria Data

Facility ID: 11020
Facility SIC Code: 7532
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .874
ROGT: .65
COT: .003
NOXT: .011
SOXT: 0
PMT: 0
PM10T: 0

2003 Toxic Data

Facility ID: 11020
Facility SIC Code: 7532
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2004 Criteria Data

Facility ID: 11020
Facility SIC Code: 7532
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .874
ROGT: .6404716
COT: .003
NOXT: .011
SOXT: 0
PMT: 0
PM10T: 0

2004 Toxic Data

Facility ID: 11020
Facility SIC Code: 7532
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2005 Criteria Data

Facility ID: 11020
Facility SIC Code: 7532
CO: 41
Air Basin: SF
CERR Code:
TOGT: .197
ROGT: .1833738
COT: .002

District:	BA	**NOXT:**	.008
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2005 Toxic Data

Facility ID:	11020	**COID:**	SM
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	11020	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.482
CO:	41	**ROGT:**	.3673058
Air Basin:	SF	**COT:**	.002
District:	BA	**NOXT:**	.007
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2006 Toxic Data

Facility ID:	11020	**COID:**	SM
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	11020	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.487
CO:	41	**ROGT:**	.3831324
Air Basin:	SF	**COT:**	.002
District:	BA	**NOXT:**	.007
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2007 Toxic Data

Facility ID:	11020	**COID:**	SM
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2008 Criteria Data

Facility ID:	11020	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.323
CO:	41	***ROGT:***	.2486346
Air Basin:	SF	***COT:***	.002
District:	BA	***NOXT:***	.007
COID:	SM	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

2008 Toxic Data

Facility ID:	11020	***COID:***	SM
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	11020	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.236
CO:	41	***ROGT:***	.1802211
Air Basin:	SF	***COT:***	.003
District:	BA	***NOXT:***	.011
COID:	SM	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

2009 Toxic Data

Facility ID:	11020	***COID:***	SM
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	11020	***COID:***	SM
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2011 Criteria Data

Facility ID:	11020	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.158

CO:	41	**ROGT:**	.1232097
Air Basin:	SF	**COT:**	.002
District:	BA	**NOXT:**	.01
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2011 Toxic Data

Facility ID:	11020	**COID:**	SM
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2012 Criteria Data

Facility ID:	11020	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.158
CO:	41	**ROGT:**	.1232097
Air Basin:	SF	**COT:**	.002
District:	BA	**NOXT:**	.01
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2012 Toxic Data

Facility ID:	11020	**COID:**	SM
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Criteria Data

Facility ID:	11020	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.154
CO:	41	**ROGT:**	.1183336
Air Basin:	SF	**COT:**	.002
District:	BA	**NOXT:**	.009
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2013 Toxic Data

Facility ID:	11020	**COID:**	SM
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Non-Cancer Acute Haz Ind:						
60	4 of 4	NE	0.21 / 1,115.90	10.00 / -11	DESIGN TECH HIGH SCHOOL 1800 ROLLINS BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0058962

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

61	1 of 4	NW	0.22 / 1,139.82	17.80 / -4	CAMELLIA HEALTH CENTER 199 CALIFORNIA MILLBRAE CA 94030	CUPA SANMATEO

Facility ID: FA0053368

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

61	2 of 4	NW	0.22 / 1,139.82	17.80 / -4	CABRAL DDS, ANGELICA 199 CALIFORNIA MILLBRAE CA 94030	CUPA SANMATEO

Facility ID: FA0049751

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: TIER 1 SQG REGISTRATION

61	3 of 4	NW	0.22 / 1,139.82	17.80 / -4	CABRAL DDS, ANGELICA 199 CALIFORNIA MILLBRAE CA 94030	MED WST SANMATEO

Facility ID: FA0049751
Record ID: PR0068137

Details

Status: INACTIVE
Program Element: TIER 1 SQG REGISTRATION
Curr Insp: 10/18/2014
Strt No: 199
Strt Addr: CALIFORNIA

61	4 of 4	NW	0.22 / 1,139.82	17.80 / -4	CAMELLIA HEALTH CENTER 199 CALIFORNIA MILLBRAE CA 94030	MED WST SANMATEO

Facility ID: FA0053368
Record ID: PR0073779

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Details

Status:	INACTIVE
Program Element:	SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:	4/2/2015
Strt No:	199
Strt Addr:	CALIFORNIA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
62	1 of 1	NNE	0.22 / 1,154.85	10.92 / -10	FORTE PRESS CORPORATION 1835 ROLLINS ROAD BURLINGAME CA 94010	RCRA TSD

EPA Handler ID:	CAC003017766
Gen Status Universe:	No Report
Contact Name:	ROGER WEINER
Contact Address:	1835 ROLLINS ROAD , , BURLINGAME , CA, 94010-2204 ,
Contact Phone No and Ext:	650-692-3233
Contact Email:	ROGER@FORTEPRESS.COM
Contact Country:	
Land Type:	
County Name:	SAN MATEO
EPA Region:	09
Receive Date:	20190603
Location Latitude:	37.597896
Location Longitude:	-122.380587

Violation/Evaluation Summary

Note:	NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Smelting, Melting and Refining:	No
Underground Injection Control:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190603
Handler Name:	FORTE PRESS CORPORATION
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1835 ROLLINS ROAD

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Name:	ROGER WEINER	**Street 2:**	
Date Became Current:		**City:**	BURLINGAME
Date Ended Current:		**State:**	CA
Phone:	650-692-3233	**Country:**	
Source Type:	Implementer	**Zip Code:**	94010-2204
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1835 ROLLINS ROAD
Name:	FORTE PRESS CORPORATION	**Street 2:**	
Date Became Current:		**City:**	BURLINGAME
Date Ended Current:		**State:**	CA
Phone:	650-692-3233	**Country:**	
Source Type:	Implementer	**Zip Code:**	94010

63 | **1 of 1** | **WNW** | **0.22 / 1,162.79** | **29.98 / 9** | **ALBERTSON**
43 MURCHISON
MILLBRAE CA 94030 | **CUPA SANMATEO**

Facility ID: FA0027274

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Inactive, non-billable
Program Element: GENERATES <27 GAL/YEAR

64 | **1 of 1** | **WNW** | **0.22 / 1,166.09** | **30.29 / 9** | **Lucky #726**
45 Murchison
MILLBRAE CA 94030 | **CUPA SANMATEO**

Facility ID: FA0000984

Detail(s)

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Active, billable
Program Element: GEN <1 TONS HAZ WASTE/YR

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Active, billable
Program Element: STORES MV FUELS OR WASTE ONLY

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

65 | **1 of 1** | **NNE** | **0.22 / 1,184.02** | **10.65 / -11** | **DIJEAU POAGE CONSTRUCTION INC**
1832 ROLLINS RD
BURLINGAME CA 94010 | **RCRA TSD**

EPA Handler ID: CAL000446619
Gen Status Universe: No Report
Contact Name: JAMES MITCHELL
Contact Address: 1832 ROLLINS RD , , BURLINGAME , CA, 94010 ,
Contact Phone No and Ext: 650-273-1023

Contact Email: JMITCHELL@DIJEAUPOAGE.COM
Contact Country:
Land Type:
County Name: SAN MATEO
EPA Region: 09
Receive Date: 20190612
Location Latitude: 37.598204
Location Longitude: -122.380428

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20190612
Handler Name: DIJEAU POAGE CONSTRUCTION INC
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: JAMES MITCHELL
Date Became Current:
Date Ended Current:
Phone: 650-273-1023
Source Type: Implementer

Street No:
Street 1: 1832 ROLLINS RD
Street 2:
City: BURLINGAME
State: CA
Country:
Zip Code: 94010

Owner/Operator Ind: Current Owner
Type: Other
Name: ANDREW POAGE
Date Became Current:
Date Ended Current:
Phone: 650-273-1023
Source Type: Implementer

Street No:
Street 1: 106 ESOLANADE AVE APT 158
Street 2:
City: PACIFICA
State: CA
Country:
Zip Code: 94044

66	1 of 1	NNE	0.22 / 1,185.77	10.65 / -11	NEXT CENTURY POWER INC 1832 ROLLINS BURLINGAME CA 94010	CUPA SANMATEO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID: FA0025211

Detail(s)

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Inactive, non-billable
Program Element: GENERATES & RECYCLES WASTE OIL/SOLVENT

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Inactive, non-billable
Program Element: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
67	1 of 1	ENE	0.23 / 1,194.92	10.72 / -11	CITY OF BURLINGAME ROLLINS GENERATOR 1 1740 ROLLINS BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0054563

Detail(s)

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Active, billable
Program Element: STORES MV FUELS OR WASTE ONLY

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
68	1 of 6	WNW	0.23 / 1,198.48	30.99 / 10	ALBERTSONS #7143 45 MURCHISON DRIVE MILLBRAE CA 94030	EMISSIONS

2003 Criteria Data

Facility ID:	14408	**CERR Code:**	
Facility SIC Code:	5411	**TOGT:**	0
CO:	41	**ROGT:**	0
Air Basin:	SF	**COT:**	0
District:	BA	**NOXT:**	.001
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2003 Toxic Data

Facility ID:	14408	**COID:**	SM
Facility SIC Code:	5411	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2004 Criteria Data

Facility ID:	14408	**CERR Code:**	
Facility SIC Code:	5411	**TOGT:**	0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

CO:	41	**ROGT:**	0
Air Basin:	SF	**COT:**	0
District:	BA	**NOXT:**	.001
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2004 Toxic Data

Facility ID:	14408	**COID:**	SM
Facility SIC Code:	5411	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
68	2 of 6	WNW	0.23 / 1,198.48	30.99 / 10	LUCKY #726 45 MURCHISON DRIVE MILLBRAE CA 94030	EMISSIONS

2007 Criteria Data

Facility ID:	18315	**CERR Code:**	
Facility SIC Code:	5411	**TOGT:**	.014
CO:	41	**ROGT:**	.0012796
Air Basin:	SF	**COT:**	.004
District:	BA	**NOXT:**	.033
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2007 Toxic Data

Facility ID:	18315	**COID:**	SM
Facility SIC Code:	5411	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2008 Criteria Data

Facility ID:	18315	**CERR Code:**	
Facility SIC Code:	5411	**TOGT:**	.004
CO:	41	**ROGT:**	.0003656
Air Basin:	SF	**COT:**	.001
District:	BA	**NOXT:**	.005
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2008 Toxic Data

Facility ID:	18315	**COID:**	SM
Facility SIC Code:	5411	**DISN:**	BAY AREA AQMD

CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
CHAPIS:
CERR Code:

2009 Criteria Data

Facility ID: 18315
Facility SIC Code: 5411
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .004
ROGT: .0003656
COT: .001
NOXT: .005
SOXT: 0
PMT: 0
PM10T: 0

2009 Toxic Data

Facility ID: 18315
Facility SIC Code: 5411
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2010 Toxic Data

Facility ID: 18315
Facility SIC Code: 5411
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2011 Criteria Data

Facility ID: 18315
Facility SIC Code: 5411
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .024
ROGT: .0021936
COT: .004
NOXT: .029
SOXT: 0
PMT: 0
PM10T: 0

2011 Toxic Data

Facility ID: 18315
Facility SIC Code: 5411
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2012 Criteria Data

Facility ID:	18315	***CERR Code:***	
Facility SIC Code:	5411	***TOGT:***	.021
CO:	41	***ROGT:***	.0019194
Air Basin:	SF	***COT:***	.003
District:	BA	***NOXT:***	.026
COID:	SM	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

2012 Toxic Data

Facility ID:	18315	***COID:***	SM
Facility SIC Code:	5411	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2013 Criteria Data

Facility ID:	18315	***CERR Code:***	
Facility SIC Code:	5411	***TOGT:***	.021
CO:	41	***ROGT:***	.0019194
Air Basin:	SF	***COT:***	.003
District:	BA	***NOXT:***	.026
COID:	SM	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

2013 Toxic Data

Facility ID:	18315	***COID:***	SM
Facility SIC Code:	5411	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2014 Criteria Data

Facility ID:	18315	***CERR Code:***	
Facility SIC Code:	5411	***TOGT:***	.026372855
CO:	41	***ROGT:***	
Air Basin:	SF	***COT:***	.0041022
District:	BA	***NOXT:***	.032438207
COID:	SM	***SOXT:***	.000005421
DISN:	BAY AREA AQMD	***PMT:***	.0000954
CHAPIS:		***PM10T:***	.0000954

2014 Toxic Data

Facility ID:	18315	**COID:**	SM
Facility SIC Code:	5411	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2015 Criteria Data

Facility ID:	18315	**CERR Code:**	
Facility SIC Code:	5411	**TOGT:**	.02637286
CO:	41	**ROGT:**	.01335076
Air Basin:	SF	**COT:**	.0041022
District:	BA	**NOXT:**	.03243821
COID:	SM	**SOXT:**	.000005421
DISN:	BAY AREA AQMD	**PMT:**	.0000954
CHAPIS:		**PM10T:**	.0000954

2015 Toxic Data

Facility ID:	18315	**COID:**	SM
Facility SIC Code:	5411	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Criteria Data

Facility ID:	18315	**CERR CODE:**	
Facility SIC Code:	5411	**TOGT:**	.036675055
CO:	41	**ROGT:**	.0034144476205
Air Basin:	SF	**COT:**	.005704667
District:	BA	**NOXT:**	.04510973
COID:	SM	**SOXT:**	.000007539
DISN:	BAY AREA AQMD	**PMT:**	.000132667
CHAPIS:		**PM10T:**	.000132667

2016 Toxic Data

Facility ID:	18315	**TS:**	
Facility SIC Code:	5411	**HRA:**	
CERR CODE:		**CH Index:**	
COID:	SM	**AH Index:**	
CO:	41	**Air Basin:**	SF
DISN:	BAY AREA AQMD	**District:**	BA
CHAPIS:			

2017 Criteria Data

Facility ID:	18315	**CERR Code:**	
Facility SIC Code:	5411	**TOGT:**	.036675055
CO:	41	**ROGT:**	.0034144476205
Air Basin:	SF	**COT:**	.005704667
District:	BA	**NOXT:**	.04510973
COID:	SM	**SOXT:**	.000007539
DISN:	BAY AREA AQMD	**PMT:**	.000132667

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

CHAPIS: **PM10T:** .000132667

2017 Toxic Data

Facility ID: 18315
Facility SIC Code: 5411
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2018 Criteria Data

Facility ID: 18315
Facility SIC Code: 5411
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .025455099
ROGT: .0023698697169
COT: .003959445
NOXT: .031309365
SOXT: .000005232
PMT: .00009208
PM10T: .00009208

2018 Toxic Data

Facility ID: 18315
Facility SIC Code: 5411
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
68	3 of 6	WNW	0.23 / 1,198.48	30.99 / 10	ALBERTSONS #7143 45 MURCHISON DRIVE MILLBRAE CA	EMISSIONS

2002 Criteria Data

Facility ID: 14408
Facility SIC Code: 5411
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: 0
ROGT: 0
COT: 0
NOXT: .001
SOXT: 0
PMT: 0
PM10T: 0

2002 Toxic Data

Facility ID: 14408
Facility SIC Code: 5411
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
68	4 of 6	WNW	0.23 / 1,198.48	30.99 / 10	ALBERTSON'S,LLC #7143 45 MURCHISON DRIVE MILLBRAE CA 94030	EMISSIONS

2005 Criteria Data

Facility ID:	14408	**CERR Code:**	
Facility SIC Code:	5411	**TOGT:**	0
CO:	41	**ROGT:**	0
Air Basin:	SF	**COT:**	0
District:	BA	**NOXT:**	.001
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2005 Toxic Data

Facility ID:	14408	**COID:**	SM
Facility SIC Code:	5411	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	18315	**CERR Code:**	
Facility SIC Code:	5411	**TOGT:**	.014
CO:	41	**ROGT:**	.0012796
Air Basin:	SF	**COT:**	.004
District:	BA	**NOXT:**	.033
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2006 Toxic Data

Facility ID:	18315	**COID:**	SM
Facility SIC Code:	5411	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	14408	**CERR Code:**	
Facility SIC Code:	5411	**TOGT:**	.014
CO:	41	**ROGT:**	.0012796
Air Basin:	SF	**COT:**	.004
District:	BA	**NOXT:**	.033
COID:	SM	**SOXT:**	0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

DISN: BAY AREA AQMD
CHAPIS:
PMT: 0
PM10T: 0

2007 Toxic Data

Facility ID: 14408
Facility SIC Code: 5411
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

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68 | 5 of 6 | WNW | 0.23 / 1,198.48 | 30.99 / 10 | **RECYCLO**
45 MURCHISON DR
MILLBRAE CA 94030 | **RECYCLING**

Cert ID: RV0773
Operation: 03/17/91
Rural:
Organization:
Aluminium:
Glass:
Plastic:
Bimetal:
Agency:
Grand Fath:
Cert Status: REVOKED
Operatione: 08/20/92
Monday Hou:
Tuesday Ho:
Wednesday:
Thursday H:
Friday Hou:
Saturday H:
Sunday Hou:
Mailing Ad:
Mailing Ci:
Mailing St:
Mailing Zi:
Phone No: (714) 474-1586
Website:
Email:
Hours of Ope:
County: SAN MATEO

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68 | 6 of 6 | WNW | 0.23 / 1,198.48 | 30.99 / 10 | **Friendship Plaza in Millbrae**
45 Murchison Dr
Millbrae CA 94030 | **ALT FUELS**

ID: 187718
Federal Agency ID:
Federal Agency:
Fed Agency Name:
Status: Open: The station is open.
Facility Type: SHOPPING_CENTER
Fuel Type Code: ELEC: Electric
Owner Type Desc: Privately owned
Expected Date:
Dt Last Confirmed:
Open Date: 2021-04-12
Updated at: 2021-04-16 20:52:22 UTC
BD Blends:
NG PSI:
NG Fill Type Code:
NG Fill Type Desc:
NG Vehicle Class:
NG Vehicle Class Desc:
E85 Blender Pump:
E85 Blender Pump Desc:
E85 Other Ethanol Blends:
EV Pricing: FREE
EV Pricing French:
EV on Site Renewable Source:
LPG Primary:
LPG Primary Desc:
Intersection Directions:
CNG Dispenser No:
CNG Fill Type Code:
CNG Site Renew Src:
CNG PSI:
CNG Storage Cap:
CNG Tot Compr Cap:
CNG Vehicle Class:
LPG Nozzle Types:
LNG Site Renew Src:
LNG Vehicle Class:
Hydrogen is Retail:
Hydrogen Pressures:
Hydrogen Standards:
Station Phone: 888-264-2208
Latitude: 37.596382
Longitude: -122.387349

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Geocode Status Desc: The location is from a real GPS readout at the station.
Hydrogen Status Link:

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69 | **1 of 1** | **NW** | **0.23 / 1,213.24** | **26.18 / 5** | **TEXACO SERVICE STATION 35-2469, FORMER**
130 SOUTH EL CAMINO REAL
MILLBRAE CA 940303121 | **LUST**

Global ID: T0608164207
Status: COMPLETED - CASE CLOSED
Status Date: 12/27/2017
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.597181029986
Longitude: -122.385442256927

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No:
Local Case No: 990032
Begin Date: 1/27/2006
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: NO
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:
Potential COC: Gasoline
How Discovered: * SA
Stop Method: Close and Remove Tank
Stop Description:
Case Worker: BG
File Location: Local Agency

Extracted from SAIC's November 12, 2008 Work Plan for Site Assessment, San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report. The site operated as a Texaco-branded service station from 1954 until 1981. Previous site features included USTs, two dispenser islands and a station building with five service bays. The former station dispensed regular and premium gasoline. July 2005: In July, 2005, a Phase II Investigation was performed to assess if the subsurface was impacted by dry-cleaning chemicals from the former laundry operations. The investigation included the advancement of three soil borings, designated JS-B1, JS-B2 and JS-B3, located both on and offsite. Borings were advanced using a track-mounted Geoprobe drill rig equipped with 2 inch diameter rods to a maximum depth of 20 feet (ft) below ground surface (bgs). Soil vapor, soil and groundwater samples were collected from each boring. Soil vapor samples were analyzed for 1, 1-dichloroethene, trans-1, 2-Dichloroethene, cis-1, 2-Dichloroethene, trichloroethene (TCE), and tetrachloroethene (PCE), none of which were detected above laboratory reporting limits. Soil samples were collected from each of the borings, and were found to contain up to 2,800 milligrams per kilogram (mg/kg) total petroleum hydrocarbons (TPH) as gasoline (TPHg), 570 mg/kg TPH as diesel (TPHd), 69.0 mg/kg TPH as motor oil (TPHmo), 9.1 mg/kg benzene 16.0 mg/kg toluene, 44.0 mg/kg ethylbenzene, and 120.0 mg/kg xylenes, all of which were found in the sample taken from boring B-1 at 10 ft bgs. Methyl tert-butyl ether (MTBE) was not detected at or above laboratory detection limits in any soil samples collected. The highest concentrations were detected in in groundwater samples from boring JS-B1, with concentrations up to 100,000 micrograms per liter (ìg/L) TPHg, 170,000 ìg/L TPHd, 15,000 ìg/L TPHmo, 340 ìg/L benzene, 1,500 ìg/L toluene, 3,700 ìg/L ethylbenzene, 15,000 ìg/L xylenes, 310 ìg/L n-butyl benzene, 600 ìg/L n-propyl benzene, 3,900 ìg/L 1,2,4-Trimethyl benzene, and 1,100 ìg/L 1,3,5-Trimethyl benzene. MTBE was not detected above laboratory reporting limits in any groundwater samples collected. To assess the lateral extent of petroleum hydrocarbons in soil and groundwater at the site, four proposed groundwater monitoring wells will be installed.

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 12/27/2017
Action: Closure/No Further Action Letter - #20171227

Action Type: RESPONSE
Date : 3/16/2017
Action: Well Destruction Report

Action Type: ENFORCEMENT
Date : 9/16/2016
Action: Staff Letter

Action Type: ENFORCEMENT
Date : 7/6/2016

Action: Notification - Preclosure - #20160706

Action Type: ENFORCEMENT
Date : 5/19/2016
Action: Closure Summary - #20160519

Action Type: RESPONSE
Date : 5/15/2016
Action: Monitoring Report - Annually

Action Type: RESPONSE
Date : 2/15/2016
Action: Soil Vapor Intrusion Investigation Report

Action Type: ENFORCEMENT
Date : 2/25/2015
Action: Staff Letter - #20150225

Action Type: RESPONSE
Date : 11/15/2014
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 9/30/2014
Action: Monitoring Report - Semi-Annually - Regulator Responded

Action Type: ENFORCEMENT
Date : 6/26/2014
Action: Staff Letter - #20140626

Action Type: RESPONSE
Date : 6/13/2014
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Action Type: RESPONSE
Date : 5/15/2014
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 4/18/2014
Action: Staff Letter - #20140418

Action Type: RESPONSE
Date : 3/12/2014
Action: Site Assessment Report

Action Type: ENFORCEMENT
Date : 2/13/2014
Action: Staff Letter - #20140213

Action Type: RESPONSE
Date : 1/15/2014
Action: Soil Vapor Intrusion Investigation Report - Regulator Responded

Action Type: RESPONSE
Date : 11/15/2013
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 8/20/2013
Action: Staff Letter - #20130820

Action Type: RESPONSE
Date : 6/11/2013
Action: Soil Vapor Intrusion Investigation Report - Regulator Responded

Action Type: RESPONSE
Date : 5/15/2013
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 12/11/2012
Action: Staff Letter - #20121211

Action Type: RESPONSE
Date : 11/15/2012
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 9/13/2012
Action: Site Assessment Report

Action Type: RESPONSE
Date : 8/15/2012
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 7/5/2012
Action: Staff Letter - #20120705

Action Type: RESPONSE
Date : 6/27/2012
Action: Soil and Water Investigation Workplan - Regulator Responded

Action Type: RESPONSE
Date : 5/15/2012
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 5/2/2012
Action: Staff Letter - #20120502

Action Type: RESPONSE
Date : 2/15/2012
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 11/15/2011
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 8/15/2011
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 5/17/2011
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 5/15/2011
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2/15/2011
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 12/7/2010
Action: Soil and Water Investigation Workplan

Action Type: ENFORCEMENT
Date : 11/17/2010
Action: Staff Letter - #20101117

Action Type: RESPONSE
Date : 11/15/2010
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 9/7/2010
Action: Staff Letter - #20100907

Action Type: RESPONSE
Date : 8/15/2010
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 4/21/2010
Action: Correspondence

Action Type: RESPONSE
Date : 12/25/2009
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 7/2/2009
Action: Staff Letter - #20090702

Action Type: ENFORCEMENT
Date : 11/21/2008
Action: Staff Letter - #20081121

Action Type: RESPONSE
Date : 11/18/2008
Action: Soil and Water Investigation Workplan

Action Type: ENFORCEMENT
Date : 7/1/2008
Action: Staff Letter - #20080701

Action Type: RESPONSE
Date : 2/12/2008
Action: Other Report / Document

Action Type: ENFORCEMENT
Date : 1/14/2008
Action: Staff Letter - #20080114

Action Type: Other
Date : 2/27/2006
Action: Leak Reported

Action Type: Other
Date : 1/27/2006
Action: Leak Discovery

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone No:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 12/27/2017

Status: Open - Eligible for Closure
Status Date: 5/31/2016

Status: Open - Site Assessment
Status Date: 5/1/2008

Status: Open - Site Assessment
Status Date: 1/14/2008

Status: Open - Case Begin Date
Status Date: 1/27/2006

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: TEXACO SERVICE STATION 35-2469, FORMER
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig:
CUF Amount Paid:
Potential COC: GASOLINE
Facility Type:
Composting Method:
Address: 130 SOUTH EL CAMINO REAL
City: MILLBRAE
Zip: 940303121
County: SAN MATEO
CUF Claim:
File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608164207
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 12/27/2017
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608164207&tabname=regulatoryhistory
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management: NO EXCAVATION OF CONTAMINATED SOILS WITHOUT AGENCY REVIEW AND APPROVAL
NOTIFY PRIOR TO CHANGE IN LAND USE
NOTIFY PRIOR TO DEVELOPMENT
NOTIFY PRIOR TO SUBSURFACE WORK
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 990032
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2)
CASEWORKER: Regional Water Board
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

Extracted from SAIC's November 12, 2008 Work Plan for Site Assessment, San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report.

The site operated as a Texaco-branded service station from 1954 until 1981. Previous site features included USTs, two dispenser islands and a station building with five service bays. The former station dispensed regular and premium gasoline. July 2005: In July, 2005, a Phase II Investigation was performed to assess if the subsurface was impacted by dry-cleaning chemicals from the former laundry operations. The investigation included the advancement of three soil borings, designated JS-B1, JS-B2 and JS-B3, located both on and offsite. Borings were advanced using a track-mounted Geoprobe drill rig equipped with 2 inch diameter rods to a maximum depth of 20 feet (ft) below ground surface (bgs). Soil vapor, soil and groundwater samples were collected from each boring. Soil vapor samples were analyzed for 1, 1-dichloroethene, trans-1, 2-Dichloroethene, cis-1, 2-Dichloroethene, trichloroethene (TCE), and tetrachloroethene (PCE), none of which were detected above laboratory reporting limits. Soil samples were collected from each of the borings, and were found to contain up to 2,800 milligrams per kilogram (mg/kg) total petroleum hydrocarbons (TPH) as gasoline (TPHg), 570 mg/kg TPH as diesel (TPHd), 69.0 mg/kg TPH as motor oil (TPHmo), 9.1 mg/kg benzene
16.0 mg/kg toluene, 44.0 mg/kg ethylbenzene, and 120.0 mg/kg xylenes, all of which were found in the sample taken from boring B-1 at 10 ft bgs. Methyl tert-butyl ether (MTBE) was not detected at or above laboratory detection limits in any soil samples collected. The highest concentrations were detected in in groundwater samples from boring JS-B1, with concentrations up to 100,000 micrograms per liter (ìg/L) TPHg, 170,000 ìg/L TPHd, 15,000 ìg/L TPHmo, 340 ìg/L benzene, 1,500 ìg/L toluene, 3,700 ìg/L ethylbenzene, 15,000 ìg/L xylenes, 310 ìg/L n-butyl benzene, 600 ìg/L n-propyl benzene, 3,900 ìg/L 1,2,4-Trimethyl benzene, and 1,100 ìg/L 1,3,5-Trimethyl benzene. MTBE was not detected above laboratory reporting limits in any groundwater samples collected.
To assess the lateral extent of petroleum hydrocarbons in soil and groundwater at the site, four proposed groundwater monitoring wells will be installed.

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 12/27/2017

Status: Open - Eligible for Closure
Date : 5/31/2016

Status: Open - Site Assessment
Date : 5/1/2008

Status: Open - Site Assessment
Date : 1/14/2008

Status: Open - Case Begin Date
Date : 1/27/2006

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Other Regulatory Actions
Action Date: 12/27/2017
Received Issue Date: 12/27/2017
Action: Closure/No Further Action Letter - #20171227
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6344744&temptable=ENFORCEMENT
Title Description Comments:

LOP Case Closure letter

Action Type: Response Requested - Reports
Action Date: 3/16/2017
Received Issue Date: 12/21/2017
Action: Well Destruction Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5900278
Title Description Comments:

Action Type: Other Regulatory Actions
Action Date: 9/16/2016
Received Issue Date: 9/16/2016
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6298111&temptable=ENFORCEMENT
Title Description Comments:

well destruction request

Action Type: Notices
Action Date: 7/6/2016
Received Issue Date: 7/6/2016
Action: Notification - Preclosure - #20160706
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6290933&temptable=ENFORCEMENT
Title Description Comments:

60 day notification of closure

Action Type: Other Regulatory Actions
Action Date: 5/19/2016
Received Issue Date: 5/19/2016
Action: Closure Summary - #20160519
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6344739&temptable=ENFORCEMENT
Title Description Comments:

LOP Case Closure Memorandum

Action Type: Response Requested - Reports
Action Date: 5/15/2016
Received Issue Date: 2/4/2016
Action: Monitoring Report - Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5890552
Title Description Comments:

2016 annual monitoring (January, 8, 2016)

Action Type: Response Requested - Reports
Action Date: 2/15/2016
Received Issue Date: 5/2/2016
Action: Soil Vapor Intrusion Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5831575
Title Description Comments:

Action Type: Other Regulatory Actions
Action Date: 2/25/2015
Received Issue Date: 2/25/2015
Action: Staff Letter - #20150225
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6236877&temptable=ENFORCEMENT
Title Description Comments:

letter requesting remediation evaluation or continued sub-slab sampling.

Action Type: Response Requested - Reports
Action Date: 11/15/2014
Received Issue Date: 1/27/2015
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5808748
Title Description Comments:

2nd half 2014 groundwater monitoring

Action Type: Response Requested - Reports
Action Date: 9/30/2014
Received Issue Date: 1/9/2015
Action: Monitoring Report - Semi-Annually - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5808753
Title Description Comments:

Summer 2014 soil vapor sampling - see letter dated 2/25/2015

Action Type: Other Regulatory Actions
Action Date: 6/26/2014
Received Issue Date: 6/26/2014
Action: Staff Letter - #20140626
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6209938&temptable=ENFORCEMENT
Title Description Comments:

On-going soil vapor intrusion evaluation

Action Type: Response Requested - Workplans
Action Date: 6/13/2014
Received Issue Date: 5/28/2014
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5802708
Title Description Comments:

Vapor intrusion pathway evaluation work plan - See 6/26/2014 email

Action Type: Response Requested - Reports
Action Date: 5/15/2014
Received Issue Date: 5/15/2014
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5787826
Title Description Comments:

1st half 2014 groundwater monitoring

Action Type: Other Regulatory Actions
Action Date: 4/18/2014
Received Issue Date: 4/18/2014
Action: Staff Letter - #20140418
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6200388&temptable=ENFORCEMENT
Title Description Comments:

Vapor intrusion pathway evaluation work plan

Action Type: Response Requested - Reports
Action Date: 3/12/2014
Received Issue Date: 3/21/2014
Action: Site Assessment Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5797785
Title Description Comments:

Northeast dispenser island soil sampling

Action Type: Other Regulatory Actions
Action Date: 2/13/2014
Received Issue Date: 2/13/2014
Action: Staff Letter - #20140213
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6192355&temptable=ENFORCEMENT
Title Description Comments:

Northeast dispenser island soil sampling

Action Type: Response Requested - Reports
Action Date: 1/15/2014
Received Issue Date: 2/5/2014
Action: Soil Vapor Intrusion Investigation Report - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5778985
Title Description Comments:

2nd half 2013 vapor sampling

Action Type: Response Requested - Reports
Action Date: 11/15/2013
Received Issue Date: 10/28/2013
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5770062
Title Description Comments:

2nd half 2013 groundwater monitoring

Action Type: Other Regulatory Actions
Action Date: 8/20/2013
Received Issue Date: 8/20/2013
Action: Staff Letter - #20130820
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6172307&temptable=ENFORCEMENT
Title Description Comments:

Sub-slab vapor sampling

Action Type: Response Requested - Reports
Action Date: 6/11/2013
Received Issue Date: 8/13/2013
Action: Soil Vapor Intrusion Investigation Report - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5758818
Title Description Comments:

Additional vapor sampling

Action Type: Response Requested - Reports
Action Date: 5/15/2013
Received Issue Date: 4/18/2013
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5756439
Title Description Comments:

1st half 2013 groundwater monitoring

Action Type: Other Regulatory Actions
Action Date: 12/11/2012
Received Issue Date: 12/11/2012
Action: Staff Letter - #20121211
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6144684&temptable=ENFORCEMENT
Title Description Comments:

Additional vapor sampling

Action Type: Response Requested - Reports
Action Date: 11/15/2012
Received Issue Date: 10/29/2012
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5744812
Title Description Comments:

3rd quarter 2012 gw mon report

Action Type: Response Requested - Reports
Action Date: 9/13/2012
Received Issue Date: 12/10/2012
Action: Site Assessment Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5741531
Title Description Comments:

Source area and exposure pathway assessment - Missing all vapor EDF data, submitted 12/10/2012

Action Type: Response Requested - Reports
Action Date: 8/15/2012
Received Issue Date: 7/19/2012
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5736252
Title Description Comments:

2nd quarter 2012 gw mon report

Action Type: Other Regulatory Actions
Action Date: 7/5/2012
Received Issue Date: 7/5/2012
Action: Staff Letter - #20120705
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6128528&temptable=ENFORCEMENT
Title Description Comments:

Source area and exposure pathway assessment

Action Type: Response Requested - Workplans
Action Date: 6/27/2012
Received Issue Date: 6/26/2012
Action: Soil and Water Investigation Workplan - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5736067
Title Description Comments:

Source area and exposure pathway assessment wp

Action Type: Response Requested - Reports
Action Date: 5/15/2012
Received Issue Date: 5/1/2012
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5732400
Title Description Comments:

1st quarter 2012 gw mon report - Missing geo_well

Action Type: Other Regulatory Actions
Action Date: 5/2/2012
Received Issue Date: 5/2/2012
Action: Staff Letter - #20120502
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6120523&temptable=ENFORCEMENT
Title Description Comments:

Source area and exposure pathway assessment wp

Action Type: Response Requested - Reports
Action Date: 2/15/2012
Received Issue Date: 1/31/2012
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5727012
Title Description Comments:

4th quarter 2011 gw mon report

Action Type: Response Requested - Reports
Action Date: 11/15/2011
Received Issue Date: 12/7/2011
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5716031
Title Description Comments:

3rd Quarter 2011 gw mon report

Action Type: Response Requested - Reports
Action Date: 8/15/2011
Received Issue Date: 6/14/2011
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5712422
Title Description Comments:

2nd quarter 2011 gw mon report

Action Type: Response Requested - Reports
Action Date: 5/17/2011
Received Issue Date: 3/5/2012
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5699520
Title Description Comments:

Continued lateral extent definition - Missing geo_xy, geo_z, and geo_map files. Uploaded 6/27/2011., MW-8's installation report missing a new geo_map, geo_bore, and geo_xy and _z.

Action Type: Response Requested - Reports
Action Date: 5/15/2011
Received Issue Date: 4/27/2011
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5707105
Title Description Comments:

1st quarter 2011 gw monitoring report

Action Type: Response Requested - Reports
Action Date: 2/15/2011
Received Issue Date: 1/28/2011
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5694700
Title Description Comments:

4th quarter 2010 gw mon report

Action Type: Response Requested - Workplans
Action Date: 12/7/2010
Received Issue Date: 11/5/2010
Action: Soil and Water Investigation Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5694704
Title Description Comments:

Continued extent definition wp

Action Type: Other Regulatory Actions
Action Date: 11/17/2010
Received Issue Date: 11/17/2010
Action: Staff Letter - #20101117
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6069456&temptable=ENFORCEMENT
Title Description Comments:

Continued lateral extent definition

Action Type: Response Requested - Reports
Action Date: 11/15/2010
Received Issue Date: 9/3/2010
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5674399
Title Description Comments:

3rd Quarter 2010 gw mon report

Action Type: Other Regulatory Actions
Action Date: 9/7/2010
Received Issue Date: 9/7/2010
Action: Staff Letter - #20100907
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6063123&temptable=ENFORCEMENT
Title Description Comments:

Continued extent definition wp

Action Type: Response Requested - Reports
Action Date: 8/15/2010
Received Issue Date: 7/29/2010
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5674398

Title Description Comments:

2nd quarter 2010 gw mon report

Action Type: Response Requested - Other
Action Date: 4/21/2010
Received Issue Date: 4/21/2010
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5665863
Title Description Comments:

Attempts at off-site access

Action Type: Response Requested - Reports
Action Date: *12/25/2009
Received Issue Date: 9/9/2010
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5624589
Title Description Comments:

Lateral and vertical extent definition - Missing geo_map, geo_xy, and geo_z files, submitted 5/4/2010, Missing water EDF, geo_xy, geo_z, geo_well, and geo_bores

Action Type: Other Regulatory Actions
Action Date: 7/2/2009
Received Issue Date: 7/2/2009
Action: Staff Letter - #20090702
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6018926&temptable=ENFORCEMENT
Title Description Comments:

Resolution 2009-042 gw sampling notification letter

Action Type: Other Regulatory Actions
Action Date: 11/21/2008
Received Issue Date: 11/21/2008
Action: Staff Letter - #20081121
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=5994166&temptable=ENFORCEMENT
Title Description Comments:

Lateral and vertical extent definition Failed to send electronically until 8/25/2009, revised due date to 12/25/2009

Action Type: Response Requested - Workplans
Action Date: 11/18/2008
Received Issue Date: 12/4/2008
Action: Soil and Water Investigation Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608164207&doc_id=5624586
Title Description Comments:

Lateral and vertical extent definition work plan

Action Type: Other Regulatory Actions
Action Date: 7/1/2008
Received Issue Date: 7/1/2008
Action: Staff Letter - #20080701
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=5994154&temptable=ENFORCEMENT
Title Description Comments:

Lateral and vertical extent definition work plan

Action Type: Response Requested - Other
Action Date: 2/12/2008

Received Issue Date: 4/16/2008
Action: Other Report / Document
Doc Link:
Title Description Comments:

Opening site meeting - Opening site meeiting with property owner, Opening site meeting with former operator

Action Type: Other Regulatory Actions
Action Date: 1/14/2008
Received Issue Date: 1/14/2008
Action: Staff Letter - #20080114
Doc Link:
Title Description Comments:

OPENING SITE MEETING

Action Type: Leak Action
Action Date: 2/27/2006
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 1/27/2006
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Enforcement - Other
Action Date:
Received Issue Date:
Action: Unknown
Doc Link:
Title Description Comments:

LUST Sites from GeoTracker Search - Site Maps (as of Feb 27, 2021)

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3930868566/T0608164207.PDF
Size : 309 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 1/9/2015

Title: ADDITIONAL ASSESSMENT REPORT (GEO_BORE) (B-6)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1467843234/T0608164207.PDF
Size : 369 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 3/21/2014

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3350984096/T0608164207.PDF
Size : 454 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 3/21/2014

Title: ADDITIONAL SITE ASSESSMENT REPORT (GEO_BORE B-3) (B-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6034316956/T0608164207.PDF
Size : 506 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 12/4/2012

Title: ADDITIONAL SITE ASSESSMENT REPORT (GEO_BORE SV-1) (SV-1)

Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7854154467/T0608164207.PDF
Size : 352 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 12/4/2012

Title: ADDITIONAL SITE ASSESSMENT REPORT (GEO_BORE B-1) (B-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7152175843/T0608164207.PDF
Size : 521 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 12/4/2012

Title: ADDITIONAL SITE ASSESSMENT REPORT (GEO_BORE B-5) (B-5)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2675342619/T0608164207.PDF
Size : 533 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 12/4/2012

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9073409974/T0608164207.PDF
Size : 300 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 12/4/2012

Title: ADDITIONAL SITE ASSESSMENT REPORT (GEO_BORE SV-2) (SV-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5916578173/T0608164207.PDF
Size : 381 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 12/4/2012

Title: ADDITIONAL SITE ASSESSMENT REPORT (GEO_BORE B-2) (B-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4879379212/T0608164207.PDF
Size : 572 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 12/4/2012

Title: ADDITIONAL SITE ASSESSMENT REPORT (GEO_BORE B-4) (B-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1378812670/T0608164207.PDF
Size : 498 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 12/4/2012

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/2754623353/T0608164207.PDF
Size : 385 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 10/29/2012

Title: ADDITIONAL SITE ASSESSMENT REPORT (BORING LOG MW-8) (MW-8)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6893360912/T0608164207.PDF
Size : 8,932 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 3/2/2012

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/2909085869/T0608164207.PDF
Size : 380 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 3/2/2012

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9562763988/T0608164207.PDF
Size : 140 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 6/27/2011

Title: ADDITIONAL SITE ASSESSMENT AND SECOND QUARTER GROUNDWATER MONITORING AND SAMPLING REPORT (BORING LOG MW-6) (MW-6)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9287885308/T0608164207.PDF
Size : 704 KB

Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 6/14/2011

Title: ADDITIONAL SITE ASSESSMENT AND SECOND QUARTER GROUNDWATER MONITORING AND SAMPLING REPORT (BORING LOG MW-9) (MW-9)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8488080620/T0608164207.PDF
Size : 701 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 6/14/2011

Title: ADDITIONAL SITE ASSESSMENT AND SECOND QUARTER GROUNDWATER MONITORING AND SAMPLING REPORT (BORING LOG MW-7) (MW-7)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4229888200/T0608164207.PDF
Size : 634 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 6/14/2011

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5226586878/T0608164207.PDF
Size : 174 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 4/27/2011

Title: GEO_BORE MW-4 (MW-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5997552454/T0608164207.PDF
Size : 512 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 9/7/2010

Title: GEO_BORE MW-5 (MW-5)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7915330290/T0608164207.PDF
Size : 503 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 9/7/2010

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9486398279/T0608164207.PDF
Size : 138 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 9/3/2010

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5475358009/T0608164207.PDF
Size : 131 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 5/4/2010

Title: SITE ASSESSMENT REPORT (BORING LOG MW-1) (MW-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5832643806/T0608164207.PDF
Size : 450 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 4/12/2010

Title: SITE ASSESSMENT REPORT (BORING LOG MW-3) (MW-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2908265113/T0608164207.PDF
Size : 461 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 4/12/2010

Title: SITE ASSESSMENT REPORT (BORING LOG MW-2) (MW-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6731828093/T0608164207.PDF
Size : 374 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 4/12/2010

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/8380705893/T0608164207.PDF
Size : 535 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)

Submitted: 12/4/2008

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3125911891/T0608164207.PDF
Size : 151 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted: 12/4/2008

LUST Sites from GeoTracker Search - Documents (as of Feb 27, 2021)

Document Type: Site Documents
Document Date: 12/27/2017
Type: CLOSURE/NO FURTHER ACTION LETTER
Title: LOP CASE CLOSURE LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6344744
Size :
Submitted By: BRIAN GWINN (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 12/21/2017
Type: REQUEST FOR CLOSURE
Title: WELL ABANDONMENT REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9298233270/T0608164207.PDF
Size : 11,699 KB
Submitted By: TRC IRVINE (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 9/16/2016
Type: STAFF LETTER
Title: WELL DESTRUCTION REQUEST
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6298111
Size :
Submitted By: JACOB MADDEN (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 7/6/2016
Type: NOTIFICATION - PRECLOSURE
Title: 60 DAY NOTIFICATION OF CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6290933
Size :
Submitted By: JACOB MADDEN (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 5/19/2016
Type: CLOSURE SUMMARY
Title: LOP CASE CLOSURE MEMORANDUM
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6344739
Size :
Submitted By: BRIAN GWINN (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 4/29/2016
Type: SITE ASSESSMENT REPORT
Title: SUB-SLAB VAPOR AND INDOOR/OUTDOOR AIR SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6017371833/T0608164207.PDF
Size : 3,031 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted:

Document Type: Monitoring Reports
Document Date: 2/4/2016
Type: MONITORING REPORT - ANNUALLY
Title: ANNUAL 2016 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1074427008/T0608164207.PDF
Size : 1,246 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 2/25/2015
Type: STAFF LETTER
Title: LETTER REQUESTING REMEDIATION EVALUATION OR CONTINUED SUB-SLAB SAMPLING.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6236877
Size :
Submitted By: JACOB MADDEN (REGULATOR)
Submitted:

Document Type: Monitoring Reports
Document Date: 1/27/2015
Type: MONITORING REPORT - SEMI-ANNUALLY
Title: SECOND SEMI-ANNUAL 2014 GROUNDWATER MONITORING AND SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1971132397/T0608164207.PDF
Size : 3,426 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 1/9/2015
Type: SOIL VAPOR INTRUSION INVESTIGATION REPORT
Size : 1,434 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted:

Title: SUB-SLAB VAPOR SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3175025284/T0608164207.PDF

Document Type: Site Documents
Document Date: 6/26/2014
Type: STAFF LETTER
Title: ON-GOING SOIL VAPOR INTRUSION EVALUATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6209938
Size :
Submitted By: CHARLES ICE (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 5/28/2014
Type: SOIL VAPOR INTRUSION INVESTIGATION WORKPLAN
Title: WORK PLAN FOR CONTINUED VAPOR INTRUSION PATHWAY EVALUATION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1824668228/T0608164207.PDF
Size : 118 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted:

Document Type: Monitoring Reports
Document Date: 5/15/2014
Type: MONITORING REPORT - SEMI-ANNUALLY
Title: FIRST SEMI-ANNUAL 2014 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3370896816/T0608164207.PDF
Size : 4,947 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 4/18/2014
Type: STAFF LETTER
Title: VAPOR INTRUSION PATHWAY EVALUATION WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6200388
Size :
Submitted By: CHARLES ICE (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 3/21/2014
Type: SITE ASSESSMENT REPORT
Title: ADDITIONAL ASSESSMENT REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7242163956/T0608164207.PDF
Size : 2,523 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 2/13/2014
Type: STAFF LETTER
Title: NORTHEAST DISPENSER ISLAND SOIL SAMPLING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6192355
Size :
Submitted By: CHARLES ICE (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 2/5/2014
Type: SOIL VAPOR INTRUSION INVESTIGATION REPORT
Title: SUB-SLAB VAPOR AND INDOOR/OURDOOR AIR SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2892220675/T0608164207.PDF
Size : 3,511 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 2/4/2014
Type: CORRESPONDENCE
Title: PATTEN AGENCY INTRO LETTER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4675691723/T0608164207.PDF
Size : 102 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted:

Document Type: Monitoring Reports
Document Date: 10/28/2013
Type: MONITORING REPORT - SEMI-ANNUALLY
Title: SECOND SEMI-ANNUAL 2013 GROUNDWATER MONITORING AND SAMPLING RESULTS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5171830654/T0608164207.PDF
Size : 4,501 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 8/20/2013
Type: STAFF LETTER
Title: SUB-SLAB VAPOR SAMPLING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6172307
Size :
Submitted By: CHARLES ICE (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 8/13/2013
Type: SOIL VAPOR INTRUSION INVESTIGATION REPORT
Size : 4,215 KB
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Submitted:

Title: VAPOR INTRUSION ASSESSMENT REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4083085536/T0608164207.PDF

Document Type: Monitoring Reports **Size :** 5,796 KB
Document Date: 4/18/2013 **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FIRST QUARTER 2013 GROUNDWATER MONITORING AND SAMPLING RESULTS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5899262905/T0608164207.PDF

Document Type: Monitoring Reports **Size :** 3,603 KB
Document Date: 1/15/2013 **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FOURTH QUARTER 2012 GROUNDWATER MONITORING AND SAMPLING RESULTS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5669209301/T0608164207.PDF

Document Type: Site Documents **Size :**
Document Date: 12/11/2012 **Submitted By:** CHARLES ICE (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: ADDITIONAL VAPOR SAMPLING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6144684

Document Type: Site Documents **Size :** 8,031 KB
Document Date: 12/4/2012 **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: SITE ASSESSMENT REPORT **Submitted:**
Title: ADDITIONAL SITE ASSESSMENT REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9501560270/T0608164207.PDF

Document Type: Monitoring Reports **Size :** 3,921 KB
Document Date: 10/29/2012 **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: THIRD QUARTER 2012 GROUNDWATER MONITORING AND SAMPLING RESULTS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7542280077/T0608164207.PDF

Document Type: Monitoring Reports **Size :** 3,252 KB
Document Date: 7/19/2012 **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: SECOND QUARTER 2012 GROUNDWATER MONITORING AND SAMPLING RESULTS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8670562028/T0608164207.PDF

Document Type: Site Documents **Size :**
Document Date: 7/5/2012 **Submitted By:** CHARLES ICE (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: SOURCE AREA AND EXPOSURE PATHWAY ASSESSMENT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6128528

Document Type: Site Documents **Size :** 1,757 KB
Document Date: 6/26/2012 **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: OTHER WORKPLAN **Submitted:**
Title: WORK PLAN FOR ADDITIONAL SITE ASSESSMENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3629185497/T0608164207.PDF

Document Type: Site Documents **Size :**
Document Date: 5/2/2012 **Submitted By:** CHARLES ICE (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: SOURCE AREA AND EXPOSURE PATHWAY ASSESSMENT WP
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6120523

Document Type: Monitoring Reports **Size :** 27,820 KB
Document Date: 4/27/2012 **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FIRST QUARTER 2012 GROUNDWATER MONITORING AND SAMPLING RESULTS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3858749330/T0608164207.PDF

Document Type: Monitoring Reports **Size :** 8,055 KB
Document Date: 1/30/2012 **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FOURTH QUARTER 2011 GROUNDWATER MONITORING AND SAMPLING RESULTS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2548979997/T0608164207.PDF

Document Type: Site Documents **Size :** 14,907 KB
Document Date: 1/30/2012 **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: SITE ASSESSMENT REPORT **Submitted:**
Title: ADDITIONAL SITE ASSESSMENT REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2201949357/T0608164207.PDF

Document Type: Monitoring Reports **Size :** 16,792 KB
Document Date: 10/18/2011 **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: THIRD QUARTER 2011 GROUNDWATER MONITORING AND SAMPLING RESULTS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9997161149/T0608164207.PDF

Document Type: Monitoring Reports **Size :** 11,254 KB
Document Date: 6/14/2011 **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: ADDITIONAL SITE ASSESSMENT AND SECOND QUARTER GROUNDWATER MONITORING AND SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6972379326/T0608164207.PDF

Document Type: Monitoring Reports **Size :** 1,988 KB
Document Date: 4/27/2011 **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FIRST QUARTER 2011 GROUNDWATER MONITORING AND SAMPLING RESULTS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1758890807/T0608164207.PDF

Document Type: Site Documents **Size :** 30 KB
Document Date: 3/3/2011 **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: NOTIFICATION OF CHANGE IN PROJECT MANAGER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7415677666/T0608164207.PDF

Document Type: Monitoring Reports **Size :** 1,989 KB
Document Date: 1/27/2011 **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FOURTH QUARTER 2010 GROUNDWATER MONITORING AND SAMPLING RESULTS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9338780224/T0608164207.PDF

Document Type: Site Documents **Size :** 2,717 KB
Document Date: 1/27/2011 **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: PRELIMINARY SITE ASSESSMENT WORKPLAN **Submitted:**
Title: SITE SPECIFIC WORK PLAN PROCESS FOR ADDITIONAL SITE ASSESSMENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6016983985/T0608164207.PDF

Document Type: Site Documents **Size :**
Document Date: 11/17/2010 **Submitted By:** CHARLES ICE (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: CONTINUED LATERAL EXTENT DEFINITION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6069456

Document Type: Site Documents **Size :** 2,457 KB
Document Date: 11/5/2010 **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: WORK PLAN FOR ADDITIONAL SITE ASSESSMENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5579245328/T0608164207.PDF

Document Type: Site Documents **Size :** 50 KB
Document Date: 9/15/2010 **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: THE CHEVRON PROJECT MANAGER RESPONSIBILITIES WERE TRANSFERRED TO ME FOR THE FOLLOWING SITES:
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8522187590/T0608164207.PDF

Document Type: Site Documents **Size :**
Document Date: 9/7/2010 **Submitted By:** CHARLES ICE (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: CONTINUED EXTENT DEFINITION WP
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6063123

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Document Type: Site Documents | **Size :** 8,399 KB
Document Date: 8/31/2010 | **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: OFFSITE ASSESSMENT AND THIRD QUARTER GROUNDWATER MONITORING AND SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9187430143/T0608164207.PDF

Document Type: Site Documents | **Size :** 1,179 KB
Document Date: 7/29/2010 | **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: SECOND QUARTER 2010 GROUNDWATER MONITORING AND SAMPLING RESULTS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9282739222/T0608164207.PDF

Document Type: Site Documents | **Size :** 14 KB
Document Date: 4/21/2010 | **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: SUMMARY OF OFFSITE ACCESS REQUEST
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6104737281/T0608164207.PDF

Document Type: Site Documents | **Size :**
Document Date: 4/21/2010 | **Submitted By:** CHARLES ICE (REGULATOR)
Type: CORRESPONDENCE | **Submitted:**
Title: ATTEMPTS AT OFF-SITE ACCESS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&document_id=5665863

Document Type: Site Documents | **Size :** 3,848 KB
Document Date: 4/1/2010 | **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: SITE ASSESSMENT REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2180487394/T0608164207.PDF

Document Type: Site Documents | **Size :**
Document Date: 7/2/2009 | **Submitted By:** CHARLES ICE (REGULATOR)
Type: STAFF LETTER | **Submitted:**
Title: RESOLUTION 2009-042 GW SAMPLING NOTIFICATION LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=6018926

Document Type: Site Documents | **Size :** 12,823 KB
Document Date: 12/4/2008 | **Submitted By:** LEIDOS (SAIC) (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: WORK PLAN FOR SITE ASSESSMENT (11/12/08)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3635814845/T0608164207.PDF

Document Type: Site Documents | **Size :**
Document Date: 11/21/2008 | **Submitted By:** CHARLES ICE (REGULATOR)
Type: STAFF LETTER | **Submitted:**
Title: LATERAL AND VERTICAL EXTENT DEFINITION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=5994166

Document Type: Site Documents | **Size :**
Document Date: 7/1/2008 | **Submitted By:** CHARLES ICE (REGULATOR)
Type: STAFF LETTER | **Submitted:**
Title: LATERAL AND VERTICAL EXTENT DEFINITION WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608164207&enforcement_id=5994154

70	1 of 2	WNW	0.23 / 1,221.03	29.00 / 8	CHIPOTLE MEXICAN GRILL 135 EL CAMINO REAL MILLBRAE CA 94107	CUPA SANMATEO

Facility ID: FA0031291

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
70	2 of 2	WNW	0.23 / 1,221.03	29.00 / 8	Chipotle Mexican Grill #934 135 EL CAMINO REAL MILLBRAE CA 94030	CUPA SANMATEO

Facility ID: FA0064742

Detail(s)

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Active, billable
Program Element: STORES HAZ MAT <219GAL,1,999LB, 879CF

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
71	1 of 1	NNE	0.24 / 1,244.14	9.18 / -12	CLARKS COIL LAUNDRY 1846 ROLLINS RD BURLINGAME CA 94010	DRYCLEANERS

EPA ID: CAC002676657
Create Date: 9/28/2011 11:35:01 AM
Facility Act Ind: No
Inact Date: 3/27/2012
Reason: Dry
Region Code: 2
DD Latitude: 37.59858
DD Longitude: -122.38075
Facility County Code: 41
Mail Name:
Owner Name: KELLY ALVORD
Owner Street 1: 1846 ROLLINS RD
Owner Street 2:
Owner City: BURLINGAME
Owner State: CA
Owner Zip: 94010
Owner Phone: 2069486406
Owner Fax:
Contact Name: JIM ALVORD
Contact Street 1: 1846 ROLLINS RD
Contact Street 2:
Contact City: BURLINGAME
Contact State: CA
Contact Zip: 94010
Contact Phone: 2069486406
Contact Fax:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
72	1 of 1	ENE	0.24 / 1,252.76	10.32 / -11	CITY OF BURLINGAME 1740 ROLLINS ROAD BURLINGAME CA 94010	EMISSIONS

2004 Criteria Data

Facility ID: 14476
Facility SIC Code: 9199
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .004
ROGT: .0033468
COT: .01
NOXT: .044
SOXT: .001
PMT: .004
PM10T: .003904

2004 Toxic Data

Facility ID: 14476
Facility SIC Code: 9199
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2005 Criteria Data

Facility ID: 14476
Facility SIC Code: 9199
CO: 41
CERR Code:
TOGT: .004
ROGT: .0033468

Air Basin:	SF	**COT:**	.01
District:	BA	**NOXT:**	.044
COID:	SM	**SOXT:**	.001
DISN:	BAY AREA AQMD	**PMT:**	.004
CHAPIS:		**PM10T:**	.003904

2005 Toxic Data

Facility ID:	14476	**COID:**	SM
Facility SIC Code:	9199	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	14476	**CERR Code:**	
Facility SIC Code:	9199	**TOGT:**	0
CO:	41	**ROGT:**	0
Air Basin:	SF	**COT:**	0
District:	BA	**NOXT:**	0
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2006 Toxic Data

Facility ID:	14476	**COID:**	SM
Facility SIC Code:	9199	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	14476	**CERR Code:**	
Facility SIC Code:	9199	**TOGT:**	0
CO:	41	**ROGT:**	0
Air Basin:	SF	**COT:**	0
District:	BA	**NOXT:**	0
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2007 Toxic Data

Facility ID:	14476	**COID:**	SM
Facility SIC Code:	9199	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2008 Criteria Data

Facility ID:	14476	***CERR Code:***	
Facility SIC Code:	9199	***TOGT:***	.002
CO:	41	***ROGT:***	.0016734
Air Basin:	SF	***COT:***	.004
District:	BA	***NOXT:***	.014
COID:	SM	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	.002
CHAPIS:		***PM10T:***	.001952

2008 Toxic Data

Facility ID:	14476	***COID:***	SM
Facility SIC Code:	9199	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	14476	***CERR Code:***	
Facility SIC Code:	9199	***TOGT:***	.002
CO:	41	***ROGT:***	.0016734
Air Basin:	SF	***COT:***	.004
District:	BA	***NOXT:***	.014
COID:	SM	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	.002
CHAPIS:		***PM10T:***	.001952

2009 Toxic Data

Facility ID:	14476	***COID:***	SM
Facility SIC Code:	9199	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	14476	***COID:***	SM
Facility SIC Code:	9199	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2011 Criteria Data

Facility ID:	14476	***CERR Code:***	

Facility SIC Code:	9199	**TOGT:**	0
CO:	41	**ROGT:**	0
Air Basin:	SF	**COT:**	.001
District:	BA	**NOXT:**	.002
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2011 Toxic Data

Facility ID:	14476	**COID:**	SM
Facility SIC Code:	9199	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2012 Criteria Data

Facility ID:	14476	**CERR Code:**	
Facility SIC Code:	9199	**TOGT:**	0
CO:	41	**ROGT:**	0
Air Basin:	SF	**COT:**	.001
District:	BA	**NOXT:**	.003
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2012 Toxic Data

Facility ID:	14476	**COID:**	SM
Facility SIC Code:	9199	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Criteria Data

Facility ID:	14476	**CERR Code:**	
Facility SIC Code:	9199	**TOGT:**	0
CO:	41	**ROGT:**	0
Air Basin:	SF	**COT:**	.001
District:	BA	**NOXT:**	.003
COID:	SM	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2013 Toxic Data

Facility ID:	14476	**COID:**	SM
Facility SIC Code:	9199	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			

Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2014 Criteria Data

Facility ID:	14476	**CERR Code:**	
Facility SIC Code:	9199	**TOGT:**	.000337772
CO:	41	**ROGT:**	
Air Basin:	SF	**COT:**	.00102
District:	BA	**NOXT:**	.004691783
COID:	SM	**SOXT:**	.000002175
DISN:	BAY AREA AQMD	**PMT:**	.000349264
CHAPIS:		**PM10T:**	.000335294

2014 Toxic Data

Facility ID:	14476	**COID:**	SM
Facility SIC Code:	9199	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2015 Criteria Data

Facility ID:	14476	**CERR Code:**	
Facility SIC Code:	9199	**TOGT:**	.000337772
CO:	41	**ROGT:**	.000328851
Air Basin:	SF	**COT:**	.00102
District:	BA	**NOXT:**	.004691783
COID:	SM	**SOXT:**	.000002175
DISN:	BAY AREA AQMD	**PMT:**	.000349264
CHAPIS:		**PM10T:**	.000335294

2015 Toxic Data

Facility ID:	14476	**COID:**	SM
Facility SIC Code:	9199	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Criteria Data

Facility ID:	14476	**CERR CODE:**	
Facility SIC Code:	9199	**TOGT:**	.000337772
CO:	41	**ROGT:**	.000296732702
Air Basin:	SF	**COT:**	.00102
District:	BA	**NOXT:**	.004691783
COID:	SM	**SOXT:**	.000002175
DISN:	BAY AREA AQMD	**PMT:**	.000349264
CHAPIS:		**PM10T:**	.000335294

2016 Toxic Data

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID:	14476	**TS:**	
Facility SIC Code:	9199	**HRA:**	
CERR CODE:		**CH Index:**	
COID:	SM	**AH Index:**	
CO:	41	**Air Basin:**	SF
DISN:	BAY AREA AQMD	**District:**	BA
CHAPIS:			

2018 Criteria Data

Facility ID:	14476	**CERR Code:**	
Facility SIC Code:	9199	**TOGT:**	.000132976
CO:	41	**ROGT:**	.000116819416
Air Basin:	SF	**COT:**	.0010626
District:	BA	**NOXT:**	.0046368
COID:	SM	**SOXT:**	.000002338
DISN:	BAY AREA AQMD	**PMT:**	. 00004935010060362173038229376257545271629779
CHAPIS:		**PM10T:**	.000049054

2018 Toxic Data

Facility ID:	14476	**COID:**	SM
Facility SIC Code:	9199	**DISN:**	BAY AREA AQMD
CO:	41	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

73	*1 of 2*	*NE*	*0.24 / 1,260.07*	*10.11 / -11*	***ROLLINS ROAD SCHOOL SITE*** ***1800 ROLLINS ROAD*** ***BURLINGAME CA 94010***	***SCH***

Estor/EPA ID:	70000117	**Permit Renewal Lead:**	
Site Code:	204165	**Project Manager:**	KAMILI SIGLOWIDE
Nat Priority List:	NO	**Supervisor:**	MARK MALINOWSKI
Acres:	1.7 ACRES	**Public Partici Spclst:**	
Special Program:		**Census Tract:**	6081605100
Funding:	SCHOOL DISTRICT	**County:**	SAN MATEO
Assembly District:	22	**Latitude:**	37.5981340663399
Senate District:	13	**Longitude:**	-122.379369048163

School District:	SAN MATEO COUNTY OFFICE OF EDUCATION SCHOOL DISTRICT
APN:	025169270
Cleanup Status:	INACTIVE - NEEDS EVALUATION AS OF 10/27/2005
Cleanup Oversight Agencies:	DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type:	SCHOOL
Office:	NORTHERN CALIFORNIA SCHOOLS & SANTA SUSANA
Past Use that Caused Contam:	NONE SPECIFIED
Potential Media Affected:	NONE SPECIFIED
Potential Contamin of Concern:	

NONE SPECIFIED

SITE HISTORY:

The site is located in a commercial/light industrial area. Project came in as Phase I and was withdrawn at request of District because DTSC's review was not mandatory.

Status:	INACTIVE - NEEDS EVALUATION
Program Type:	SCHOOL EVALUATION
CalEnviroScreen Score:	11-15%

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=70000117

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73 | **2 of 2** | **NE** | **0.24 / 1,260.07** | **10.11 / -11** | **ROLLINS ROAD SCHOOL SITE**
1800 ROLLINS ROAD
BURLINGAME CA 94010 | **ENVIROSTOR**

Estor/EPA ID:	70000117	**Assembly District:**	22
Site Code:	204165	**Senate District:**	13
Nat Priority List:	NO	**Permit Renewal Lead:**	
APN:	025169270	**Public Partici Spclst:**	
Census Tract:	6081605100	**Project Manager:**	KAMILI SIGLOWIDE
Site Type:	SCHOOL	**County:**	SAN MATEO
Address Description:	1800 ROLLINS ROAD	**Latitude:**	37.5981340663399
Office:	NORTHERN CALIFORNIA SCHOOLS & SANTA SUSANA	**Longitude:**	-122.379369048163
Special Program:		**Acres:**	1.7 ACRES
Funding:	SCHOOL DISTRICT	**Supervisor:**	MARK MALINOWSKI

Cleanup Status: INACTIVE - NEEDS EVALUATION AS OF 10/27/2005
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District: SAN MATEO COUNTY OFFICE OF EDUCATION SCHOOL DISTRICT
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

The site is located in a commercial/light industrial area. Project came in as Phase I and was withdrawn at request of District because DTSC's review was not mandatory.

Status: INACTIVE - NEEDS EVALUATION
A2 Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 11-15%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=70000117

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74 | **1 of 1** | **ENE** | **0.24 / 1,273.58** | **9.33 / -12** | **ROYAL ATHLETIC CLUB**
1718 ROLLINS
BURLINGAME CA 94010 | **CUPA SANMATEO**

Facility ID: FA0015015

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

---

75 | **1 of 4** | **WSW** | **0.25 / 1,294.01** | **51.31 / 30** | **BURLINGAME FAMILY HEALTH**
1820 OGDEN
BURLINGAME CA 94010 | **CUPA SANMATEO**

Facility ID: FA0026176

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Active, billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

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75 | **2 of 4** | **WSW** | **0.25 / 1,294.01** | **51.31 / 30** | **BIO REFERENCE LABORATORIES INC**
1820 OGDEN | **CUPA SANMATEO**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					BURLINGAME CA 94010	

Facility ID: FA0054704

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Inactive, non-billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

75	*3 of 4*	*WSW*	*0.25 / 1,294.01*	*51.31 / 30*	***BIO REFERENCE LABORATORIES INC*** ***1820 OGDEN*** ***BURLINGAME CA 94010***	***MED*** ***WST SANMATEO***

Facility ID: FA0054704
Record ID: PR0075425

Details

Status: INACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1820
Strt Addr: OGDEN

75	*4 of 4*	*WSW*	*0.25 / 1,294.01*	*51.31 / 30*	***BURLINGAME FAMILY HEALTH*** ***1820 OGDEN*** ***BURLINGAME CA 94010***	***MED*** ***WST SANMATEO***

Facility ID: FA0026176
Record ID: PR0037764

Details

Status: ACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp: 11/4/2018
Strt No: 1820
Strt Addr: OGDEN

76	*1 of 4*	*WSW*	*0.25 / 1,298.25*	*52.74 / 31*	***SUNRISE SENIOR LIVING*** ***1818 TROUSDALE*** ***BURLINGAME CA 94010***	***CUPA*** ***SANMATEO***

Facility ID: FA0059204

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Program Category: BUSINESS PLAN PROGRAM
Billing Status: Active, billable
Program Element: STORES MV FUELS OR WASTE ONLY

Program Category: HAZARDOUS WASTE PROGRAM
Billing Status: Active, billable
Program Element: GENERATES <27 GAL/YEAR

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
76	2 of 4	WSW	0.25 / 1,298.25	52.74 / 31	SUNRISE OF BURLINGAME 1818 TROUSDALE BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0064201

Detail(s)

Program Category: MEDICAL WASTE
Billing Status: Active, billable
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
76	3 of 4	WSW	0.25 / 1,298.25	52.74 / 31	SUNRISE SENIOR LIVING 1818 TROUSDALE DRIVE BURLINGAME CA 94010	EMISSIONS

2018 Criteria Data

Facility ID: 22738
Facility SIC Code: 8051
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .000996831
ROGT: .0008757160335
COT: .007279357
NOXT: .015709252
SOXT: .000041897
PMT: .001270296
PM10T: .001219485

2018 Toxic Data

Facility ID: 22738
Facility SIC Code: 8051
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
76	4 of 4	WSW	0.25 / 1,298.25	52.74 / 31	SUNRISE OF BURLINGAME 1818 TROUSDALE BURLINGAME CA 94010	MED WST SANMATEO

Facility ID: FA0064201
Record ID: PR0087023

Details

Status: ACTIVE
Program Element: SQG OFF-SITE TREATMENT (1-199 LB/MO)
Curr Insp:
Strt No: 1818
Strt Addr: TROUSDALE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
77	1 of 1	ENE	0.25 / 1,307.19	8.71 / -13	PRIME TIME ATHLETIC CLUB 1730 ROLLINS BURLINGAME CA 94010	CUPA SANMATEO

Facility ID: FA0008055

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Detail(s)

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Program Category: STORMWATER
Billing Status: Inactive, non-billable
Program Element: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Program Category: CALARP PROGRAM
Billing Status: Inactive, non-billable
Program Element: CALARP - GENERAL

78	1 of 1	NNW	0.28 / 1,466.57	10.62 / -11	DEVINCENZI METAL PRODUCTS 230 ADRIAN MILLBRAE CA 94030	LUST

Global ID: T0608100904
Status: COMPLETED - CASE CLOSED
Status Date: 5/23/2006
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.599250089
Longitude: -122.383916365

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41-0989
Local Case No: 990017
Begin Date: 5/7/1996
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: YES
Potential COC: Gasoline
How Discovered: Tank Closure
Stop Method: Close and Remove Tank
Stop Description:
Case Worker: BG
File Location: Local Agency Warehouse
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: RESPONSE
Date : 6/19/2006
Action: Electronic Reporting Submittal Due

Action Type: RESPONSE
Date : 6/19/2006
Action: NPDES / WDR Reports

Action Type: ENFORCEMENT
Date : 5/23/2006
Action: Closure/No Further Action Letter - #20060523

Action Type: ENFORCEMENT
Date : 4/18/2006
Action: Staff Letter - #20060418

Action Type: RESPONSE
Date : 4/17/2006
Action: Unknown

Action Type: ENFORCEMENT
Date : 1/30/2006

Action: Staff Letter - #20060130

Action Type: RESPONSE
Date : 7/5/2005
Action: Other Report / Document

Action Type: ENFORCEMENT
Date : 4/11/2005
Action: Staff Letter - #20050411

Action Type: RESPONSE
Date : 4/11/2005
Action: Other Report / Document

Action Type: ENFORCEMENT
Date : 1/5/2005
Action: Staff Letter - #20050105

Action Type: RESPONSE
Date : 6/25/2004
Action: Other Report / Document

Action Type: ENFORCEMENT
Date : 4/27/2004
Action: Staff Letter - #20040427

Action Type: RESPONSE
Date : 10/7/2003
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 5/7/2003
Action: Staff Letter - #20030507

Action Type: REMEDIATION
Date : 5/7/1996
Action:

Action Type: ENFORCEMENT
Date : 5/7/1996
Action: Notice of Responsibility - #1

Action Type: Other
Date : 5/7/1996
Action: Leak Discovery

Action Type: Other
Date : 5/7/1996
Action: Leak Reported

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone No:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 5/23/2006

Status: Open - Site Assessment
Status Date: 6/20/1996

Status: Open - Case Begin Date
Status Date: 5/7/1996

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: DEVINCENZI METAL PRODUCTS
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig: C
CUF Amount Paid: $48,319
Potential COC: GASOLINE
Facility Type:
Composting Method:
Address: 230 ADRIAN
City: MILLBRAE
Zip: 94030
County: SAN MATEO
CUF Claim: 12451
File Location: LOCAL AGENCY WAREHOUSE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608100904
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 5/23/2006
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608100904&tabname=regulatoryhistory
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 990017
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0989
CASEWORKER: Regional Water Board
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 5/23/2006

Status: Open - Site Assessment
Date : 6/20/1996

Status: Open - Case Begin Date
Date : 5/7/1996

LUST Sites from GeoTracker Search - Cleanup Action Report (as of Feb 27, 2021)

Action Type: UNKNOWN
Phase:
Contaminant Mass Removed:
Description:
Begin Date: 5/7/1996
End Date: 5/7/1996

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Response Requested - Reports
Action Date: 6/19/2006
Received Issue Date: 5/1/2006
Action: NPDES / WDR Reports

Doc Link:
Title Description Comments:

Waste Discharge Report - Submit manifest

Action Type: Response Requested - Other
Action Date: 6/19/2006
Received Issue Date: 5/1/2006
Action: Electronic Reporting Submittal Due
Doc Link:
Title Description Comments:

Electronic Reporting Submittal Due - Upload Geotracker files

Action Type: Other Regulatory Actions
Action Date: 5/23/2006
Received Issue Date: 5/23/2006
Action: Closure/No Further Action Letter - #20060523
Doc Link:
Title Description Comments:

CASE CLOSURE LETTER

Action Type: Other Regulatory Actions
Action Date: 4/18/2006
Received Issue Date: 4/18/2006
Action: Staff Letter - #20060418
Doc Link:
Title Description Comments:

Submit manifest and upload Geotracker files

Action Type: Response Requested - Other
Action Date: *4/17/2006
Received Issue Date: 4/12/2006
Action: Unknown
Doc Link:
Title Description Comments:

Well Destruction Report - Well Destruction Report

Action Type: Other Regulatory Actions
Action Date: 1/30/2006
Received Issue Date: 1/30/2006
Action: Staff Letter - #20060130
Doc Link:
Title Description Comments:

Destroy MWs

Action Type: Response Requested - Other
Action Date: 7/5/2005
Received Issue Date: 4/19/2005
Action: Other Report / Document
Doc Link:
Title Description Comments:

Other Type of Submission by RP - Submit corrected lab result tables (no official due date was set)

Action Type: Other Regulatory Actions
Action Date: 4/11/2005
Received Issue Date: 4/11/2005
Action: Staff Letter - #20050411

Doc Link:
Title Description Comments:

Submit corrected lab result tables

Action Type: Response Requested - Other
Action Date: 4/11/2005
Received Issue Date: 1/24/2005
Action: Other Report / Document
Doc Link:
Title Description Comments:

Other Type of Submission by RP - Submit accurate receptor survey figure

Action Type: Other Regulatory Actions
Action Date: 1/5/2005
Received Issue Date: 1/5/2005
Action: Staff Letter - #20050105
Doc Link:
Title Description Comments:

Submit properly scaled receptor survey figure

Action Type: Response Requested - Other
Action Date: 6/25/2004
Received Issue Date: 6/24/2004
Action: Other Report / Document
Doc Link:
Title Description Comments:

Additional Information Report - Submit data on Bench Mark and properly scaled figure, revise utility survey, correct tables

Action Type: Other Regulatory Actions
Action Date: 4/27/2004
Received Issue Date: 4/27/2004
Action: Staff Letter - #20040427
Doc Link:
Title Description Comments:

Submit data on Bench Mark and properly scaled figure, revise utility survey, correct tables

Action Type: Response Requested - Reports
Action Date: 10/7/2003
Received Issue Date: 1/14/2004
Action: Soil and Water Investigation Report
Doc Link:
Title Description Comments:

Soil and Water Investigation Report

Action Type: Other Regulatory Actions
Action Date: 5/7/2003
Received Issue Date: 5/7/2003
Action: Staff Letter - #20030507
Doc Link:
Title Description Comments:

Implement work plan

Action Type: Notices
Action Date: 5/7/1996
Received Issue Date: 5/7/1996
Action: Notice of Responsibility - #1

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 5/7/1996
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 5/7/1996
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 5/7/1996
Received Issue Date:
Action:
Doc Link:
Title Description Comments:

LUST Sites from GeoTracker Search - Site Maps (as of Feb 27, 2021)

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/6666852653/T0608100904.pdf
Size : 125 KB
Submitted By: TEC ACCUTITE (AUTH_RP)
Submitted: 4/18/2006

LUST Sites from GeoTracker Search - Documents (as of Feb 27, 2021)

Document Type: Site Documents
Document Date: 5/1/2006
Type: REPORTS - OTHER
Title: SENSITIVE RECEPTOR SURVEY - SCALE CORRECTION OF THE SENSITIVE RECEPTOR SURVEY FIGURE
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3972401499/T0608100904.PDF
Size : 135 KB
Submitted By: TEC ACCUTITE (AUTH_RP)
Submitted:

Document Type: Site Documents
Document Date: 5/1/2006
Type: CORRESPONDENCE - OTHER
Title: DISPOSAL MANIFEST FOR WASTE GENERATED DURING APRIL 3, 2006 MONITORING WELL CLOSURES
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2507978141/T0608100904.PDF
Size : 78 KB
Submitted By: TEC ACCUTITE (AUTH_RP)
Submitted:

Document Type: Site Documents
Document Date: 4/20/2006
Type: CORRESPONDENCE - OTHER
Title: UPDATE AND CORRECTION OF TABLES
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7315183341/T0608100904.PDF
Size : 3,558 KB
Submitted By: TEC ACCUTITE (AUTH_RP)
Submitted:

Document Type: Site Documents
Document Date: 4/12/2006
Type: REPORTS - OTHER
Title: MONITORING WELL ABANDONMENT REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5615049600/T0608100904.PDF
Size : 1,228 KB
Submitted By: TEC ACCUTITE (AUTH_RP)
Submitted:

79	1 of 1	N	0.29 / 1,519.24	9.69 / -12	**GARRATT CALLAHAN COMPANY** **111 ROLLINS RD** **MILLBRAE CA 94030**	LUST

Global ID: T0608100728
Status: COMPLETED - CASE CLOSED
Status Date: 1/26/1995
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.599465
Longitude: -122.382173

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41-0769
Local Case No: 41-RWQCB
Begin Date: 8/10/1993
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency: SAN MATEO COUNTY LOP
CUF Case: NO
Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:
Potential COC: Gasoline
How Discovered: Tank Closure
Stop Method:
Stop Description:
Case Worker:
File Location:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: Other
Date : 10/6/1993
Action: Leak Reported

Action Type: Other
Date : 8/11/1993
Action: Leak Stopped

Action Type: Other
Date : 8/10/1993
Action: Leak Discovery

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 1/26/1995

Status: Open - Case Begin Date
Status Date: 8/10/1993

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: GARRATT CALLAHAN COMPANY
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig:
CUF Amount Paid:
Potential COC: GASOLINE
Facility Type:
Composting Method:
Address: 111 ROLLINS RD
City: MILLBRAE
Zip: 94030
County: SAN MATEO
CUF Claim:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

File Location:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608100728
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 1/26/1995
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608100728&tabname=regulatoryhistory
Potential Media of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 41-0769
SAN MATEO COUNTY LOP - CASE #: 41-RWQCB
CASEWORKER: BRIAN GWINN
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 1/26/1995

Status: Open - Case Begin Date
Date : 8/10/1993

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Leak Action
Action Date: 10/6/1993
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 8/11/1993
Received Issue Date:
Action: Leak Stopped
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 8/10/1993
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
80	1 of 1	W	0.30 / 1,560.78	51.59 / 30	CALIFORNIA PACIFIC PROPERTIES, LLC 1801 MURCHISON SUITE # 310 BURLINGAME CA 94010	RCRA TSD

EPA Handler ID: CAC003012171
Gen Status Universe: No Report
Contact Name: KENT PEARSE
Contact Address: 1801 MURCHISON , SUITE # 310 , BURLINGAME , CA, 94010 ,
Contact Phone No and Ext: 650-222-7700

Contact Email:	KPEARSE@CALPACSF.COM
Contact Country:	
Land Type:	
County Name:	SAN MATEO
EPA Region:	09
Receive Date:	20190426
Location Latitude:	37.593702
Location Longitude:	-122.38812

Violation/Evaluation Summary

Note:	NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Smelting, Melting and Refining:	No
Underground Injection Control:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190426
Handler Name:	CALIFORNIA PACIFIC PROPERTIES, LLC
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	1801 MURCHISON
Name:	KENT PEARSE	**Street 2:**	SUITE # 310
Date Became Current:		**City:**	BURLINGAME
Date Ended Current:		**State:**	CA
Phone:	650-222-7700	**Country:**	
Source Type:	Implementer	**Zip Code:**	94010

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1801 MURCHISON
Name:	KENT PEARSE	**Street 2:**	SUITE # 310
Date Became Current:		**City:**	BURLINGAME
Date Ended Current:		**State:**	CA
Phone:	650-222-7700	**Country:**	
Source Type:	Implementer	**Zip Code:**	94010

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
81	1 of 2	E	0.30 / 1,574.32	8.74 / -13	TRAFFIC INTERNATIONAL CORP. 1660 ROLLINS RD BURLINGAME CA	LOP SANMATEO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Case No: 660045
APN: 025262250
Case Type: O- Other Groundwater affected (uses other than drinking water)
Global ID: T0608100549

LUST Status

Status: 9- Case Closed

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
81	2 of 2	E	0.30 / 1,574.32	8.74 / -13	TRAFFIC INTERNATIONAL CORP. 1660 ROLLINS BURLINGAME CA 94010	LUST

Global ID: T0608100549
Status: COMPLETED - CASE CLOSED
Status Date: 10/4/2002
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.596164
Longitude: -122.375562

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41-0575
Local Case No: 660045
Begin Date: 8/29/1990
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: YES
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:
Potential COC: Gasoline
How Discovered: Other Means
Stop Method: Other Means
Stop Description:
Case Worker: BG
File Location: Local Agency

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 9/25/1990
Action: Notice of Responsibility - #1

Action Type: Other
Date : 8/29/1990
Action: Leak Reported

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone No:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 10/4/2002

Status: Open - Case Begin Date
Status Date: 8/29/1990

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: TRAFFIC INTERNATIONAL CORP.
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig: B
CUF Amount Paid: $12,636
Potential COC: GASOLINE
Facility Type:
Composting Method:
Address: 1660 ROLLINS
City: BURLINGAME
Zip: 94010
County: SAN MATEO
CUF Claim: 6450
File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608100549
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 10/4/2002
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608100549&tabname=regulatoryhistory
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 660045
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0575
CASEWORKER: Regional Water Board
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 10/4/2002

Status: Open - Case Begin Date
Date : 8/29/1990

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Notices
Action Date: 9/25/1990
Received Issue Date: 9/25/1990
Action: Notice of Responsibility - #1
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 8/29/1990
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
82	1 of 1	NNE	0.32 / 1,713.63	8.59 / -13	CATERAIR INTERNATIONAL 50 ADRIAN BURLINGAME CA 94010	LUST

Global ID: T0608100693
Status: COMPLETED - CASE CLOSED
Status Date: 1/15/1995
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download

County: SAN MATEO
Latitude: 37.599562
Longitude: -122.380284

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41-0733
Local Case No: 660064
Begin Date: 3/5/1993
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: NO
Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:

Potential COC: Gasoline
How Discovered: Other Means
Stop Method: Other Means
Stop Description:
Case Worker: BG
File Location: Local Agency

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 4/20/1993
Action: Notice of Responsibility - #1

Action Type: Other
Date : 3/10/1993
Action: Leak Reported

Action Type: Other
Date : 3/5/1993
Action: Leak Discovery

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone No:

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 1/15/1995

Status: Open - Case Begin Date
Status Date: 3/5/1993

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name:	CATERAIR INTERNATIONAL	**Potential COC:**	GASOLINE
Site Facility Type:	LUST CLEANUP SITE	**Facility Type:**	
Cleanup Status:	COMPLETED - CASE CLOSED	**Composting Method:**	
Project Status:		**Address:**	50 ADRIAN
WDR Place Type:		**City:**	BURLINGAME
WDR File:		**Zip:**	94010
WDR Order:		**County:**	SAN MATEO
CUF Priority Assig:		**CUF Claim:**	
CUF Amount Paid:			

File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608100693
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 1/15/1995
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608100693&tabname=regulatoryhistory
Potential Media of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 660064
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0733
CASEWORKER: Regional Water Board
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 1/15/1995

Status: Open - Case Begin Date
Date : 3/5/1993

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Notices
Action Date: 4/20/1993
Received Issue Date: 4/20/1993
Action: Notice of Responsibility - #1
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 3/10/1993
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 3/5/1993
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
83	1 of 2	E	0.33 / 1,737.32	10.72 / -11	HIRAM WALKER 1645 ROLLINS RD BURLINGAME CA	LOP SANMATEO

Case No: 660044
APN: 025280440
Case Type: O- Other Groundwater affected (uses other than drinking water)
Global ID: T0608100259

LUST Status

Status: 9- Case Closed

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
83	2 of 2	E	0.33 / 1,737.32	10.72 / -11	HIRAM WALKER 1645 ROLLINS BURLINGAME CA 94010	LUST

Global ID: T0608100259
Status: COMPLETED - CASE CLOSED
Status Date: 1/27/1998
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.5949077979204
Longitude: -122.37500786201

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41-0272
Local Case No: 660044
Begin Date: 8/29/1990
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: NO
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:
Potential COC: Gasoline
How Discovered: Other Means
Stop Method: Other Means
Stop Description:
Case Worker: BG
File Location: Local Agency

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 1/27/1998
Action: Closure/No Further Action Letter - #19980127

Action Type: REMEDIATION
Date : 10/30/1990
Action: Excavation

Action Type: ENFORCEMENT
Date : 9/26/1990
Action: Notice of Responsibility - #1

Action Type: Other
Date : 9/12/1990
Action: Leak Discovery

Action Type: Other
Date : 8/29/1990
Action: Leak Reported

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone No:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 1/27/1998

Status: Open - Case Begin Date
Status Date: 8/29/1990

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: HIRAM WALKER
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig:
CUF Amount Paid:
Potential COC: GASOLINE
Facility Type:
Composting Method:
Address: 1645 ROLLINS
City: BURLINGAME
Zip: 94010
County: SAN MATEO
CUF Claim:
File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608100259
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 1/27/1998
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608100259&tabname=regulatoryhistory
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 660044
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0272
CASEWORKER: Regional Water Board
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 1/27/1998

Status: Open - Case Begin Date
Date : 8/29/1990

LUST Sites from GeoTracker Search - Cleanup Action Report (as of Feb 27, 2021)

Action Type: EXCAVATION
Begin Date: 10/30/1990

Phase: ***End Date:*** 1/23/1998
Contaminant Mass Removed:
Description:

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Other Regulatory Actions
Action Date: 1/27/1998
Received Issue Date: 1/27/1998
Action: Closure/No Further Action Letter - #19980127
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100259&enforcement_id=6452382&temptable=ENFORCEMENT
Title Description Comments:

Case closure letter

Action Type: Notices
Action Date: 9/26/1990
Received Issue Date: 9/26/1990
Action: Notice of Responsibility - #1
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 10/30/1990
Received Issue Date:
Action: Excavation
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 9/12/1990
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 8/29/1990
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

LUST Sites from GeoTracker Search - Documents (as of Feb 27, 2021)

Document Type: Site Documents ***Size :***
Document Date: 1/27/1998 ***Submitted By:*** BRIAN GWINN (REGULATOR)
Type: CLOSURE/NO FURTHER ACTION LETTER ***Submitted:***
Title: CASE CLOSURE LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100259&enforcement_id=6452382

84	*1 of 2*	*W*	*0.33 / 1,753.41*	*67.07 / 46*	***MILLS HIGH SCHOOL 400 MURCHISON DR MILLBRAE CA***	***LOP SANMATEO***

Case No: 990020
APN: 024320070
Case Type: S- Soil only affected
Global ID: T0608101091

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

LUST Status

Status: 9- Case Closed

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84 | ***2 of 2*** | ***W*** | ***0.33 / 1,753.41*** | ***67.07 / 46*** | ***MILLS HIGH SCHOOL
400 MURCHISON
MILLBRAE CA 94030*** | ***LUST***

Global ID: T0608101091
Status: COMPLETED - CASE CLOSED
Status Date: 1/12/1998
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.595192
Longitude: -122.390227

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41-1194
Local Case No: 990020
Begin Date: 12/22/1988
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: NO
Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:
Potential COC: Diesel
How Discovered: Other Means
Stop Method: Other Means
Stop Description:
Case Worker: BG
File Location: Local Agency

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 10/2/1997
Action: Notice of Responsibility - #1

Action Type: Other
Date : 12/22/1988
Action: Leak Discovery

Action Type: Other
Date : 12/22/1988
Action: Leak Reported

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone No:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 1/12/1998

Status: Open - Case Begin Date

Status Date: 12/22/1988

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: MILLS HIGH SCHOOL
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig:
CUF Amount Paid:
Potential COC: DIESEL
Facility Type:
Composting Method:
Address: 400 MURCHISON
City: MILLBRAE
Zip: 94030
County: SAN MATEO
CUF Claim:

File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608101091
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 1/12/1998
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608101091&tabname=regulatoryhistory
Potential Media of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 990020
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-1194
CASEWORKER: Regional Water Board
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 1/12/1998

Status: Open - Case Begin Date
Date : 12/22/1988

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Notices
Action Date: 10/2/1997
Received Issue Date: 10/2/1997
Action: Notice of Responsibility - #1
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 12/22/1988
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 12/22/1988
Received Issue Date:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action: Leak Reported
Doc Link:
Title Description Comments:

85	1 of 2	NNW	0.33 / 1,755.71	8.85 / -12	THRIFTY RENT-A-CAR 20 E ROLLINS RD MILLBRAE CA	LOP SANMATEO

Case No: 990010
APN: 024353020
Case Type: O- Other Groundwater affected (uses other than drinking water)
Global ID: T0608100799

LUST Status

Status: 9- Case Closed

85	2 of 2	NNW	0.33 / 1,755.71	8.85 / -12	THRIFTY RENT-A-CAR 20 E ROLLINS RD MILLBRAE CA	LOP SANMATEO

Case No: 990029
APN: 024353020
Case Type: O- Other Groundwater affected (uses other than drinking water)
Global ID: T0608179893

LUST Status

Status: 9- Case Closed

86	1 of 2	NNW	0.35 / 1,841.07	7.99 / -13	SHELL OIL 10 ROLLINS RD MILLBRAE CA	LOP SANMATEO

Case No: 990014
APN: 024353090
Case Type: O- Other Groundwater affected (uses other than drinking water)
Global ID: T0608101088

LUST Status

Status: 9- Case Closed

86	2 of 2	NNW	0.35 / 1,841.07	7.99 / -13	SHELL OIL 10 ROLLINS MILLBRAE CA 94030	LUST

Global ID: T0608101088
Status: COMPLETED - CASE CLOSED
Status Date: 9/19/2001
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.599595
Longitude: -122.384541

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41-4054
Local Case No: 990014
Begin Date: 2/9/1994
Lead Agency: SAN MATEO COUNTY LOP
Potential COC: Gasoline
How Discovered: Other Means
Stop Method: Other Means
Stop Description:

Local Agency: SAN MATEO COUNTY LOP
Case Worker: BG
CUF Case: NO
File Location: Local Agency Warehouse
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 4/13/1994
Action: Notice of Responsibility - #1

Action Type: Other
Date : 2/9/1994
Action: Leak Reported

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Address: 2000 Alameda de las Pulgas, Suite 100
Contact Name: BRIAN GWINN
Email: bgwinn@smcgov.org
City: SAN MATEO
Phone No: 6502724590
Organization Name: SAN MATEO COUNTY LOP

Contact Type: Regional Board Caseworker
Address: 1515 CLAY ST SUITE 1400
Contact Name: Regional Water Board
Email:
City: OAKLAND
Phone No:
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 9/19/2001

Status: Open - Case Begin Date
Status Date: 2/9/1994

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: SHELL OIL
Potential COC: GASOLINE
Site Facility Type: LUST CLEANUP SITE
Facility Type:
Cleanup Status: COMPLETED - CASE CLOSED
Composting Method:
Project Status:
Address: 10 ROLLINS
WDR Place Type:
City: MILLBRAE
WDR File:
Zip: 94030
WDR Order:
County: SAN MATEO
CUF Priority Assig:
CUF Claim:
CUF Amount Paid:
File Location: LOCAL AGENCY WAREHOUSE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608101088
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 9/19/2001
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608101088&tabname=regulatoryhistory
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 990014

CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-4054
CASEWORKER: Regional Water Board

Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 9/19/2001

Status: Open - Case Begin Date
Date : 2/9/1994

LUST Sites from GeoTracker Search - Cleanup Action Report (as of Feb 27, 2021)

Action Type: UNKNOWN
Phase:
Contaminant Mass Removed:
Description:
Begin Date: 1/1/1965
End Date: 1/1/1965

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Notices
Action Date: 4/13/1994
Received Issue Date: 4/13/1994
Action: Notice of Responsibility - #1
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 2/9/1994
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

LUST Sites from GeoTracker Search - Site Maps (as of Feb 27, 2021)

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5692914664/T0608101088.pdf
Size : 334 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 2/14/2002

87	1 of 1	NW	0.36 / 1,897.55	21.62 / 0	BCBM 200 E MILLBRAE AVE MILLBRAE CA	LOP SANMATEO

Case No: 990013
APN: 024180270
Case Type: O- Other Groundwater affected (uses other than drinking water)
Global ID: T0608100768

LUST Status

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Status:	9- Case Closed					

88	1 of 1	NNW	0.37 / 1,928.19	11.59 / -10	BCBM 200 EAST MILLBRAE AVENUE MILLBRAE CA 94030	LUST

Global ID: T0608100768
Status: COMPLETED - CASE CLOSED
Status Date: 3/18/1996
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.5998601
Longitude: -122.3852482

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41-0819
Local Case No: 990013
Begin Date: 2/23/1994
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: YES
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:
Potential COC: Gasoline
How Discovered: Other Means
Stop Method: Other Means
Stop Description:
Case Worker: BG
File Location: Local Agency Warehouse

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 4/13/1994
Action: Notice of Responsibility - #1

Action Type: Other
Date : 2/23/1994
Action: Leak Reported

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone No:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 3/18/1996

Status: Open - Case Begin Date
Status Date: 2/23/1994

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: BCBM
Potential COC: GASOLINE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig: C
CUF Amount Paid: $65,912
Facility Type:
Composting Method:
Address: 200 EAST MILLBRAE AVENUE
City: MILLBRAE
Zip: 94030
County: SAN MATEO
CUF Claim: 9938
File Location: LOCAL AGENCY WAREHOUSE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608100768
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 3/18/1996
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608100768&tabname=regulatoryhistory
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 990013
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0819
CASEWORKER: Regional Water Board
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 3/18/1996

Status: Open - Case Begin Date
Date : 2/23/1994

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Notices
Action Date: 4/13/1994
Received Issue Date: 4/13/1994
Action: Notice of Responsibility - #1
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 2/23/1994
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

89	1 of 1	NNW	0.37 / 1,940.34	10.38 / -11	HERTZ 300 E MILLBRAE AVE MILLBRAE CA	LOP SANMATEO

Case No: 990008
APN: 024180300
Case Type: O- Other Groundwater affected (uses other than drinking water)
Global ID: T0608100256

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

LUST Status

Status: 9- Case Closed

90	1 of 1	NNW	0.37 / 1,956.43	10.05 / -11	HERTZ 300 EAST MILLBRAE AVENUE MILLBRAE CA 94030	LUST

Global ID: T0608100256
Status: COMPLETED - CASE CLOSED
Status Date: 7/19/2001
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.6007469801333
Longitude: -122.384586908521

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41-0269
Local Case No: 990008
Begin Date: 5/15/1989
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: YES
Potential COC: Gasoline
How Discovered: Other Means
Stop Method: Other Means
Stop Description:
Case Worker: BG
File Location: Local Agency Warehouse
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 11/29/1989
Action: Notice of Responsibility - #1

Action Type: Other
Date : 7/31/1989
Action: Leak Discovery

Action Type: Other
Date : 5/15/1989
Action: Leak Reported

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone No:

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 7/19/2001

Status: Open - Case Begin Date
Status Date: 5/15/1989

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: HERTZ
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig: D
CUF Amount Paid: $27,258
Potential COC: GASOLINE
Facility Type:
Composting Method:
Address: 300 EAST MILLBRAE AVENUE
City: MILLBRAE
Zip: 94030
County: SAN MATEO
CUF Claim: 4196
File Location: LOCAL AGENCY WAREHOUSE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608100256
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 7/19/2001
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608100256&tabname=regulatoryhistory
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 990008
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0269
CASEWORKER: Regional Water Board
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 7/19/2001

Status: Open - Case Begin Date
Date : 5/15/1989

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Notices
Action Date: 11/29/1989
Received Issue Date: 11/29/1989
Action: Notice of Responsibility - #1
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 7/31/1989
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action Date: 5/15/1989
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

91	1 of 2	E	0.38 / 2,022.49	9.80 / -12	SAN FRANCISCO NEWSPAPER AGENCY 1626 ROLLINS RD BURLINGAME CA	LOP SANMATEO

Case No: 660021
APN: 025262460
Case Type: O- Other Groundwater affected (uses other than drinking water)
Global ID: T0608100443

LUST Status

Status: 9- Case Closed

91	2 of 2	E	0.38 / 2,022.49	9.80 / -12	SAN FRANCISCO NEWSPAPER AGENCY 1626 ROLLINS BURLINGAME CA 94010	LUST

Global ID: T0608100443
Status: COMPLETED - CASE CLOSED
Status Date: 11/27/2002
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.595711
Longitude: -122.374623

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41-0467
Local Case No: 660021
Begin Date: 9/16/1985
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: YES
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:
Potential COC: Waste Oil / Motor / Hydraulic / Lubricating
How Discovered: Other Means
Stop Method: Other Means
Stop Description:
Case Worker: BG
File Location: Local Agency

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 3/20/1990
Action: Notice of Responsibility - #1

Action Type: Other
Date : 2/7/1986
Action: Leak Reported

Action Type: Other
Date : 9/16/1985
Action: Leak Discovery

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone No:

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 11/27/2002

Status: Open - Case Begin Date
Status Date: 9/16/1985

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: SAN FRANCISCO NEWSPAPER AGENCY
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig: D
CUF Amount Paid: $66,230
Potential COC: WASTE OIL / MOTOR / HYDRAULIC / LUBRICATING
Facility Type:
Composting Method:
Address: 1626 ROLLINS
City: BURLINGAME
Zip: 94010
County: SAN MATEO
CUF Claim: 4128
File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608100443
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 11/27/2002
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608100443&tabname=regulatoryhistory
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 660021
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0467
CASEWORKER: Regional Water Board
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 11/27/2002

Status: Open - Case Begin Date
Date : 9/16/1985

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Notices
Action Date: 3/20/1990
Received Issue Date: 3/20/1990
Action: Notice of Responsibility - #1
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 2/7/1986
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 9/16/1985
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

92	1 of 4	NW	0.38 / 2,024.51	31.97 / 11	UNOCAL #3676 5 EL CAMINO REAL MILLBRAE CA	LOP SANMATEO

Case No: 990028
APN: 024334130
Case Type: S- Soil only affected
Global ID: T0608100584

LUST Status

Status: 5C- Pollution Characterization

92	2 of 4	NW	0.38 / 2,024.51	31.97 / 11	UNOCAL STATION #3676 5 EL CAMINO REAL MILLBRAE CA 94030	LUST

Global ID: T0608100584
Status: OPEN - REMEDIATION
Status Date: 6/11/2013
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.5984917151519
Longitude: -122.387889772654

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41-0612
Local Case No: 990028
Begin Date: 2/25/1997
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: NO
Potential COC: Gasoline
How Discovered: UST System Modification, Visual
Stop Method: Other Means
Stop Description:
Case Worker: BG
File Location: Local Agency
Potential Media of Concern: Other Groundwater (uses other than drinking water), Soil, Soil Vapor
How Discovered Description: Piping Removal
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:

A summary of historical site investigation and remediation activities prior to January 2015 can be found in Stantec's revised remedial action plan dated 11/30/12. A summary of the dual-phase extraction (DPE) remediation system construction can be found in Stantec's remedial system installation and startup report dated 5/13/16. A summary of Stantec's remediation efforts at the site (DPE system operation) through the end of the third quarter 2017 can be found in Stantec's Quarterly Status Report, Third Quarter 2017 dated 11/15/17). Additional history can be extracted from most recent report in Geotracker or at San Mateo County offices if submitted prior to 2005. San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in reports.

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: RESPONSE
Date : 2/15/2021
Action: Remedial Progress Report

Action Type: ENFORCEMENT
Date : 12/16/2020
Action: Staff Letter - #20201216

Action Type: RESPONSE
Date : 11/15/2020
Action: Remedial Progress Report - Regulator Responded

Action Type: ENFORCEMENT
Date : 10/27/2020
Action: Email Correspondence - #20201027

Action Type: RESPONSE
Date : 8/15/2020
Action: Remedial Progress Report - Regulator Responded

Action Type: RESPONSE
Date : 8/7/2020
Action: Correspondence

Action Type: ENFORCEMENT
Date : 7/16/2020
Action: Email Correspondence - #20200716

Action Type: RESPONSE
Date : 5/15/2020
Action: Remedial Progress Report - Regulator Responded

Action Type: ENFORCEMENT
Date : 5/12/2020
Action: Email Correspondence - #20200512

Action Type: ENFORCEMENT
Date : 4/8/2020
Action: Staff Letter - #20200408

Action Type: RESPONSE
Date : 2/15/2020
Action: Remedial Progress Report - Regulator Responded

Action Type: REMEDIATION
Date : 2/6/2020
Action: Dual Phase Extraction

Action Type: ENFORCEMENT
Date : 12/10/2019
Action: Staff Letter - #20191210

Action Type: RESPONSE
Date : 11/15/2019
Action: Remedial Progress Report - Regulator Responded

Action Type: RESPONSE
Date : 11/8/2019

Action: Remedial Progress Report

Action Type: RESPONSE
Date : 10/25/2019
Action: Remedial Progress Report

Action Type: RESPONSE
Date : 10/11/2019
Action: Remedial Progress Report

Action Type: RESPONSE
Date : 9/13/2019
Action: Remedial Progress Report

Action Type: RESPONSE
Date : 8/30/2019
Action: Remedial Progress Report

Action Type: RESPONSE
Date : 8/15/2019
Action: Remedial Progress Report

Action Type: RESPONSE
Date : 6/25/2019
Action: Email Correspondence

Action Type: ENFORCEMENT
Date : 6/18/2019
Action: Staff Letter - #20190618

Action Type: RESPONSE
Date : 5/15/2019
Action: Remedial Progress Report - Regulator Responded

Action Type: ENFORCEMENT
Date : 4/9/2019
Action: Staff Letter - #20190409

Action Type: RESPONSE
Date : 3/22/2019
Action: Correspondence - Regulator Responded

Action Type: ENFORCEMENT
Date : 2/26/2019
Action: Staff Letter - #20190226

Action Type: RESPONSE
Date : 2/15/2019
Action: Remedial Progress Report - Regulator Responded

Action Type: RESPONSE
Date : 11/15/2018
Action: Remedial Progress Report

Action Type: ENFORCEMENT
Date : 9/24/2018
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Action Type: REMEDIATION
Date : 9/18/2018
Action: Dual Phase Extraction

Action Type: ENFORCEMENT
Date : 9/4/2018
Action: Staff Letter - #20180904

Action Type: RESPONSE
Date : 8/15/2018
Action: Remedial Progress Report - Regulator Responded

Action Type: REMEDIATION
Date : 6/11/2018
Action: Dual Phase Extraction

Action Type: RESPONSE
Date : 5/15/2018
Action: Remedial Progress Report

Action Type: ENFORCEMENT
Date : 4/3/2018
Action: Staff Letter - #20180403

Action Type: REMEDIATION
Date : 3/28/2018
Action: Dual Phase Extraction

Action Type: RESPONSE
Date : 2/15/2018
Action: Remedial Progress Report - Regulator Responded

Action Type: ENFORCEMENT
Date : 1/8/2018
Action: Staff Letter - #20180108

Action Type: REMEDIATION
Date : 12/19/2017
Action: Dual Phase Extraction

Action Type: RESPONSE
Date : 11/15/2017
Action: Pilot Study/ Treatability Report

Action Type: RESPONSE
Date : 11/15/2017
Action: Remedial Progress Report - Regulator Responded

Action Type: ENFORCEMENT
Date : 11/14/2017
Action: Staff Letter - #20171114

Action Type: REMEDIATION
Date : 9/26/2017
Action: Dual Phase Extraction

Action Type: RESPONSE
Date : 8/15/2017
Action: Remedial Progress Report - Regulator Responded

Action Type: REMEDIATION
Date : 8/9/2017
Action: Dual Phase Extraction

Action Type: REMEDIATION
Date : 6/14/2017
Action: Dual Phase Extraction

Action Type: RESPONSE
Date : 5/15/2017
Action: Monitoring Report - Semi-Annually

Action Type: REMEDIATION
Date : 5/10/2017
Action: Dual Phase Extraction

Action Type: ENFORCEMENT
Date : 4/24/2017
Action: Staff Letter - #20170424

Action Type: REMEDIATION
Date : 3/30/2017
Action: Dual Phase Extraction

Action Type: RESPONSE
Date : 2/15/2017
Action: Remedial Progress Report

Action Type: REMEDIATION
Date : 2/8/2017
Action: Dual Phase Extraction

Action Type: RESPONSE
Date : 12/30/2016
Action: Well Installation Report

Action Type: RESPONSE
Date : 12/30/2016
Action: Pilot Study/ Treatability Report

Action Type: ENFORCEMENT
Date : 12/27/2016
Action: Staff Letter - #20161227

Action Type: REMEDIATION
Date : 12/7/2016
Action: Dual Phase Extraction

Action Type: RESPONSE
Date : 11/15/2016
Action: Monitoring Report - Semi-Annually

Action Type: REMEDIATION
Date : 11/10/2016
Action: Dual Phase Extraction

Action Type: ENFORCEMENT
Date : 8/31/2016
Action: Staff Letter - #20160831

Action Type: REMEDIATION
Date : 8/25/2016
Action: Dual Phase Extraction

Action Type: RESPONSE
Date : 8/15/2016
Action: Remedial Progress Report

Action Type: REMEDIATION
Date : 5/17/2016
Action: Dual Phase Extraction

Action Type: RESPONSE
Date : 5/15/2016
Action: Monitoring Report - Semi-Annually

Action Type: REMEDIATION
Date : 4/22/2016
Action: Dual Phase Extraction

Action Type: REMEDIATION
Date : 2/29/2016
Action: Dual Phase Extraction

Action Type: RESPONSE
Date : 2/24/2016
Action: Correspondence

Action Type: RESPONSE

Date : 2/15/2016
Action: Remedial Progress Report

Action Type: RESPONSE
Date : 1/31/2016
Action: Correspondence

Action Type: ENFORCEMENT
Date : 12/31/2015
Action: Staff Letter - #20151231

Action Type: RESPONSE
Date : 11/15/2015
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 9/8/2015
Action: Email Correspondence - #20150908

Action Type: RESPONSE
Date : 8/15/2015
Action: Remedial Progress Report

Action Type: RESPONSE
Date : 5/15/2015
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 2/15/2015
Action: Remedial Progress Report

Action Type: ENFORCEMENT
Date : 2/3/2015
Action: Email Correspondence - #20150203

Action Type: ENFORCEMENT
Date : 12/10/2014
Action: Staff Letter - #20141210

Action Type: RESPONSE
Date : 11/15/2014
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 10/8/2014
Action: Technical Correspondence / Assistance / Other - #20141008

Action Type: RESPONSE
Date : 5/15/2014
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 12/31/2013
Action: Well Installation Report

Action Type: RESPONSE
Date : 11/15/2013
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 6/11/2013
Action: Staff Letter - #20130611

Action Type: RESPONSE
Date : 5/15/2013
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 11/30/2012

Action: Corrective Action Plan / Remedial Action Plan - Addendum - Regulator Responded

Action Type: RESPONSE
Date : 11/15/2012
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 8/15/2012
Action: Remedial Progress Report

Action Type: ENFORCEMENT
Date : 8/13/2012
Action: Staff Letter - #20120813

Action Type: RESPONSE
Date : 6/15/2012
Action: Remedial Progress Report

Action Type: RESPONSE
Date : 5/15/2012
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 4/15/2012
Action: Pilot Study/ Treatability Report

Action Type: REMEDIATION
Date : 2/10/2012
Action: Soil Vapor Extraction (SVE)

Action Type: REMEDIATION
Date : 2/7/2012
Action: Dual Phase Extraction

Action Type: ENFORCEMENT
Date : 12/5/2011
Action: Technical Correspondence / Assistance / Other - #20111205

Action Type: ENFORCEMENT
Date : 11/28/2011
Action: Staff Letter - #20111128

Action Type: RESPONSE
Date : 11/15/2011
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 8/10/2011
Action: Well Installation Report

Action Type: RESPONSE
Date : 7/22/2011
Action: Pilot Study / Treatability Workplan - Regulator Responded

Action Type: ENFORCEMENT
Date : 7/5/2011
Action: Staff Letter - #20110705

Action Type: RESPONSE
Date : 5/15/2011
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 3/3/2011
Action: Staff Letter - #20110303

Action Type: RESPONSE
Date : 1/3/2011
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 12/31/2010
Action: Correspondence

Action Type: RESPONSE
Date : 11/22/2010
Action: CAP/RAP - Other Report

Action Type: ENFORCEMENT
Date : 11/22/2010
Action: Staff Letter - #20101122

Action Type: RESPONSE
Date : 11/15/2010
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 10/13/2010
Action: Staff Letter - #20101013

Action Type: ENFORCEMENT
Date : 9/20/2010
Action: Technical Correspondence / Assistance / Other - #20100920

Action Type: ENFORCEMENT
Date : 9/8/2010
Action: Technical Correspondence / Assistance / Other - #20100908

Action Type: RESPONSE
Date : 5/15/2010
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 5/4/2010
Action: Staff Letter - #20100504

Action Type: RESPONSE
Date : 12/2/2009
Action: CAP/RAP - Other Report

Action Type: RESPONSE
Date : 11/15/2009
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 10/7/2009
Action: Pilot Study/ Treatability Report

Action Type: ENFORCEMENT
Date : 7/22/2009
Action: Staff Letter - #20090722

Action Type: RESPONSE
Date : 5/15/2009
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 4/24/2009
Action: Other Report / Document

Action Type: REMEDIATION
Date : 4/14/2009
Action: Dual Phase Extraction

Action Type: ENFORCEMENT
Date : 3/25/2009
Action: Staff Letter - #20090325

Action Type: ENFORCEMENT
Date : 1/13/2009
Action: Staff Letter - #20090113

Action Type: REMEDIATION
Date : 12/4/2008
Action: Free Product Removal

Action Type: ENFORCEMENT
Date : 12/2/2008
Action: Technical Correspondence / Assistance / Other - #20081202

Action Type: ENFORCEMENT
Date : 11/25/2008
Action: Technical Correspondence / Assistance / Other - #20081125

Action Type: RESPONSE
Date : 11/17/2008
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 10/7/2008
Action: Staff Letter - #20081007

Action Type: RESPONSE
Date : 6/20/2008
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 5/23/2008
Action: CAP/RAP - Feasibility Study Report

Action Type: RESPONSE
Date : 5/15/2008
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 12/6/2007
Action: Staff Letter - #20071206

Action Type: RESPONSE
Date : 11/15/2007
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 7/11/2007
Action: Risk Assessment Report

Action Type: ENFORCEMENT
Date : 5/30/2007
Action: Technical Correspondence / Assistance / Other - #20070530

Action Type: RESPONSE
Date : 5/15/2007
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 3/14/2007
Action: Notice of Violation - #20070314

Action Type: ENFORCEMENT
Date : 3/14/2007
Action: Staff Letter - #20070314

Action Type: RESPONSE
Date : 11/15/2006
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE

Date : 7/25/2006
Action: Risk Assessment Report

Action Type: RESPONSE
Date : 7/25/2006
Action: Other Workplan

Action Type: ENFORCEMENT
Date : 7/19/2006
Action: Notice of Violation - #20060719

Action Type: RESPONSE
Date : 5/15/2006
Action: Monitoring Report - Semi-Annually

Action Type: REMEDIATION
Date : 5/9/2006
Action: Dual Phase Extraction

Action Type: ENFORCEMENT
Date : 5/4/2006
Action: Staff Letter - #20060504

Action Type: ENFORCEMENT
Date : 4/19/2006
Action: Staff Letter - #20060419

Action Type: RESPONSE
Date : 4/18/2006
Action: CAP/RAP - Feasibility Study Report

Action Type: RESPONSE
Date : 12/27/2005
Action: Interim Remedial Action Report

Action Type: REMEDIATION
Date : 12/16/2005
Action: Dual Phase Extraction

Action Type: ENFORCEMENT
Date : 12/13/2005
Action: Staff Letter - #20051213

Action Type: RESPONSE
Date : 11/15/2005
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 11/1/2005
Action: Staff Letter - #20051101

Action Type: ENFORCEMENT
Date : 10/11/2005
Action: Staff Letter - #20051011

Action Type: ENFORCEMENT
Date : 9/8/2005
Action: Staff Letter - #20050908

Action Type: RESPONSE
Date : 9/6/2005
Action: Pilot Study / Treatability Workplan

Action Type: ENFORCEMENT
Date : 6/29/2005
Action: Staff Letter - #20050629

Action Type: RESPONSE
Date : 5/16/2005

Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 3/15/2005
Action: CAP/RAP - Other Report

Action Type: RESPONSE
Date : 2/28/2005
Action: Risk Assessment Report

Action Type: RESPONSE
Date : 2/14/2005
Action: Interim Remedial Action Plan

Action Type: ENFORCEMENT
Date : 12/6/2004
Action: Notice of Violation - #20041206

Action Type: ENFORCEMENT
Date : 11/24/2004
Action: Staff Letter - #20041124

Action Type: RESPONSE
Date : 9/21/2004
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 9/16/2004
Action: Staff Letter - #20040916

Action Type: ENFORCEMENT
Date : 9/7/2004
Action: Technical Correspondence / Assistance / Other - #20040907

Action Type: ENFORCEMENT
Date : 6/28/2004
Action: Staff Letter - #20040628

Action Type: RESPONSE
Date : 6/24/2004
Action: Soil and Water Investigation Workplan

Action Type: ENFORCEMENT
Date : 5/25/2004
Action: Staff Letter - #20040525

Action Type: ENFORCEMENT
Date : 5/21/2004
Action: Staff Letter - #20040521

Action Type: RESPONSE
Date : 5/20/2004
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 5/20/2004
Action: Sensitive Receptor Survey Report

Action Type: RESPONSE
Date : 3/11/2004
Action: Soil and Water Investigation Workplan - Addendum

Action Type: ENFORCEMENT
Date : 3/4/2004
Action: Staff Letter - #20040304

Action Type: RESPONSE
Date : 2/19/2004
Action: Correspondence

Action Type: ENFORCEMENT
Date : 1/15/2004
Action: Staff Letter - #20040115

Action Type: RESPONSE
Date : 9/24/2003
Action: Soil and Water Investigation Workplan

Action Type: ENFORCEMENT
Date : 7/24/2003
Action: Staff Letter - #20030724B

Action Type: ENFORCEMENT
Date : 7/24/2003
Action: Staff Letter - #20030724A

Action Type: RESPONSE
Date : 5/22/2003
Action: Remedial Progress Report

Action Type: ENFORCEMENT
Date : 4/22/2003
Action: Notice of Violation - #20030422

Action Type: REMEDIATION
Date : 3/10/2003
Action: Dual Phase Extraction

Action Type: REMEDIATION
Date : 8/21/2001
Action: Free Product Removal

Action Type: ENFORCEMENT
Date : 11/16/2000
Action: Notice of Responsibility - #20001116

Action Type: Other
Date : 6/5/2000
Action: Leak Reported

Action Type: REMEDIATION
Date : 12/18/1996
Action: Excavation

Action Type: Other
Date : 12/18/1996
Action: Leak Discovery

Action Type: REMEDIATION
Date : 2/20/1991
Action: Excavation

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone No:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Remediation
Status Date: 6/11/2013

Status: Open - Site Assessment
Status Date: 2/10/2012

Status: Open - Remediation
Status Date: 2/7/2012

Status: Open - Site Assessment
Status Date: 4/19/2009

Status: Open - Remediation
Status Date: 4/14/2009

Status: Open - Site Assessment
Status Date: 5/12/2006

Status: Open - Remediation
Status Date: 5/9/2006

Status: Open - Site Assessment
Status Date: 12/17/2005

Status: Open - Remediation
Status Date: 12/16/2005

Status: Open - Site Assessment
Status Date: 3/20/2003

Status: Open - Remediation
Status Date: 3/10/2003

Status: Open - Site Assessment
Status Date: 11/10/2000

Status: Open - Case Begin Date
Status Date: 2/25/1997

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name:	UNOCAL STATION #3676	***Potential COC:***	GASOLINE
Site Facility Type:	LUST CLEANUP SITE	***Facility Type:***	
Cleanup Status:	OPEN - REMEDIATION	***Composting Method:***	
Project Status:		***Address:***	5 EL CAMINO REAL
WDR Place Type:		***City:***	MILLBRAE
WDR File:		***Zip:***	94030
WDR Order:		***County:***	SAN MATEO
CUF Priority Assig:		***CUF Claim:***	
CUF Amount Paid:			

File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608100584
Cleanup Status Detail: OPEN - REMEDIATION AS OF 6/11/2013
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608100584&tabname=regulatoryhistory
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER), SOIL, SOIL VAPOR
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 990028
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0612
CASEWORKER: Regional Water Board
Gndwater Monitoring Freque: # OF WELLS MONITORED - SEMI-ANNUALLY : 11, ANNUALLY : 7, OTHER : 13
Designated Beneficial Use Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply

Desc:
Site History:

A summary of historical site investigation and remediation activities prior to January 2015 can be found in Stantec's revised remedial action plan dated 11/30/12. A summary of the dual-phase extraction (DPE) remediation system construction can be found in Stantec's remedial system installation and startup report dated 5/13/16. A summary of Stantec's remediation efforts at the site (DPE system operation) through the end of the third quarter 2017 can be found in Stantec's Quarterly Status Report, Third Quarter 2017 dated 11/15/17).

Additional history can be extracted from most recent report in Geotracker or at San Mateo County offices if submitted prior to 2005. San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in reports.

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Open - Remediation
Date : 6/11/2013

Status: Open - Site Assessment
Date : 2/10/2012

Status: Open - Remediation
Date : 2/7/2012

Status: Open - Site Assessment
Date : 4/19/2009

Status: Open - Remediation
Date : 4/14/2009

Status: Open - Site Assessment
Date : 5/12/2006

Status: Open - Remediation
Date : 5/9/2006

Status: Open - Site Assessment
Date : 12/17/2005

Status: Open - Remediation
Date : 12/16/2005

Status: Open - Site Assessment
Date : 3/20/2003

Status: Open - Remediation
Date : 3/10/2003

Status: Open - Site Assessment
Date : 11/10/2000

Status: Open - Case Begin Date
Date : 2/25/1997

LUST Sites from GeoTracker Search - Cleanup Action Report (as of Feb 27, 2021)

Action Type: DUAL PHASE EXTRACTION ***Begin Date:*** 2/6/2020
Phase: Soil Vapor ***End Date:*** 9/28/2020
Contaminant Mass Removed: 825 Pounds
Description:

Action Type: DUAL PHASE EXTRACTION ***Begin Date:*** 9/18/2018
Phase: Soil Vapor ***End Date:*** 10/30/2018
Contaminant Mass Removed: 3,655 Pounds
Description:

Action Type: DUAL PHASE EXTRACTION ***Begin Date:*** 6/11/2018
Phase: Soil Vapor ***End Date:*** 9/18/2018

Contaminant Mass Removed: 563 Pounds
Description:

Action Type: DUAL PHASE EXTRACTION
Begin Date: 3/28/2018
Phase: Soil Vapor
End Date: 6/11/2018
Contaminant Mass Removed: 1,651 Pounds
Description:

Action Type: DUAL PHASE EXTRACTION
Begin Date: 3/28/2018
Phase: Water
End Date: 5/11/2018
Contaminant Mass Removed: 17 Pounds
Description:

Action Type: DUAL PHASE EXTRACTION
Begin Date: 12/19/2017
Phase: Water
End Date: 3/28/2018
Contaminant Mass Removed: 63 Pounds
Description:

Action Type: DUAL PHASE EXTRACTION
Begin Date: 12/19/2017
Phase: Soil Vapor
End Date: 3/28/2018
Contaminant Mass Removed: 1,444 Pounds
Description:

Action Type: DUAL PHASE EXTRACTION
Begin Date: 9/26/2017
Phase: Soil Vapor
End Date: 12/14/2017
Contaminant Mass Removed: 671 Pounds
Description:

Action Type: DUAL PHASE EXTRACTION
Begin Date: 8/9/2017
Phase: Water
End Date: 11/15/2017
Contaminant Mass Removed: 63 Pounds
Description:

Action Type: DUAL PHASE EXTRACTION
Begin Date: 6/14/2017
Phase: Soil Vapor
End Date: 9/19/2017
Contaminant Mass Removed: 12,194 Pounds
Description:

Action Type: DUAL PHASE EXTRACTION
Begin Date: 5/10/2017
Phase: Water
End Date: 8/9/2017
Contaminant Mass Removed: 51
Description:

Action Type: DUAL PHASE EXTRACTION
Begin Date: 3/30/2017
Phase: Soil Vapor
End Date: 6/14/2017
Contaminant Mass Removed: 1,717 Pounds
Description:

Action Type: DUAL PHASE EXTRACTION
Begin Date: 2/8/2017
Phase: Water
End Date: 5/10/2017
Contaminant Mass Removed: 32 Pounds
Description:

Action Type: DUAL PHASE EXTRACTION
Begin Date: 12/7/2016
Phase: Soil Vapor
End Date: 3/30/2017
Contaminant Mass Removed: 1,161 Pounds
Description:

Action Type: DUAL PHASE EXTRACTION
Begin Date: 11/10/2016
Phase: Water
End Date: 2/8/2017
Contaminant Mass Removed: 14 Pounds
Description:

Action Type: DUAL PHASE EXTRACTION
Begin Date: 8/25/2016
Phase: Soil Vapor
End Date: 12/7/2016
Contaminant Mass Removed: 11,232 Pounds
Description:

Action Type: DUAL PHASE EXTRACTION
Begin Date: 8/25/2016

Phase: Water ***End Date:*** 11/8/2016
Contaminant Mass Removed: 87 Pounds
Description: Extracted a total of approximately 123,720 gallons of groundwater between 9/29/16 and 12/28/16

Action Type: DUAL PHASE EXTRACTION ***Begin Date:*** 5/17/2016
Phase: Water ***End Date:*** 8/25/2016
Contaminant Mass Removed: 60 Pounds
Description: Approximately 164,073 gallons of groundwater were discharged to the sanitary sewer from 6/30/16 through 9/29/16.

Action Type: DUAL PHASE EXTRACTION ***Begin Date:*** 4/22/2016
Phase: Soil Vapor ***End Date:*** 8/25/2016
Contaminant Mass Removed: 8,475 Pounds
Description: 2/15/17 reported changed vapor recovery from 6,257 to 8,475 pounds of TPH

Action Type: DUAL PHASE EXTRACTION ***Begin Date:*** 2/29/2016
Phase: Water ***End Date:*** 5/17/2016
Contaminant Mass Removed: 48 Pounds
Description: Approximately 171,122 gallons of groundwater were discharged to the sanitary sewer from 2/29/16 through 6/30/16. Pounds of HC removed from groundwater are from 2/29 though 5/17/16. System operated solely as a pump and treat system from 5/17 through 6/30/16.

Action Type: DUAL PHASE EXTRACTION ***Begin Date:*** 2/29/2016
Phase: Soil Vapor ***End Date:*** 4/22/2016
Contaminant Mass Removed: 3,224 Pounds
Description: Approximately 171,122 gallons of groundwater were discharged to the sanitary sewer during the reporting period. Consultant estimated pounds of HC removed from vapor from 3/7 through 4/22/16 because SVE portion of system was shut-down on 5/17/16 due to a faulty valve and no vapor sample was collected during the reporting period after 4/22/16. Consultant estimated pounds of HC removed from groundwater from 2/29 though 5/17/16. System operated solely as a pump and treat system from 5/17 through 6/30/16.

Action Type: SOIL VAPOR EXTRACTION (SVE) ***Begin Date:*** 2/10/2012
Phase: Soil Vapor ***End Date:*** 2/10/2012
Contaminant Mass Removed: 10 Pounds
Description: SVE step and constant rate pilot test removed approximately 10 pounds TPHg in vapor. Approximately 32 gallons of water was removed during subsequent, but short-lived SVE/AS testing. Mass of hydrocarbons removed in groundwater was not reported, but is likely insignificant.

Action Type: DUAL PHASE EXTRACTION ***Begin Date:*** 2/7/2012
Phase: Soil Vapor ***End Date:*** 2/9/2012
Contaminant Mass Removed: 171 Pounds
Description: Dual-Phase Extraction (DPE) pilot testing removed approximately 171 pounds of TPPH in vapor and removed 694 gallons of groundwater over 52.5 hours of operation. The mass of hydrocarbons in extracted groundwater was not reported, but is likely significantly less than what was reported in the vapor stream.

Action Type: DUAL PHASE EXTRACTION ***Begin Date:*** 4/14/2009
Phase: Soil Vapor, Water ***End Date:*** 4/19/2009
Contaminant Mass Removed: 620 Pounds
Description: Two-phase extraction (TPE) pilot testing removed approximately 620 lbs TPHg from vapor and removed 3,673 gallons of groundwater

Action Type: FREE PRODUCT REMOVAL ***Begin Date:*** 12/4/2008
Phase: Liquid Waste ***End Date:*** 3/14/2014
Contaminant Mass Removed: 30 Gallons
Description: Manual and skimmer removal of free product from wells MW-1, MW-2, MW-3, MW-5, MW-11, MW-12, and RW-2 (refer to Table 4 in 1Q14 monitoring report). Does not include mass of free product removed by the use of Soakease socks in various wells which were installed in recent years.

Action Type: DUAL PHASE EXTRACTION ***Begin Date:*** 5/9/2006
Phase: Soil Vapor, Water ***End Date:*** 5/12/2006
Contaminant Mass Removed: 56 Pounds
Description: Two-phase extraction (TPE) pilot testing recovered approximately 56 pounds of TPHg in vapor and removed 2,338 gallons of groundwater

Action Type: DUAL PHASE EXTRACTION ***Begin Date:*** 12/16/2005
Phase: Soil Vapor ***End Date:*** 12/16/2005
Contaminant Mass Removed: 67 Pounds
Description: Bioslurping from MW-2 and MW-12 recovered 67 pounds of TPH from vapor and 228 gallons of extracted groundwater

Action Type: DUAL PHASE EXTRACTION
Begin Date: 3/10/2003
Phase: Soil Vapor, Water
End Date: 3/20/2003
Contaminant Mass Removed: 604 Pounds
Description: Two-phase extraction (TPE) pilot testing on MW-5 removed 604 lbs TPHg (potentially unrepresentative vapor sample submitted to laboratory) and approximately 2,000 gallons of groundwater. PID readings (not the proper instrument) suggested 2,257 pounds of TPHg recovered.

Action Type: FREE PRODUCT REMOVAL
Begin Date: 8/21/2001
Phase: Liquid Waste
End Date: 12/3/2004
Contaminant Mass Removed: 18 Gallons
Description: Manual and passive skimmer removal of free product from wells MW-2, MW-3, and MW-12 (refer to Table 4 in 1Q14 monitoring report).

Action Type: EXCAVATION
Begin Date: 12/18/1996
Phase: Soil
End Date: 1/3/1997
Contaminant Mass Removed: 0
Description: Excavated 45 cu. yds. of soil surrounding P-4 and P-6 and an additional 72 cu. yds. from new trenches and site grading (approximately 117 tons assuming 1.6 tons per cubic yard of excavated soil). Actual mass of contaminants in the excavated soil was not reported and is significantly less than the 117 ton mass of soil that was excavated. The excavated soil was transported to Forward landfill in Manteca, California, on 1/3/97.

Action Type: EXCAVATION
Begin Date: 2/20/1991
Phase: Soil
End Date: 2/20/1991
Contaminant Mass Removed: 0
Description: Removed approximately 45 cubic yards of soil beneath the former waste oil UST to a depth of approximately 15 fbg (approximately 72 tons based assuming 1.6 tons per cubic yard of excavated soil). Actual mass of contaminants in the excavated soil was not reported and is significantly less than the 72 ton mass of soil that was excavated.

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Other Regulatory Actions
Action Date: 12/16/2020
Received Issue Date: 12/16/2020
Action: Staff Letter - #20201216
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6453731&temptable=ENFORCEMENT
Title Description Comments:

LOP letter concurring with additional DPE operation, noting that if mass removal rates remain low (i.e. <10 lbs/day) through next reporting period it would be acceptable to shut-down system and initiate verification monitoring.

Action Type: Response Requested - Reports
Action Date: 11/15/2020
Received Issue Date: 11/11/2020
Action: Remedial Progress Report - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=6010334
Title Description Comments:

3Q120 RPR and 2SA19 GWMR

Action Type: Other Regulatory Actions
Action Date: 10/27/2020
Received Issue Date: 10/27/2020
Action: Email Correspondence - #20201027
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6450802&temptable=ENFORCEMENT
Title Description Comments:

GPP email concurring with continued DPE system operation and GW monitoring

Action Type: Response Requested - Reports
Action Date: 8/15/2020
Received Issue Date: 8/13/2020
Action: Remedial Progress Report - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=6010333
Title Description Comments:

2Q20 RPR

Action Type: Response Requested - Other
Action Date: 8/7/2020
Received Issue Date: 8/7/2020
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=6029940
Title Description Comments:

Consultant contact change

Action Type: Other Regulatory Actions
Action Date: 7/16/2020
Received Issue Date: 7/16/2020
Action: Email Correspondence - #20200716
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6441915&temptable=ENFORCEMENT
Title Description Comments:

LOP email to continue remedial system operation, groundwater monitoring, and reporting per previously established schedule

Action Type: Response Requested - Reports
Action Date: 5/15/2020
Received Issue Date: 5/15/2020
Action: Remedial Progress Report - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=6010332
Title Description Comments:

1Q120 RPR and 1SA19 GWMR

Action Type: Other Regulatory Actions
Action Date: 5/12/2020
Received Issue Date: 5/12/2020
Action: Email Correspondence - #20200512
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6435207&temptable=ENFORCEMENT
Title Description Comments:

LOP email regarding omission of 1Q20 GW Mon activities due to Shelter in Place Order

Action Type: Other Regulatory Actions
Action Date: 4/8/2020
Received Issue Date: 4/8/2020
Action: Staff Letter - #20200408
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6431879&temptable=ENFORCEMENT
Title Description Comments:

LOP comments to DPE system status

Action Type: Response Requested - Reports
Action Date: 2/15/2020
Received Issue Date: 2/13/2020
Action: Remedial Progress Report - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=6010330
Title Description Comments:

4Q19 RPR

Action Type: Other Regulatory Actions
Action Date: 12/10/2019
Received Issue Date: 12/10/2019
Action: Staff Letter - #20191210

Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6422446&temptable=ENFORCEMENT

Title Description Comments:

LOP concurrence with continued DPE operation and area of influence evaluation.

Action Type: Response Requested - Reports
Action Date: 11/15/2019
Received Issue Date: 11/22/2019
Action: Remedial Progress Report - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5996518
Title Description Comments:

3Q19 RPR & GWMR

Action Type: Response Requested - Reports
Action Date: 11/8/2019
Received Issue Date: 11/8/2019
Action: Remedial Progress Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=6009147
Title Description Comments:

DPE system status update

Action Type: Response Requested - Reports
Action Date: 10/25/2019
Received Issue Date: 10/25/2019
Action: Remedial Progress Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=6007500
Title Description Comments:

DPE system status update

Action Type: Response Requested - Reports
Action Date: 10/11/2019
Received Issue Date: 10/11/2019
Action: Remedial Progress Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=6006875
Title Description Comments:

DPE system status update

Action Type: Response Requested - Reports
Action Date: 9/13/2019
Received Issue Date: 9/13/2019
Action: Remedial Progress Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=6004874
Title Description Comments:

DPE system status update

Action Type: Response Requested - Reports
Action Date: 8/30/2019
Received Issue Date: 8/30/2019
Action: Remedial Progress Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=6003375
Title Description Comments:

DPE system status update

Action Type: Response Requested - Reports
Action Date: 8/15/2019
Received Issue Date: 8/19/2019
Action: Remedial Progress Report

Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5987008
Title Description Comments:

2Q19 RPR - UPDATE 8/19/19: DPE system modifications update. Consultant to provide bi-weekly updates until system becomes operational.

Action Type: Response Requested - Other
Action Date: 6/25/2019
Received Issue Date: 6/25/2019
Action: Email Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5998353
Title Description Comments:

Email update on status of remedial system restart

Action Type: Other Regulatory Actions
Action Date: 6/18/2019
Received Issue Date: 6/18/2019
Action: Staff Letter - #20190618
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6406225&temptable=ENFORCEMENT
Title Description Comments:

LOP comments to DPE system status, require restart by 7/20/19

Action Type: Response Requested - Reports
Action Date: 5/15/2019
Received Issue Date: 4/30/2019
Action: Remedial Progress Report - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5987007
Title Description Comments:

1Q19 RPR

Action Type: Other Regulatory Actions
Action Date: 4/9/2019
Received Issue Date: 4/9/2019
Action: Staff Letter - #20190409
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6398690&temptable=ENFORCEMENT
Title Description Comments:

LOP letter indicating that regulatory correspondence will be addressed to both Chevron Environmental Management Company and Phillips 66 Company

Action Type: Response Requested - Other
Action Date: 3/22/2019
Received Issue Date: 3/22/2019
Action: Correspondence - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5990087
Title Description Comments:

Project management transition letter

Action Type: Other Regulatory Actions
Action Date: 2/26/2019
Received Issue Date: 2/26/2019
Action: Staff Letter - #20190226
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6386445&temptable=ENFORCEMENT
Title Description Comments:

LOP concurrence with continued DPE system operation

Action Type: Response Requested - Reports
Action Date: 2/15/2019

Received Issue Date: 2/15/2019
Action: Remedial Progress Report - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5974171
Title Description Comments:

4Q18 Remedial Progress Report

Action Type: Response Requested - Reports
Action Date: 11/15/2018
Received Issue Date: 11/15/2018
Action: Remedial Progress Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5974169
Title Description Comments:

3Q18 Remedial Progress Report

Action Type: Other Regulatory Actions
Action Date: 9/24/2018
Received Issue Date: 9/24/2018
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6395959&temptable=ENFORCEMENT
Title Description Comments:

6741 1st RSR Rationale for Additional Work September 2018

Action Type: Other Regulatory Actions
Action Date: 9/4/2018
Received Issue Date: 9/4/2018
Action: Staff Letter - #20180904
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6368766&temptable=ENFORCEMENT
Title Description Comments:

LOP letter commenting on 1Q18 and 2Q18 reports

Action Type: Response Requested - Reports
Action Date: 8/15/2018
Received Issue Date: 8/15/2018
Action: Remedial Progress Report - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5974164
Title Description Comments:

2Q18 Remedial Progress Report

Action Type: Response Requested - Reports
Action Date: 5/15/2018
Received Issue Date: 5/15/2018
Action: Remedial Progress Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5951506
Title Description Comments:

1Q18 Remedial Progress Report

Action Type: Other Regulatory Actions
Action Date: 4/3/2018
Received Issue Date: 4/3/2018
Action: Staff Letter - #20180403
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6353651&temptable=ENFORCEMENT
Title Description Comments:

LOP comments to 4Q17 DPE system ops report

Action Type: Response Requested - Reports
Action Date: 2/15/2018
Received Issue Date: 2/15/2018
Action: Remedial Progress Report - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5948448
Title Description Comments:

4Q17 GW Mon & DPE O&M Report

Action Type: Other Regulatory Actions
Action Date: 1/8/2018
Received Issue Date: 1/8/2018
Action: Staff Letter - #20180108
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6344971&temptable=ENFORCEMENT
Title Description Comments:

LOP concurs with continued DPE system operation

Action Type: Response Requested - Reports
Action Date: 11/15/2017
Received Issue Date: 11/15/2017
Action: Remedial Progress Report - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5948446
Title Description Comments:

3Q17 GW Mon & DPE Sys O&M

Action Type: Other Regulatory Actions
Action Date: 11/14/2017
Received Issue Date: 11/14/2017
Action: Staff Letter - #20171114
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6341117&temptable=ENFORCEMENT
Title Description Comments:

LOP concurs with continued DPE system operation

Action Type: Response Requested - Reports
Action Date: 8/15/2017
Received Issue Date: 8/15/2017
Action: Remedial Progress Report - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5948445
Title Description Comments:

2Q17 GW Mon & DPE O&M Report

Action Type: Response Requested - Reports
Action Date: 5/15/2017
Received Issue Date: 5/11/2017
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5918230
Title Description Comments:

1Q17 Groundwater Monitoring and DPE System O&M Report - Ensure EDF #1180 corrected

Action Type: Other Regulatory Actions
Action Date: 4/24/2017
Received Issue Date: 4/24/2017
Action: Staff Letter - #20170424
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6317910&temptable=ENFORCEMENT
Title Description Comments:

LOP staff comments on 12/30/16 DPE system dewatering pilot testing report and 2/15/17 groundwater monitoring and DPE System O&M report. LOP

did not support UST Cleanup Fund reimbursement of costs associated with pilot test. LOP rescinded 8/16 requirement to install two DPE observation wells given current unusual depth to groundwater and supported performing one additional dewatering test when depth to groundwater in MW-4 becomes <25 feet. LOP only considered it necessary to collect groundwater samples from the DPE wells on a semi-annual basis. LOP also cautioned Chevron on not promptly justifying to GPP staff that required corrective action is not necessary and cautioned registered professional on submitting figures not supported by collected data.

Action Type: Response Requested - Reports
Action Date: 12/30/2016
Received Issue Date: 12/30/2016
Action: Pilot Study/ Treatability Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5917701
Title Description Comments:

Unsolicited DPE System Evaluation Report (12/30/16) - LOP cannot recommend UST Cleanup Fund reimburse the costs associated with this work

Action Type: Other Regulatory Actions
Action Date: 12/27/2016
Received Issue Date: 12/27/2016
Action: Staff Letter - #20161227
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6307177&temptable=ENFORCEMENT
Title Description Comments:

LOP staff comments on 8/30/16 well installation and destruction report and 11/15/16 groundwater monitoring and DPE System O&M Report

Action Type: Response Requested - Reports
Action Date: 11/15/2016
Received Issue Date: 6/2/2017
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5907839
Title Description Comments:

3Q16 Groundwater Monitoring and DPE System O&M Report - Task will be complete when EDFs and GeoWell files uploaded for 9/9/16, 9/28/16 and 10/7/16 monitoring events, EDFs for 8/25/16 DPE system influent/effluent vapor and groundwater sampling, EDF for re-analysis of zinc in effluent groundwater that mitigated DPE system shut-down on 9/15/16, resampling of DPE groundwater effluent and GeoWell for gauging of MW-2R on 7/27/16 are uploaded to GeoTracker. UPDATE on 4/19/17 - still need to correct GeoWell #5832 and EDFs #9645 and 8277, upload EDF for re-analysis of zinc in effluent groundwater after the sampling that shut-down the DPE system on 9/15/16, and upload GeoWell for gauging of MW-2R on 7/27/16.

Action Type: Other Regulatory Actions
Action Date: 8/31/2016
Received Issue Date: 8/31/2016
Action: Staff Letter - #20160831
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6296767&temptable=ENFORCEMENT
Title Description Comments:

LOP staff comments on 5/13/16 groundwater monitoring report, 5/13/16 DPE system installation and 1Q16 O&M report, and 8/12/16 DPE system O&M report.

Action Type: Response Requested - Reports
Action Date: 8/15/2016
Received Issue Date: 9/12/2016
Action: Remedial Progress Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5898825
Title Description Comments:

2Q16 DPE System O&M Report - Task will be complete when GeoWell file for the 5/17/16 gauging event is uploaded

Action Type: Response Requested - Other
Action Date: 2/24/2016
Received Issue Date: 2/24/2016
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5881777
Title Description Comments:

PG&E Electrical Installation Letter (2/24/16)

Action Type: Response Requested - Other
Action Date: 2/24/2016
Received Issue Date: 2/24/2016
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5881775
Title Description Comments:

Status of Remedial System Construction and Notification (2/24/16)

Action Type: Other Regulatory Actions
Action Date: 12/31/2015
Received Issue Date: 12/31/2015
Action: Staff Letter - #20151231
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6271256&temptable=ENFORCEMENT
Title Description Comments:

LOP staff comments on 10/14/15 letter proposing remedial objectives for DPE system and 11/13/15 groundwater monitoring report. LOP conditionally approved remedial objectives and required email status on condition of MW-12.

Action Type: Response Requested - Reports
Action Date: 11/15/2015
Received Issue Date: 12/22/2015
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5856514
Title Description Comments:

3Q15 Groundwater Monitoring and DPE System O&M Report - RP failed to install DPE system in time to complete O&M task. Groundwater monitoring portion of the task will be complete when GeoWell file #2970 is corrected.

Action Type: Other Regulatory Actions
Action Date: 9/8/2015
Received Issue Date: 9/8/2015
Action: Email Correspondence - #20150908
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6259797&temptable=ENFORCEMENT
Title Description Comments:

LOP staff email responding to 8/21/15 letter providing a status on the construction of the remediation system. LOP indicated an NOV will be issued if DPE system operation is not commenced before 2016 because the 6/11/13 LOP letter expected system operation to commence by 7/1/14.

Action Type: Other Regulatory Actions
Action Date: 2/3/2015
Received Issue Date: 2/3/2015
Action: Email Correspondence - #20150203
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6235052&temptable=ENFORCEMENT
Title Description Comments:

LOP staff comments on 3Q14 groundwater monitoring report. LOP indicated it is not necessary to gauge the offsite wells unless it is the quarter they are scheduled for sampling. LOP required next monitoring report to discuss why the dissolved-phase MTBE concentrations in former RW-1 were significantly less than in adjacent replacement well RW-1R and to verify no deep culvert along Millbrae Avenue crossing El Camino Real.

Action Type: Other Regulatory Actions
Action Date: 12/10/2014
Received Issue Date: 12/10/2014
Action: Staff Letter - #20141210
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6230261&temptable=ENFORCEMENT
Title Description Comments:

LOP staff comments on 10/13/14 letter providing a status on the installation of the MPE system and requesting an extension of the 11/15/14 reporting deadline. LOP did not consider an extension warranted.

Action Type: Other Regulatory Actions
Action Date: 10/8/2014
Received Issue Date: 10/8/2014
Action: Technical Correspondence / Assistance / Other - #20141008
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6223691&temptable=ENFORCEMENT
Title Description Comments:

LOP staff comments on 1Q14 groundwater monitoring report. LOP reminded RP to upload missing GeoWell NAPL gauging files (second reminder), approved recommendation to discontinue sampling well AS-1, and indicated if a well is covered by a vehicle, then contractor must return to the site during the monitored quarter until the well is gauged/sampled.

Action Type: Response Requested - Reports
Action Date: 5/15/2014
Received Issue Date: 5/15/2014
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5818577
Title Description Comments:

1Q14 Groundwater Monitoring

Action Type: Response Requested - Reports
Action Date: 11/15/2013
Received Issue Date: 11/15/2013
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5804127
Title Description Comments:

3Q13 Groundwater Monitoring

Action Type: Other Regulatory Actions
Action Date: 6/11/2013
Received Issue Date: 6/11/2013
Action: Staff Letter - #20130611
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6162275&temptable=ENFORCEMENT
Title Description Comments:

LOP staff review of 11/14/12 and 5/15/13 groundwater monitoring reports and 11/30/12 revised RAP. LOP approved discontinuing the NAPL gauging and collection program (i.e. the use of Soakease), indicated an NOV will be issued for future occurrences of improper well maintainance, and reminded RP to upload 10/21/11, 4/13/12, 6/7/12, and 7/31/12 NAPL gauging GeoWell files. LOP also conditionally approved the revised RAP.

Action Type: Response Requested - Reports
Action Date: 5/15/2013
Received Issue Date: 5/15/2013
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5771723
Title Description Comments:

1Q13 Groundwater Monitoring

Action Type: Response Requested - Workplans
Action Date: 11/30/2012
Received Issue Date: 11/30/2012
Action: Corrective Action Plan / Remedial Action Plan - Addendum - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5747940
Title Description Comments:

Revised RAP - Refer to LOP 6/11/13 letter

Action Type: Response Requested - Reports
Action Date: 11/15/2012
Received Issue Date: 10/8/2014

Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5771591
Title Description Comments:

3Q12 Groundwater Monitoring - Task will be complete when the GeoWell files for the 4/13/12, 6/7/12, and 7/31/12 NAPL gauging events are uploaded

Action Type: Other Regulatory Actions
Action Date: 8/13/2012
Received Issue Date: 8/13/2012
Action: Staff Letter - #20120813
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6134044&temptable=ENFORCEMENT
Title Description Comments:

LOP staff comments on 4/12/12 DPE/SVE/AS pilot testing report and 5/15/12 groundwater monitoring report. LOP approved recommendation to prepare a revised RAP. LOP required RP to correct the GeoBore file for RW-1R and indicated new wells PZ-1 and PZ-2 should be semi-annually gauged and new wells RW-1R and AS-1 should be semi-annually gauged and sampled.

Action Type: Response Requested - Reports
Action Date: 5/15/2012
Received Issue Date: 10/8/2014
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5726303
Title Description Comments:

1Q12 GW Monitoring - Task will be complete when correct GeoWell file for 10/21/11 NAPL gauging event is uploaded

Action Type: Response Requested - Reports
Action Date: 4/15/2012
Received Issue Date: 4/12/2012
Action: Pilot Study/ Treatability Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5726302
Title Description Comments:

Implementation of 7/22/11 DPE/AS/SVE pilot testing workplan - task will be complete when correct GeoBore for RW-1R is uploaded

Action Type: Other Regulatory Actions
Action Date: 12/5/2011
Received Issue Date: 12/5/2011
Action: Technical Correspondence / Assistance / Other - #20111205
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6105408&temptable=ENFORCEMENT
Title Description Comments:

LOP email acknowledging the 1Q11 groundwater monitoring report evaluated the low groundwater elevations in MW-14

Action Type: Other Regulatory Actions
Action Date: 11/28/2011
Received Issue Date: 11/28/2011
Action: Staff Letter - #20111128
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6104991&temptable=ENFORCEMENT
Title Description Comments:

LOP staff comments on 7/22/11 DPE/AS/SVE pilot testing workplan and 11/14/11 groundwater monitoring report. LOP conditionally approved workplan, but indicated it could not recommend the UST Cleanup Fund reimburse the cost of the work.

Action Type: Response Requested - Reports
Action Date: 11/15/2011
Received Issue Date: 11/15/2011
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5726135
Title Description Comments:

3Q11 GW Monitoring

Action Type: Response Requested - Workplans
Action Date: 7/22/2011
Received Issue Date: 7/25/2011
Action: Pilot Study / Treatability Workplan - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5716427
Title Description Comments:

Workplan for deeper MPE testing and SVE/AS testing - Refer to LOP 11/28/11 letter

Action Type: Other Regulatory Actions
Action Date: 7/5/2011
Received Issue Date: 7/5/2011
Action: Staff Letter - #20110705
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6091157&temptable=ENFORCEMENT
Title Description Comments:

LOP comments on 6/22/11 letter. LOP approved recommendation to upload a pilot testing workplan for evaluating the feasibility of deeper TPE and using SVE/AS. LOP rescinded remedial well installation deliverable because the type, number, and construction of wells necessary to satisfy the remedial objective will not be known until pilot testing is completed.

Action Type: Response Requested - Reports
Action Date: 5/15/2011
Received Issue Date: 7/7/2011
Action: Monitoring Report - Semi-Annually
Doc Link:
Title Description Comments:

1Q11 GW Monitoring

Action Type: Other Regulatory Actions
Action Date: 3/3/2011
Received Issue Date: 3/3/2011
Action: Staff Letter - #20110303
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6079508&temptable=ENFORCEMENT
Title Description Comments:

LOP comments on 11/15/10 groundwater monitoring report and 11/19/10 remedial action plan. LOP conditionally approved RAP for two-phase extraction system. LOP also required the RP to justify groundwater sampling pump placement and evaluate potential hydraulic influences on MW-14 in the next monitoring report. LOP approved recommendation to reduce to annual the gw monitoring frequency of MW-4, MW-7, MW-8, MW-9, and MW-13 through MW-15.

Action Type: Response Requested - Reports
Action Date: 1/3/2011
Received Issue Date: 1/3/2011
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5706098
Title Description Comments:

Phase II ESA for 39 through 49 El Camino Real - Assessment performed by others on property containing MW-16 (work was not required by LOP or performed by RP of Case #990028)

Action Type: Response Requested - Other
Action Date: 12/31/2010
Received Issue Date: 2/14/2011
Action: Correspondence
Doc Link:
Title Description Comments:

Provide Chevron PM contact information

Action Type: Other Regulatory Actions

Action Date: 11/22/2010
Received Issue Date: 11/22/2010
Action: Staff Letter - #20101122
Doc Link:
Title Description Comments:

LOP informs Chevron they are the legal RP by virtue of acquiring Unocal Corporation

Action Type: Response Requested - Reports
Action Date: *11/22/2010
Received Issue Date: 11/19/2010
Action: CAP/RAP - Other Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5666869
Title Description Comments:

RAP for installation, operation, and maintenance of a TPE system - Deadline extended in LOP email dated 9/8/10

Action Type: Response Requested - Reports
Action Date: 11/15/2010
Received Issue Date: 2/10/2011
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5706076
Title Description Comments:

3Q10 GW Monitoring

Action Type: Other Regulatory Actions
Action Date: 10/13/2010
Received Issue Date: 10/13/2010
Action: Staff Letter - #20101013
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6066674&temptable=ENFORCEMENT
Title Description Comments:

LOP letter for owner of 10 El Camino Real (SBA Loan)

Action Type: Other Regulatory Actions
Action Date: 9/20/2010
Received Issue Date: 9/20/2010
Action: Technical Correspondence / Assistance / Other - #20100920
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6064328&temptable=ENFORCEMENT
Title Description Comments:

LOP email concurring with RP's recommendation to suspend bi-weekly NAPL monitoring

Action Type: Other Regulatory Actions
Action Date: 9/8/2010
Received Issue Date: 9/8/2010
Action: Technical Correspondence / Assistance / Other - #20100908
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6063240&temptable=ENFORCEMENT
Title Description Comments:

LOP email extending the deadline for uploading the RAP from 9/21/10 to 11/22/10.

Action Type: Response Requested - Reports
Action Date: 5/15/2010
Received Issue Date: 7/16/2010
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5665802
Title Description Comments:

1Q10 GW Monitoring

Action Type: Other Regulatory Actions
Action Date: 5/4/2010
Received Issue Date: 5/4/2010
Action: Staff Letter - #20100504
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6049985&temptable=ENFORCEMENT
Title Description Comments:

LOP comments on 4/23/09 subsurface vapor sampling report, 11/13/09 well installation report, 11/13/09 groundwater monitoring report, 12/2/09 two-phase extraction pilot testing report, and 12/2/09 corrective action plan. Conditionally approved recommendation to prepare a Remedial Action Plan (RAP). Required RP to verify 3/23/09 gauging data for RW-1 and RW-2 and to ensure future tables list accurate survey information, and reminded RP that EDF for TPE test gw from MW-5 and MW-6 has not been uploaded as required.

Action Type: Response Requested - Reports
Action Date: 12/2/2009
Received Issue Date: 12/2/2009
Action: CAP/RAP - Other Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5620285
Title Description Comments:

Corrective Action Plan (CAP) - CAP dated 12/2/09. LOP set an extended deadline because RP proposed to perform another (third) TPE test.

Action Type: Response Requested - Reports
Action Date: 11/15/2009
Received Issue Date: 11/19/2010
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5665801
Title Description Comments:

3Q09 GW Monitoring

Action Type: Response Requested - Reports
Action Date: 10/7/2009
Received Issue Date: 4/27/2010
Action: Pilot Study/ Treatability Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5665864
Title Description Comments:

TPE feasibility pilot testing report - Reports dated 12/2/09 (pilot testing report) and 11/13/09 (RW-1 and RW-2). Optional task (assumed 12 months reasonable so could test during summer if summer testing deemed necessary).

Action Type: Other Regulatory Actions
Action Date: 7/22/2009
Received Issue Date: 7/22/2009
Action: Staff Letter - #20090722
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6022404&temptable=ENFORCEMENT
Title Description Comments:

SWRCB Resolution 2009-042 letter

Action Type: Response Requested - Reports
Action Date: 5/15/2009
Received Issue Date: 7/16/2009
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5644686
Title Description Comments:

1Q09 GW Monitoring

Action Type: Response Requested - Other
Action Date: 4/24/2009
Received Issue Date: 4/23/2009
Action: Other Report / Document

Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5620284
Title Description Comments:

Letter demonstrating SS-1 through SS-6 vapor samples satisfied objectives - Report dated 4/23/09 (SS-7). Report concluded SS-1, SS-3, SS-5, and SS-6 did not satisfy workplan objectives. It included the installation of another sub-slab probe (SS-7) and a different season of sampliling data to satisfy the original objectives of the work.

Action Type: Other Regulatory Actions
Action Date: 3/25/2009
Received Issue Date: 3/25/2009
Action: Staff Letter - #20090325
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6007676&temptable=ENFORCEMENT
Title Description Comments:

LOP conditionally approved 3/24/09 email request to destroy MW-2 providing the well could be damaged by the installation of new station signage. Indicated a replacement well may be required depending on the results from RW-2.

Action Type: Other Regulatory Actions
Action Date: 1/13/2009
Received Issue Date: 1/13/2009
Action: Staff Letter - #20090113
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=5999251&temptable=ENFORCEMENT
Title Description Comments:

LOP approves recommendation in 3Q08 Groundwater Monitoring report to pump/bail NAPL in wells containing NAPL

Action Type: Other Regulatory Actions
Action Date: 12/2/2008
Received Issue Date: 12/2/2008
Action: Technical Correspondence / Assistance / Other - #20081202
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=5994982&temptable=ENFORCEMENT
Title Description Comments:

LOP email responding to consultant's 12/1/08 email. LOP states RP can perform any work RP considers necessary as long as it does not pose a public safety risk, but UST Cleanup Fund may not reimburse the cost of the work.

Action Type: Other Regulatory Actions
Action Date: 11/25/2008
Received Issue Date: 11/25/2008
Action: Technical Correspondence / Assistance / Other - #20081125
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=5994664&temptable=ENFORCEMENT
Title Description Comments:

LOP email responding to consultant's 11/24/08 email. LOP did not consider use of a peristaltic pump suitable for NAPL mitigation.

Action Type: Response Requested - Reports
Action Date: 11/17/2008
Received Issue Date: 1/12/2009
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5620287
Title Description Comments:

3Q08 GW Monitoring - Uploaded correct GeoWell on 1/12/09

Action Type: Other Regulatory Actions
Action Date: 10/7/2008
Received Issue Date: 10/7/2008
Action: Staff Letter - #20081007
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=5990056&temptable=ENFORCEMENT
Title Description Comments:

LOP comments on 11/2/07 subsurface vapor sampling report, 5/23/08 TPE feasibility evaluation, and 6/20/08 offsite CPT report. Required RP to upload a CAP and a letter demonstrating the subsurface vapor sampling satisfied the objective of work. LOP stated RP could proceed with recommended TPE pilot testing, but LOP indicated it could not support UST Cleanup Fund reimbursement of the TPE testing costs because this would represent the third TPE test performed at the site. Required RP to upload all required files to GeoTracker if TPE testing performed and to address LOP concerns with the previous TPE pilot tests.

Action Type: Response Requested - Reports
Action Date: 6/20/2008
Received Issue Date: 10/17/2008
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5552763
Title Description Comments:

Implementation of 4/30/07 workplan (offsite CPTs) - Report dated 6/30/08 (CPT-2 and CPT-3). Waste disposal documentation was uploaded 10/17/08.

Action Type: Response Requested - Reports
Action Date: 5/23/2008
Received Issue Date: 5/23/2008
Action: CAP/RAP - Feasibility Study Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5550319
Title Description Comments:

Estimate mass to remove and evaluate in-ground TPE system feasibility

Action Type: Response Requested - Reports
Action Date: 5/15/2008
Received Issue Date: 8/11/2008
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5618845
Title Description Comments:

1Q08 GW Monitoring Report

Action Type: Other Regulatory Actions
Action Date: 12/6/2007
Received Issue Date: 12/6/2007
Action: Staff Letter - #20071206
Doc Link:
Title Description Comments:

LOP comments on 12/1/06 pilot testing and vapor re-sampling report, 4/30/07 vertical gw assessment workplan, and 11/13/07 monitoring report. Conditionally approved workplan. Required RP to upload mass calcs and TPE re-evaluation, COC, and missing GeoTracker files.

Action Type: Response Requested - Reports
Action Date: 11/15/2007
Received Issue Date: 12/13/2007
Action: Monitoring Report - Semi-Annually
Doc Link:
Title Description Comments:

3Q07 GW Monitoring

Action Type: Response Requested - Reports
Action Date: 7/11/2007
Received Issue Date: 12/14/2007
Action: Risk Assessment Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5552762
Title Description Comments:

Implementation of 11/9/06 vapor sampling workplan - Report dated 11/2/07 (SS-1 through SS-6)

Action Type: Other Regulatory Actions
Action Date: 5/30/2007

Received Issue Date: 5/30/2007
Action: Technical Correspondence / Assistance / Other - #20070530
Doc Link:
Title Description Comments:

LOP email responding to consultant's 5/30/07 email. LOP indicated why GeoMap #5824 was denied.

Action Type: Response Requested - Reports
Action Date: 5/15/2007
Received Issue Date: 5/22/2007
Action: Monitoring Report - Semi-Annually
Doc Link:
Title Description Comments:

1Q07 GW Monitoring

Action Type: Enforcement/Orders
Action Date: 3/14/2007
Received Issue Date: 3/14/2007
Action: Notice of Violation - #20070314
Doc Link:
Title Description Comments:

LOP issues Notice of Violation for RP's continued failure to follow proper groundwater monitoring protocols and for not uploading to GeoTracker the files mentioned in the 7/19/06 Notice of Violation

Action Type: Other Regulatory Actions
Action Date: 3/14/2007
Received Issue Date: 3/14/2007
Action: Staff Letter - #20070314
Doc Link:
Title Description Comments:

LOP comments on 11/9/06 sub-slab vapor sampling workplan and the 1/27/07 groundwater monitoring report. LOP conditionally approved the vapor sampling workplan. Established a 4/30/07 deadline to upload the workplan for offsite vertical assessment of dissolved-phase hydrocarbons (was due 9/6/05).

Action Type: Response Requested - Reports
Action Date: 11/15/2006
Received Issue Date: 2/15/2007
Action: Monitoring Report - Semi-Annually
Doc Link:
Title Description Comments:

3Q06 GW Monitoring

Action Type: Response Requested - Reports
Action Date: 7/25/2006
Received Issue Date: 12/4/2006
Action: Risk Assessment Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5552759
Title Description Comments:

Resampling subsurface vapor at TVW-6 - Task was reported in TPE pilot testing report dated 12/1/06

Action Type: Response Requested - Workplans
Action Date: 7/25/2006
Received Issue Date: 11/10/2006
Action: Other Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5552760
Title Description Comments:

Workplan to evaluate inhalation risk in adjacent buildings - Workplan dated 11/9/06

Action Type: Enforcement/Orders
Action Date: 7/19/2006
Received Issue Date: 7/19/2006
Action: Notice of Violation - #20060719
Doc Link:
Title Description Comments:

LOP issued Notice of Violation for RP's failure to upload all required files to the State GeoTracker database

Action Type: Response Requested - Reports
Action Date: 5/15/2006
Received Issue Date: 11/1/2006
Action: Monitoring Report - Semi-Annually
Doc Link:
Title Description Comments:

1Q06 GW Monitoring

Action Type: Other Regulatory Actions
Action Date: 5/4/2006
Received Issue Date: 5/4/2006
Action: Staff Letter - #20060504
Doc Link:
Title Description Comments:

LOP summary of action items from 5/3/04 meeting with RP and consultant

Action Type: Other Regulatory Actions
Action Date: 4/19/2006
Received Issue Date: 4/19/2006
Action: Staff Letter - #20060419
Doc Link:
Title Description Comments:

LOP comments on 12/9/05 subsurface vapor sampling report. Required RP to upload a workplan to evaluate potential inhalation risk to the occupants of the surrounding buildings and to re-collect a vapor sample from TVW-6. Reminded RP that required report on Interim Remedial Action was overdue and many required files have not been uploaded to GeoTracker.

Action Type: Response Requested - Reports
Action Date: 4/18/2006
Received Issue Date: 1/31/2008
Action: CAP/RAP - Feasibility Study Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5552758
Title Description Comments:

Two-Phase extraction testing report and resampling of TVW-6 vapor - Report dated 12/1/06 (includes installation of VMP-1 and VMP-2)

Action Type: Response Requested - Reports
Action Date: 12/27/2005
Received Issue Date: 8/24/2006
Action: Interim Remedial Action Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5552754
Title Description Comments:

Report on Interim Remedial Action - Report dated 6/13/06

Action Type: Other Regulatory Actions
Action Date: 12/13/2005
Received Issue Date: 12/13/2005
Action: Staff Letter - #20051213
Doc Link:
Title Description Comments:

LOP conditionally approved 9/12/05 TPE pilot testing workplan. Reminded RP that no report on subsurface vapor sampling approved 11/24/04 has been

uploaded and that submittal deadlines continue to be missed (e.g. the first Interim remedial action event was not performed until two weeks prior to the deadline for submitting a report covering all 6 planned remedial events).

Action Type: Response Requested - Reports
Action Date: 11/15/2005
Received Issue Date: 11/22/2005
Action: Monitoring Report - Semi-Annually
Doc Link:
Title Description Comments:

3Q05 GW Monitoring

Action Type: Other Regulatory Actions
Action Date: 11/1/2005
Received Issue Date: 11/1/2005
Action: Staff Letter - #20051101
Doc Link:
Title Description Comments:

LOP requests RP not to upload LOP letters to State GeoTracker database

Action Type: Other Regulatory Actions
Action Date: 10/11/2005
Received Issue Date: 10/11/2005
Action: Staff Letter - #20051011
Doc Link:
Title Description Comments:

LOP letter indicating the 2/14/05 Interim Remedial Action Plan and the 3/21/05 Remedial Screening Analysis have not been uploaded to the State Geotracker database as required

Action Type: Other Regulatory Actions
Action Date: 9/8/2005
Received Issue Date: 9/8/2005
Action: Staff Letter - #20050908
Doc Link:
Title Description Comments:

LOP indicates it is no longer necessary to submit paper copies of reports and workplans to LOP staff

Action Type: Response Requested - Workplans
Action Date: 9/6/2005
Received Issue Date: 4/30/2007
Action: Pilot Study / Treatability Workplan
Doc Link:
Title Description Comments:

Workplan to test feasibility of TPE and vertical extent of dissolved-phase - Pilot testing workplan dated 9/12/05, but it did not include required work to assess the offsite vertical extent of the dissolved-phase hydrocarbon plume. The vertical assessment portion was not uploaded until 4/30/07.

Action Type: Other Regulatory Actions
Action Date: 6/29/2005
Received Issue Date: 6/29/2005
Action: Staff Letter - #20050629
Doc Link:
Title Description Comments:

LOP comments on 2/14/05 Interim Remedial Action Plan, 3/11/05 Site Conceptual Model, 3/21/05 Remedial Screening Analysis, and 5/31/05 groundwater monitoring report. LOP conditionally approved proposed Interim Remedial Action (bioslurping). Required RP to upload a pilot testing workplan to evaluate the feasibility if two-phase extraction and to assess the offsite vertical extent of dissolved-phase hydrocarbons. Reminded RP that CPT-1 GeoWell and EDFs have not been uploaded as required.

Action Type: Response Requested - Reports
Action Date: 5/16/2005

Received Issue Date: 10/5/2005
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

4Q04 and 1Q05 GW Monitoring

Action Type: Response Requested - Reports
Action Date: 3/15/2005
Received Issue Date: 10/14/2005
Action: CAP/RAP - Other Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5665569
Title Description Comments:

Remedial Screening Analysis - Report dated 3/21/05

Action Type: Response Requested - Reports
Action Date: 2/28/2005
Received Issue Date: 1/30/2008
Action: Risk Assessment Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5665568
Title Description Comments:

Implementation of 6/22/04 workplan addendum for vapor sampling - Report dated 12/9/05 (TVW-1 through TVW-9). Date received is date all required files were uploaded to GeoTracker.

Action Type: Response Requested - Workplans
Action Date: 2/14/2005
Received Issue Date: 10/14/2005
Action: Interim Remedial Action Plan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5582947
Title Description Comments:

Interim RAP to remove NAPL near MW-2 and MW-12 - Plan dated 2/14/05

Action Type: Enforcement/Orders
Action Date: 12/6/2004
Received Issue Date: 12/6/2004
Action: Notice of Violation - #20041206
Doc Link:
Title Description Comments:

LOP issued Notice of Violation for continued mismanagement of NAPL collection. LOP reiterates that continued use of passive skimmers does not appear cost-effective and requests remedial action plan for more efficient NAPL removal in the vicinity of MW-2 and MW-12.

Action Type: Other Regulatory Actions
Action Date: 11/24/2004
Received Issue Date: 11/24/2004
Action: Staff Letter - #20041124
Doc Link:
Title Description Comments:

LOP comments on 6/22/04 workplan addendum for subsurface vapor sampling, 8/6/04 and 9/8/04 receptor survey reports, and 2Q04 and 3Q04 groundwater monitoring reports. LOP conditionally approved the workplan addendum and directed RP to perform semi-annual groundwater monitoring. LOP also required preparation of a Remedial Screening Analysis. LOP warns a Notice of Violation will be issued if improper groundwater monitoring practices continue in the future.

Action Type: Response Requested - Reports
Action Date: 9/21/2004
Received Issue Date: 4/20/2006
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5665666
Title Description Comments:

Implement onsite assessment portion of 3/10/04 workplan addendum - Site Conceptual Model dated 3/11/05 (CPT-1)

Action Type: Other Regulatory Actions
Action Date: 9/16/2004
Received Issue Date: 9/16/2004
Action: Staff Letter - #20040916
Doc Link:
Title Description Comments:

General letter to ConocoPhillips and Exxon indicating groundwater monitoring can be reduced to an annual frequency if five years of monitoring data and no operating remedial system, unstable plume, or potential impact to an identified or suspected receptor.

Action Type: Other Regulatory Actions
Action Date: 9/7/2004
Received Issue Date: 9/7/2004
Action: Technical Correspondence / Assistance / Other - #20040907
Doc Link:
Title Description Comments:

LOP email responding to consultant's 9/3/04 email. LOP approved reporting onsite and offsite soil/gw assessment work in one report (the SCM).

Action Type: Other Regulatory Actions
Action Date: 6/28/2004
Received Issue Date: 6/28/2004
Action: Staff Letter - #20040628
Doc Link:
Title Description Comments:

LOP notifies City of Millbrae regarding the potential effect of contamination at 5 El Camino Real on the proposed Village Properties development.

Action Type: Response Requested - Workplans
Action Date: 6/24/2004
Received Issue Date: 6/22/2004
Action: Soil and Water Investigation Workplan
Doc Link:
Title Description Comments:

2nd addendum for subsurface vapor sampling

Action Type: Other Regulatory Actions
Action Date: 5/25/2004
Received Issue Date: 5/25/2004
Action: Staff Letter - #20040525
Doc Link:
Title Description Comments:

LOP comments on progress of approved receptor survey. LOP indicates it is RP's responsibility to obtain a list of owners and map of parcels within the receptor survey area.

Action Type: Other Regulatory Actions
Action Date: 5/21/2004
Received Issue Date: 5/21/2004
Action: Staff Letter - #20040521
Doc Link:
Title Description Comments:

LOP comments on 2/18/04 letter, 2/27/04 status report containing the 3Q03 and 4Q03 monitoring reports, 3/10/04 workplan addendum, and 5/6/04 monitoring report. LOP approved onsite soil/gw assessment portion of workplan addendum, but not the subsurface vapor sampling portion. Required another (2nd) workplan addendum for subsurface vapor sampling. LOP directed RP to expand the upcoming offsite assessment report approved in 1/15/03 letter into a Site Conceptual Model and to begin to screen (in-house) potential remedial technologies that may be suitable for the subject site.

Action Type: Response Requested - Reports
Action Date: 5/20/2004
Received Issue Date: 4/20/2006

Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5665554
Title Description Comments:

Implement offsite portion of 9/24/03 workplan - Site Conceptual Model dated 3/11/05 (MW-13 through MW-16).

Action Type: Response Requested - Reports
Action Date: 5/20/2004
Received Issue Date: 9/13/2004
Action: Sensitive Receptor Survey Report
Doc Link:
Title Description Comments:

Sensitive Receptor Survey - Reports dated 8/6/04 and 9/8/04

Action Type: Response Requested - Workplans
Action Date: 3/11/2004
Received Issue Date: 3/11/2004
Action: Soil and Water Investigation Workplan - Addendum
Doc Link:
Title Description Comments:

Workplan addendum for vapor sampling and onsite soil/gw assessment - Workplan addendum dated 3/10/04

Action Type: Other Regulatory Actions
Action Date: 3/4/2004
Received Issue Date: 3/4/2004
Action: Staff Letter - #20040304
Doc Link:
Title Description Comments:

LOP indicated standalone quarterly status reports are not necessary. Requested RP to incorporate such data in the groundwater monitoring report.

Action Type: Response Requested - Other
Action Date: 2/19/2004
Received Issue Date: 2/19/2004
Action: Correspondence
Doc Link:
Title Description Comments:

Justify soil textures listed on logs or revise logs

Action Type: Other Regulatory Actions
Action Date: 1/15/2004
Received Issue Date: 1/15/2004
Action: Staff Letter - #20040115
Doc Link:
Title Description Comments:

LOP comments on 9/9/03 groundwater monitoring and well installation reports and 9/24/03 workplan. Required RP to explain why soil texture on log differs from lab report and to submit an addendum to the subsurface vapor sampling and onsite soil/gw assessment portion of the workplan. LOP conditionally approved receptor survey and offsite soil/gw portion of the workplan. Reminded RP that monitoring reports are not being submitted by the required deadline and that required files are not being uploaded to GeoTracker.

Action Type: Response Requested - Workplans
Action Date: 9/24/2003
Received Issue Date: 9/25/2003
Action: Soil and Water Investigation Workplan
Doc Link:
Title Description Comments:

Workplan to identify receptors and assess gw and subsurface vapor - Workplan dated 9/24/03

Action Type: Other Regulatory Actions

Action Date: 7/24/2003
Received Issue Date: 7/24/2003
Action: Staff Letter - #20030724B
Doc Link:
Title Description Comments:

LOP comments on 3/21/03 receptor survey, 4/22/03 well installation report (MW-6 and MW-8 through MW-10), 5/7/03 subsurface vapor sampling report, and 5/21/03 revised monitoring report. LOP required RP to submit a workplan to extend the receptor survey, further assess the extent of dissolved-phase hydrocarbons, and re-sample subsurface vapors. Reminded RP that all required files for the site assessment work have not been uploaded to GeoTracker as required.

Action Type: Other Regulatory Actions
Action Date: 7/24/2003
Received Issue Date: 7/24/2003
Action: Staff Letter - #20030724A
Doc Link:
Title Description Comments:

LOP comments on 5/6/03 Interim Remedial Action report. LOP did not consider the two-phase extraction test properly performed (considered the work as an interim remedial action and not suitable for evaluating if TPE could be a viable remedial option).

Action Type: Response Requested - Reports
Action Date: 5/22/2003
Received Issue Date: 5/21/2003
Action: Remedial Progress Report
Doc Link:
Title Description Comments:

Revised 1Q03 monitoring report

Action Type: Enforcement/Orders
Action Date: 4/22/2003
Received Issue Date: 4/22/2003
Action: Notice of Violation - #20030422
Doc Link:
Title Description Comments:

LOP issued Notice of Violation to RP for continued problems in properly reporting NAPL recovery data. LOP required revision of the 3/11/03 report.

Action Type: Notices
Action Date: 11/16/2000
Received Issue Date: 11/16/2000
Action: Notice of Responsibility - #20001116
Doc Link:
Title Description Comments:

Naming of Responsible Party. Refer to companion letter dated 11/15/00. Note - contamination was discivered during Unocal's tenure, so Chevron is technically the RP for this site.

Action Type: Cleanup Action
Action Date: 4/14/2009
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Two-phase extraction (TPE) pilot testing removed approximately 620 lbs TPHg from vapor and removed 3,673 gallons of groundwater

Action Type: Cleanup Action
Action Date: 12/4/2008
Received Issue Date:
Action: Free Product Removal
Doc Link:
Title Description Comments:

Manual and skimmer removal of free product from wells MW-1, MW-2, MW-3, MW-5, MW-11, MW-12, and RW-2 (refer to Table 4 in 1Q14 monitoring report). Does not include mass of free product removed by the use of Soakease socks in various wells which were installed in recent years.

Action Type: Response Requested - Reports
Action Date: 8/15/2012
Received Issue Date:
Action: Remedial Progress Report
Doc Link:
Title Description Comments:

2Q12 MPE System O&M Report - Task could not be implemented because RP wanted to perform another pilot test (refer to 7/22/11 workplan) and 4/12/12 pilot test report recommended preparing a revised RAP. LOP 8/13/12 letter approved preparing a revised RAP and LOP 6/11/13 letter established for new deadline for uploading first MPE system O&M report.

Action Type: Response Requested - Reports
Action Date: 6/15/2012
Received Issue Date:
Action: Remedial Progress Report
Doc Link:
Title Description Comments:

MPE System Start-up Report - Task could not be implemented because RP failed to install system

Action Type: Cleanup Action
Action Date: 2/10/2012
Received Issue Date:
Action: Soil Vapor Extraction (SVE)
Doc Link:
Title Description Comments:

SVE step and constant rate pilot test removed approximately 10 pounds TPHg in vapor. Approximately 32 gallons of water was removed during subsequent, but short-lived SVE/AS testing. Mass of hydrocarbons removed in groundwater was not reported, but is likely insignificant.

Action Type: Cleanup Action
Action Date: 2/7/2012
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Dual-Phase Extraction (DPE) pilot testing removed approximately 171 pounds of TPPH in vapor and removed 694 gallons of groundwater over 52.5 hours of operation. The mass of hydrocarbons in extracted groundwater was not reported, but is likely significantly less than what was reported in the vapor stream.

Action Type: Response Requested - Reports
Action Date: 8/10/2011
Received Issue Date:
Action: Well Installation Report
Doc Link:
Title Description Comments:

Installation of Extraction Wells - LOP rescinded task in 7/5/11 letter

Action Type: Response Requested - Reports
Action Date: 11/15/2014
Received Issue Date:
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5772937
Title Description Comments:

3Q14 Groundwater Monitoring and DPE System O&M and Start-up Report - LOP gave approval for this first O&M report to be included in the remediation system start-up report. UPDATE on 12/10/14 - RP failed to install DPE system in time to complete O&M portion of this task.

Action Type: Response Requested - Reports
Action Date: 12/31/2013
Received Issue Date:
Action: Well Installation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5898989
Title Description Comments:

Report discussing the destruction of MW-2, MW-3, RW-2, PZ-1, PZ-2, AS-1 and potentially MW-5 and MW-12 and the installation of wells MW-1R through MW-3R, MW-5R, MW-11R, MW-12R, RW-1R, RW-2R, SVE-1 and SVE-2 - Soft deadline (considered 6 months reasonable), though 6/11/13 could be interpreted as implying the completion deadline was 11/15/14 when the first O&M report was due. UPDATE - RP performed the field work in January and October 2015. UPDATE on 12/27/16 - task will be complete when EDFs #8013 and #7847, GeoWell #4729, GeoXY #9693, GeoZ #3567 and the GeoBore files for MW-2R, MW-11R, RW-2R, SVE-1 and SVE-2 are corrected. MW-2, MW-3, PZ-1 and PZ-2 may not have been properly destroyed. UPDATE on 4/19/17 - correction of GeoWell #4729 and GeoBore for MW-2R are only tasks remaining.

Action Type: Cleanup Action
Action Date: 12/18/1996
Received Issue Date:
Action: Excavation
Doc Link:
Title Description Comments:

Excavated 45 cu. yds. of soil surrounding P-4 and P-6 and an additional 72 cu. yds. from new trenches and site grading (approximately 117 tons assuming 1.6 tons per cubic yard of excavated soil). Actual mass of contaminants in the excavated soil was not reported and is significantly less than the 117 ton mass of soil that was excavated. The excavated soil was transported to Forward landfill in Manteca, California, on 1/3/97.

Action Type: Cleanup Action
Action Date: 2/20/1991
Received Issue Date:
Action: Excavation
Doc Link:
Title Description Comments:

Removed approximately 45 cubic yards of soil beneath the former waste oil UST to a depth of approximately 15 fbg (approximately 72 tons based assuming 1.6 tons per cubic yard of excavated soil). Actual mass of contaminants in the excavated soil was not reported and is significantly less than the 72 ton mass of soil that was excavated.

Action Type: Response Requested - Reports
Action Date: 2/15/2017
Received Issue Date:
Action: Remedial Progress Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5908263
Title Description Comments:

4Q16 Remediation O&M Report - Report did not detail additional wells required in closing paragraph of LOP 12/27/16 letter, nor did it discuss why the 7/29/16 DPE sampling data were not used in 3Q16 calculations. LOP will consider task complete when correct versions of EDFs #1243, #9357 and #9397 and GeoWell #1210 are uploaded and the EDF for the 11/8/16 groundwater analysis is uploaded..

Action Type: Cleanup Action
Action Date: 2/8/2017
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Action Type: Response Requested - Reports
Action Date: 12/30/2016
Received Issue Date:
Action: Well Installation Report
Doc Link:
Title Description Comments:

Installation of DPE monitoring wells midway between MW-2R and MW-11R and midway between MW-5R and SVE-1 - LOP 4/24/17 letter rescinded task based on abnormally low depth to groundwater conditions

Action Type: Cleanup Action

Action Date: 12/7/2016
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 11/10/2016
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 8/25/2016
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Extracted a total of approximately 123,720 gallons of groundwater between 9/29/16 and 12/28/16

Action Type: Cleanup Action
Action Date: 8/25/2016
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 5/17/2016
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Approximately 164,073 gallons of groundwater were discharged to the sanitary sewer from 6/30/16 through 9/29/16.

Action Type: Response Requested - Reports
Action Date: 5/15/2016
Received Issue Date:
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5871756
Title Description Comments:

1Q16 Groundwater Monitoring and DPE System O&M Report - Need to correct GeoWell #4562 and upload GeoWell for 3/3 and 3/4/16 gauging and EDF for 3/7/16 vapor effluent. UPDATE on 4/19/17 - task will be complete when GeoWell #4729 is corrected.

Action Type: Cleanup Action
Action Date: 4/22/2016
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

2/15/17 reported changed vapor recovery from 6,257 to 8,475 pounds of TPH

Action Type: Cleanup Action
Action Date: 2/6/2020
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 2/29/2016
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Approximately 171,122 gallons of groundwater were discharged to the sanitary sewer from 2/29/16 through 6/30/16. Pounds of HC removed from groundwater are from 2/29 though 5/17/16. System operated solely as a pump and treat system from 5/17 through 6/30/16.

Action Type: Cleanup Action
Action Date: 2/29/2016
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Approximately 171,122 gallons of groundwater were discharged to the sanitary sewer during the reporting period. Consultant estimated pounds of HC removed from vapor from 3/7 through 4/22/16 because SVE portion of system was shut-down on 5/17/16 due to a faulty valve and no vapor sample was collected during the reporting period after 4/22/16. Consultant estimated pounds of HC removed from groundwater from 2/29 though 5/17/16. System operated solely as a pump and treat system from 5/17 through 6/30/16.

Action Type: Response Requested - Reports
Action Date: 2/15/2016
Received Issue Date:
Action: Remedial Progress Report
Doc Link:
Title Description Comments:

4Q15 DPE System O&M Report - RP failed to install DPE system in time to complete O&M task

Action Type: Response Requested - Other
Action Date: 1/31/2016
Received Issue Date:
Action: Correspondence
Doc Link:
Title Description Comments:

Email regarding the condition of MW-12 - Soft deadline (considered 30 days reasonable). UPDATE on 8/29/16 - task no longer appears necessary because 1Q16 monitoring report indicates the well was gauged and sampled.

Action Type: Response Requested - Reports
Action Date: 8/15/2015
Received Issue Date:
Action: Remedial Progress Report
Doc Link:
Title Description Comments:

2Q15 DPE System O&M Report - RP failed to install DPE system in time to complete O&M task

Action Type: Response Requested - Reports
Action Date: 5/15/2015
Received Issue Date:
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100584&doc_id=5823855
Title Description Comments:

1Q15 Groundwater Monitoring and DPE System O&M Report - Ensure wells MW-4, MW-5, MW-7, and MW-9 were repaired (refer to 3Q14 report). RP failed to install DPE system in time to complete O&M portion of this task.

Action Type: Response Requested - Reports
Action Date: 2/15/2015
Received Issue Date:

Action: Remedial Progress Report
Doc Link:
Title Description Comments:

4Q14 DPE System O&M Report - RP failed to install DPE system in time to complete O&M task

Action Type: Cleanup Action
Action Date: 3/10/2003
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Two-phase extraction (TPE) pilot testing on MW-5 removed 604 lbs TPHg (potentially unrepresentative vapor sample submitted to laboratory) and approximately 2,000 gallons of groundwater. PID readings (not the proper instrument) suggested 2,257 pounds of TPHg recovered.

Action Type: Cleanup Action
Action Date: 8/21/2001
Received Issue Date:
Action: Free Product Removal
Doc Link:
Title Description Comments:

Manual and passive skimmer removal of free product from wells MW-2, MW-3, and MW-12 (refer to Table 4 in 1Q14 monitoring report).

Action Type: Leak Action
Action Date: 6/5/2000
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 12/18/1996
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 9/18/2018
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 6/11/2018
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 3/28/2018
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 3/28/2018

Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 12/19/2017
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 12/19/2017
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Action Type: Response Requested - Reports
Action Date: 11/15/2017
Received Issue Date:
Action: Pilot Study/ Treatability Report
Doc Link:
Title Description Comments:

Reperformance of 12/16/16 dewatering test if the depth to water in MW-4 decreases to <25 feet - Soft deadline (placeholder) because the work is dependent on changes in depth to groundwater that may not occur

Action Type: Cleanup Action
Action Date: 5/9/2006
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Two-phase extraction (TPE) pilot testing recovered approximately 56 pounds of TPHg in vapor and removed 2,338 gallons of groundwater

Action Type: Cleanup Action
Action Date: 12/16/2005
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Bioslurping from MW-2 and MW-12 recovered 67 pounds of TPH from vapor and 228 gallons of extracted groundwater

Action Type: Cleanup Action
Action Date: 9/26/2017
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 8/9/2017
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Action Type: Cleanup Action

Action Date: 6/14/2017
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 5/10/2017
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 3/30/2017
Received Issue Date:
Action: Dual Phase Extraction
Doc Link:
Title Description Comments:

Action Type: Response Requested - Reports
Action Date: 2/15/2021
Received Issue Date:
Action: Remedial Progress Report
Doc Link:
Title Description Comments:

4Q20 RPR

LUST Sites from GeoTracker Search - Site Maps (as of Feb 27, 2021)

Title: GEO_BORE (MW-2R)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5023050129/T0608100584.PDF
Size : 103 KB
Submitted By: ARCADIS (CONTRACTOR)
Submitted: 11/14/2017

Title: GEO_BORE (SVE-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3594542086/T0608100584.PDF
Size : 223 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 1/11/2017

Title: GEO_BORE (SVE-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1272615432/T0608100584.PDF
Size : 85 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 1/11/2017

Title: GEO_BORE (RW-2R)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6810800909/T0608100584.PDF
Size : 405 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 1/11/2017

Title: GEO_BORE (MW-11R)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7468253791/T0608100584.PDF
Size : 209 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 1/11/2017

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/1292152106/T0608100584.PDF
Size : 133 KB

Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/29/2016

Title: GEO_BORE (MW-12R)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3586165010/T0608100584.PDF
Size : 169 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/29/2016

Title: GEO_BORE (MW-1R)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1914595186/T0608100584.PDF
Size : 164 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/29/2016

Title: GEO_BORE (MW-5R)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5503416597/T0608100584.PDF
Size : 334 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/29/2016

Title: GEO_BORE (MW-3R)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8922373175/T0608100584.PDF
Size : 223 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/29/2016

Title: GEO BORE (RW-1R)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7134536027/T0608100584.PDF
Size : 420 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 8/6/2012

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/8042118847/T0608100584.PDF
Size : 290 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 4/12/2012

Title: GEO_BORE (PZ-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3952458202/T0608100584.PDF
Size : 151 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 4/12/2012

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/4323546648/T0608100584.PDF
Size : 318 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 4/12/2012

Title: GEO_BORE (AS-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4294672667/T0608100584.PDF
Size : 131 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 4/12/2012

Title: GEO_BORE (PZ-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9701827943/T0608100584.PDF
Size : 151 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 4/12/2012

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/2508431971/T0608100584.PDF
Size : 330 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 11/13/2009

Title: GEO_BORE (RW-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7666039884/T0608100584.PDF
Size : 175 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 11/13/2009

Title: GEO_BORE (RW-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8508141934/T0608100584.PDF
Size : 171 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 11/13/2009

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/4029650032/T0608100584.PDF
Size : 321 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 11/13/2009

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9807159900/T0608100584.PDF
Size : 304 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 4/23/2009

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/6623260319/T0608100584.pdf
Size : 170 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 6/20/2008

Title: GEO_BORE (CPT-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4605957508/T0608100584.pdf
Size : 202 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 6/20/2008

Title: GEO_BORE (CPT-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6261732339/T0608100584.pdf
Size : 203 KB
Submitted By: STANTEC (CONTRACTOR)
Submitted: 6/20/2008

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/6782580316/T0608100584.pdf
Size : 170 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 12/14/2007

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/4688586175/T0608100584.pdf
Size : 193 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 12/14/2007

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/8384094059/T0608100584.pdf
Size : 163 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 12/4/2007

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5600314080/T0608100584.pdf
Size : 182 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 7/31/2007

Title: GEO_BORE (VMP-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1221562266/T0608100584.pdf
Size : 70 KB

Submitted By: ANTEA (CONTRACTOR)
Submitted: 7/26/2007

Title: GEO_BORE (VMP-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1648421347/T0608100584.pdf
Size : 72 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 7/26/2007

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/8602172672/T0608100584.pdf
Size : 185 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 9/7/2006

Title: GEO_BORE (TVW-7)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5634353458/T0608100584.pdf
Size : 37 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 7/25/2006

Title: GEO_BORE (TVW-9)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6529660880/T0608100584.pdf
Size : 38 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 7/25/2006

Title: GEO_BORE (TVW-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6277622818/T0608100584.pdf
Size : 44 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 7/25/2006

Title: GEO_BORE (TVW-5)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3477482438/T0608100584.pdf
Size : 35 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 7/25/2006

Title: GEO_BORE (TVW-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7875211954/T0608100584.pdf
Size : 35 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 7/25/2006

Title: GEO_BORE (TVW-6)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6547866642/T0608100584.pdf
Size : 36 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 7/25/2006

Title: GEO_BORE (TVW-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7891141593/T0608100584.pdf
Size : 35 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 7/25/2006

Title: GEO_BORE (TVW-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8166427433/T0608100584.pdf
Size : 35 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 7/25/2006

Title: GEO_BORE (TVW-8)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6020129144/T0608100584.pdf
Size : 38 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 7/25/2006

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/2031584024/T0608100584.pdf
Size : 135 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 4/20/2006

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5085782706/T0608100584.pdf
Size : 137 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 11/10/2004

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/4949101090/T0608100584.pdf
Size : 50 KB
Submitted By: ANTEA (CONTRACTOR)
Submitted: 2/13/2004

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/2830152213/T0608100584.pdf
Size : 23 KB
Submitted By: DEANNA HARDING (CONTRACTOR)
Submitted: 5/22/2002

LUST Sites from GeoTracker Search - Documents (as of Feb 27, 2021)

Document Type: Site Documents
Document Date: 12/16/2020
Type: STAFF LETTER
Title: LOP LETTER CONCURRING WITH ADDITIONAL DPE OPERATION, NOTING THAT IF MASS REMOVAL RATES REMAIN LOW (I.E. <10 LBS/DAY) THROUGH NEXT REPORTING PERIOD IT WOULD BE ACCEPTABLE TO SHUT-DOWN SYSTEM AND INITIATE VERIFICATION MONITORING.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6453731
Size :
Submitted By: BRIAN GWINN (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 11/12/2020
Type: REMEDIAL PROGRESS REPORT
Title: REMEDIATION PROGRESS REPORT - THIRD QUARTER 2020
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3694240868/T0608100584.PDF
Size : 4,610 KB
Submitted By: GHD (CONTRACTOR)
Submitted:

Document Type: Monitoring Reports
Document Date: 11/10/2020
Type: MONITORING REPORT - SEMI-ANNUALLY
Title: SECOND SEMI-ANNUAL GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7317394554/T0608100584.PDF
Size : 12,681 KB
Submitted By: GHD (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 10/27/2020
Type: EMAIL CORRESPONDENCE
Title: GPP EMAIL CONCURRING WITH CONTINUED DPE SYSTEM OPERATION AND GW MONITORING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6450802
Size :
Submitted By: BRIAN GWINN (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 8/12/2020
Type: REMEDIAL PROGRESS REPORT
Title: REMEDIATION PROGRESS REPORT - SECOND QUARTER 2020
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4590767621/T0608100584.PDF
Size : 4,602 KB
Submitted By: GHD (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 8/7/2020
Type: CORRESPONDENCE
Title: MANAGEMENT OF CHANGE LETTER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1904180705/T0608100584.PDF
Size : 158 KB
Submitted By: GHD (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 7/16/2020
Type: EMAIL CORRESPONDENCE
Title: LOP EMAIL TO CONTINUE REMEDIAL SYSTEM OPERATION, GROUNDWATER MONITORING, AND
Size :
Submitted By: BRIAN GWINN (REGULATOR)
Submitted:

REPORTING PER PREVIOUSLY ESTABLISHED SCHEDULE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6441915

Document Type: Site Documents ***Size :*** 4,844 KB
Document Date: 5/15/2020 ***Submitted By:*** GHD (CONTRACTOR)
Type: PROGRESS REPORT (SOIL/GW/ UPDATES) ***Submitted:***
Title: REMEDIATION PROGRESS REPORT - FIRST QUARTER 2020
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6074761450/T0608100584.PDF

Document Type: Site Documents ***Size :***
Document Date: 5/12/2020 ***Submitted By:*** BRIAN GWINN (REGULATOR)
Type: EMAIL CORRESPONDENCE ***Submitted:***
Title: LOP EMAIL REGARDING OMISSION OF 1Q20 GW MON ACTIVITIES DUE TO SHELTER IN PLACE ORDER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6435207

Document Type: Site Documents ***Size :***
Document Date: 4/8/2020 ***Submitted By:*** BRIAN GWINN (REGULATOR)
Type: STAFF LETTER ***Submitted:***
Title: LOP COMMENTS TO DPE SYSTEM STATUS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6431879

Document Type: Site Documents ***Size :*** 180 KB
Document Date: 3/18/2020 ***Submitted By:*** GHD (CONTRACTOR)
Type: CORRESPONDENCE ***Submitted:***
Title: NOTICE OF REMEDIATION SYSTEM SHUTDOWN DUE TO SHELTER IN PLACE
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1849087059/T0608100584.PDF

Document Type: Site Documents ***Size :*** 195 KB
Document Date: 2/13/2020 ***Submitted By:*** GHD (CONTRACTOR)
Type: CORRESPONDENCE ***Submitted:***
Title: REMEDIATION PROGRESS REPORT - FOURTH QUARTER 2019
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6218545019/T0608100584.PDF

Document Type: Site Documents ***Size :***
Document Date: 12/10/2019 ***Submitted By:*** BRIAN GWINN (REGULATOR)
Type: STAFF LETTER ***Submitted:***
Title: LOP CONCURRENCE WITH CONTINUED DPE OPERATION AND AREA OF INFLUENCE EVALUATION.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6422446

Document Type: Site Documents ***Size :***
Document Date: 11/22/2019 ***Submitted By:*** BRIAN GWINN (REGULATOR)
Type: REMEDIAL PROGRESS REPORT ***Submitted:***
Title: 3Q19 RPR & GWMR
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&document_id=5996518

Document Type: Site Documents ***Size :***
Document Date: 11/8/2019 ***Submitted By:*** BRIAN GWINN (REGULATOR)
Type: REMEDIAL PROGRESS REPORT ***Submitted:***
Title: DPE SYSTEM STATUS UPDATE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&document_id=6009147

Document Type: Monitoring Reports ***Size :*** 6,209 KB
Document Date: 11/5/2019 ***Submitted By:*** GHD (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Title: SECOND SEMI-ANNUAL 2019 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8614355266/T0608100584.PDF

Document Type: Site Documents ***Size :***
Document Date: 10/25/2019 ***Submitted By:*** BRIAN GWINN (REGULATOR)
Type: REMEDIAL PROGRESS REPORT ***Submitted:***
Title: DPE SYSTEM STATUS UPDATE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&document_id=6007500

Document Type: Site Documents ***Size :***
Document Date: 10/11/2019 ***Submitted By:*** BRIAN GWINN (REGULATOR)
Type: REMEDIAL PROGRESS REPORT ***Submitted:***
Title: DPE SYSTEM STATUS UPDATE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&document_id=6006875

Document Type: Site Documents **Size :**
Document Date: 9/13/2019 **Submitted By:** BRIAN GWINN (REGULATOR)
Type: REMEDIAL PROGRESS REPORT **Submitted:**
Title: DPE SYSTEM STATUS UPDATE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&document_id=6004874

Document Type: Site Documents **Size :**
Document Date: 8/30/2019 **Submitted By:** BRIAN GWINN (REGULATOR)
Type: REMEDIAL PROGRESS REPORT **Submitted:**
Title: DPE SYSTEM STATUS UPDATE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&document_id=6003375

Document Type: Site Documents **Size :** 161 KB
Document Date: 8/19/2019 **Submitted By:** GHD (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: DPE SYSTEM STAUS UPDATE EMAIL
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3390474796/T0608100584.PDF

Document Type: Site Documents **Size :**
Document Date: 6/25/2019 **Submitted By:** BRIAN GWINN (REGULATOR)
Type: EMAIL CORRESPONDENCE **Submitted:**
Title: EMAIL UPDATE ON STATUS OF REMEDIAL SYSTEM RESTART
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&document_id=5998353

Document Type: Site Documents **Size :**
Document Date: 6/18/2019 **Submitted By:** BRIAN GWINN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP COMMENTS TO DPE SYSTEM STATUS, REQUIRE RESTART BY 7/20/19
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6406225

Document Type: Monitoring Reports **Size :** 11,029 KB
Document Date: 4/30/2019 **Submitted By:** ARCADIS (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 1Q19 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3805426478/T0608100584.PDF

Document Type: Site Documents **Size :**
Document Date: 4/9/2019 **Submitted By:** BRIAN GWINN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP LETTER INDICATING THAT REGULATORY CORRESPONDENCE WILL BE ADDRESSED TO BOTH CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY AND PHILLIPS 66 COMPANY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6398690

Document Type: Site Documents **Size :** 33 KB
Document Date: 3/22/2019 **Submitted By:** ARCADIS (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: NOTICE TO AGENCY OF CHANGE IN CONTACT INFORMATION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5343100428/T0608100584.PDF

Document Type: Site Documents **Size :**
Document Date: 2/26/2019 **Submitted By:** BRIAN GWINN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP CONCURRENCE WITH CONTINUED DPE SYSTEM OPERATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6386445

Document Type: Monitoring Reports **Size :** 3,890 KB
Document Date: 2/15/2019 **Submitted By:** ARCADIS (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 4Q18 QSR FINAL
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7237472772/T0608100584.PDF

Document Type: Monitoring Reports **Size :** 17,464 KB
Document Date: 11/15/2018 **Submitted By:** ARCADIS (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 3Q18 GROUNDWATER MONITORING AND DPE SYSTEM O&M REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1481406092/T0608100584.PDF

Document Type: Site Documents **Size :**
Document Date: 9/24/2018 **Submitted By:** (REGULATOR)

Type: CLEAN UP FUND - CASE CLOSURE REVIEW SUMMARY REPORT (RSR) **Submitted:**
Title: 6741 1ST RSR RATIONALE FOR ADDITIONAL WORK SEPTEMBER 2018
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6395959

Document Type: Site Documents **Size :**
Document Date: 9/4/2018 **Submitted By:** BRIAN GWINN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP LETTER COMMENTING ON 1Q18 AND 2Q18 REPORTS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6368766

Document Type: Site Documents **Size :** 7,999 KB
Document Date: 8/15/2018 **Submitted By:** ARCADIS (CONTRACTOR)
Type: OPERATION AND MAINTENANCE PLAN/MONITORING REPORT **Submitted:**
Title: 2Q18 DPE SYSTEM O&M REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5976324915/T0608100584.PDF

Document Type: Monitoring Reports **Size :** 29,571 KB
Document Date: 5/15/2018 **Submitted By:** ARCADIS (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1Q18 GROUNDWATER MONITORING AND DPE SYSTEM O&M REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8641113519/T0608100584.PDF

Document Type: Site Documents **Size :**
Document Date: 4/3/2018 **Submitted By:** BRIAN GWINN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP COMMENTS TO 4Q17 DPE SYSTEM OPS REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6353651

Document Type: Site Documents **Size :** 27,347 KB
Document Date: 2/14/2018 **Submitted By:** ARCADIS (CONTRACTOR)
Type: OPERATION AND MAINTENANCE PLAN/MONITORING REPORT **Submitted:**
Title: 4Q17 DPE SYSTEM O&M REPORT FIN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6899533212/T0608100584.PDF

Document Type: Site Documents **Size :**
Document Date: 1/8/2018 **Submitted By:** BRIAN GWINN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP CONCURS WITH CONTINUED DPE SYSTEM OPERATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6344971

Document Type: Monitoring Reports **Size :** 26,175 KB
Document Date: 11/15/2017 **Submitted By:** ARCADIS (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 3Q17 GROUNDWATER MONITORING AND DPE SYSTEM O&M REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1980386555/T0608100584.PDF

Document Type: Site Documents **Size :**
Document Date: 11/14/2017 **Submitted By:** BRIAN GWINN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP CONCURS WITH CONTINUED DPE SYSTEM OPERATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6341117

Document Type: Monitoring Reports **Size :** 13,505 KB
Document Date: 8/15/2017 **Submitted By:** ARCADIS (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 2Q17 GROUNDWATER MONITORING AND DPE SYSTEM O&M REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8580583572/T0608100584.PDF

Document Type: Monitoring Reports **Size :** 14,047 KB
Document Date: 5/16/2017 **Submitted By:** ARCADIS (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1Q17 GROUNDWATER MONITORING AND DPE SYSTEM O&M REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7000173985/T0608100584.PDF

Document Type: Site Documents **Size :**
Document Date: 4/24/2017 **Submitted By:** DENO MILANO (REGULATOR)

Type: STAFF LETTER **Submitted:**
Title: LOP STAFF COMMENTS ON 12/30/16 DPE SYSTEM DEWATERING PILOT TESTING REPORT AND 2/15/17 GROUNDWATER MONITORING AND DPE SYSTEM O&M REPORT. LOP DID NOT SUPPORT UST CLEANUP FUND REIMBURSEMENT OF COSTS ASSOCIATED WITH PILOT TEST. LOP RESCINDED 8/16 REQUIREMENT TO INSTALL TWO DPE OBSERVATION WELLS GIVEN CURRENT UNUSUAL DEPTH TO GROUNDWATER AND SUPPORTED PERFORMING ONE ADDITIONAL DEWATERING TEST WHEN DEPTH TO GROUNDWATER IN MW-4 BECOMES <25 FEET. LOP ONLY CONSIDERED IT NECESSARY TO COLLECT GROUNDWATER SAMPLES FROM THE DPE WELLS ON A SEMI-ANNUAL BASIS. LOP ALSO CAUTIONED CHEVRON ON NOT PROMPTLY JUSTIFYING TO GPP STAFF THAT REQUIRED CORRECTIVE ACTION IS NOT NECESSARY AND CAUTIONED REGISTERED PROFESSIONAL ON SUBMITTING FIGURES NOT SUPPORTED BY COLLECTED DATA.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6317910

Document Type: Monitoring Reports **Size :** 16,359 KB
Document Date: 2/15/2017 **Submitted By:** ARCADIS (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 4Q16 GROUNDWATER MONITORING AND DPE SYSTEM O&M REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6258001923/T0608100584.PDF

Document Type: Site Documents **Size :** 1,243 KB
Document Date: 12/30/2016 **Submitted By:** ARCADIS (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS **Submitted:**
Title: UNSOLICITED DPE SYSTEM EVALUATION REPORT (12/30/16)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6146677374/T0608100584.PDF

Document Type: Site Documents **Size :**
Document Date: 12/27/2016 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP STAFF COMMENTS ON 8/30/16 WELL INSTALLATION AND DESTRUCTION REPORT AND 11/15/16 GROUNDWATER MONITORING AND DPE SYSTEM O&M REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6307177

Document Type: Monitoring Reports **Size :** 19,005 KB
Document Date: 11/15/2016 **Submitted By:** ARCADIS (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 3Q16 GROUNDWATER MONITORING AND DPE SYSTEM O&M REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5771003425/T0608100584.PDF

Document Type: Site Documents **Size :**
Document Date: 8/31/2016 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP STAFF COMMENTS ON 5/13/16 GROUNDWATER MONITORING REPORT, 5/13/16 DPE SYSTEM INSTALLATION AND 1Q16 O&M REPORT, AND 8/12/16 DPE SYSTEM O&M REPORT.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6296767

Document Type: Site Documents **Size :** 13,849 KB
Document Date: 8/30/2016 **Submitted By:** STANTEC (CONTRACTOR)
Type: WELL INSTALLATION REPORT **Submitted:**
Title: WELL INSTALLATION AND DESTRUCTION REPORT (8/30/16)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1733832001/T0608100584.PDF

Document Type: Site Documents **Size :** 5,758 KB
Document Date: 8/12/2016 **Submitted By:** STANTEC (CONTRACTOR)
Type: REMEDIAL PROGRESS REPORT **Submitted:**
Title: 2Q16 DPE SYSTEM O&M REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4417967379/T0608100584.PDF

Document Type: Monitoring Reports **Size :** 4,144 KB
Document Date: 5/13/2016 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 1Q16 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4803736090/T0608100584.PDF

Document Type: Site Documents **Size :** 31,411 KB
Document Date: 5/13/2016 **Submitted By:** STANTEC (CONTRACTOR)
Type: REMEDIAL PROGRESS REPORT **Submitted:**
Title: DPE SYSTEM INSTALLATION AND STARTUP REPORT AND 1Q16 DPE SYSTEM O&M REPORT (5/13/16)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6390573859/T0608100584.PDF

Document Type: Site Documents **Size :** 81 KB
Document Date: 2/24/2016 **Submitted By:** STANTEC (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: PG&E ELECTRICAL INSTALLATION LETTER (2/24/16)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8247412979/T0608100584.PDF

Document Type: Site Documents **Size :** 115 KB
Document Date: 2/24/2016 **Submitted By:** STANTEC (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: STATUS OF REMEDIAL SYSTEM CONSTRUCTION AND NOTIFICATION (2/24/16)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3728311896/T0608100584.PDF

Document Type: Site Documents **Size :**
Document Date: 12/31/2015 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP STAFF COMMENTS ON 10/14/15 LETTER PROPOSING REMEDIAL OBJECTIVES FOR DPE SYSTEM AND 11/13/15 GROUNDWATER MONITORING REPORT. LOP CONDITIONALLY APPROVED REMEDIAL OBJECTIVES AND REQUIRED EMAIL STATUS ON CONDITION OF MW-12.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6271256

Document Type: Site Documents **Size :** 104 KB
Document Date: 12/17/2015 **Submitted By:** STANTEC (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: STATUS OF REMEDIAL SYSTEM CONSTRUCTION (12/17/15)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7313009679/T0608100584.PDF

Document Type: Monitoring Reports **Size :** 5,473 KB
Document Date: 11/13/2015 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 3Q15 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6840738654/T0608100584.PDF

Document Type: Site Documents **Size :** 143 KB
Document Date: 10/14/2015 **Submitted By:** STANTEC (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: MPE SYSTEM REMEDIAL OBJECTIVES (10/14/15)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8862905919/T0608100584.PDF

Document Type: Site Documents **Size :**
Document Date: 9/8/2015 **Submitted By:** DENO MILANO (REGULATOR)
Type: EMAIL CORRESPONDENCE **Submitted:**
Title: LOP STAFF EMAIL RESPONDING TO 8/21/15 LETTER PROVIDING A STATUS ON THE CONSTRUCTION OF THE REMEDIATION SYSTEM. LOP INDICATED AN NOV WILL BE ISSUED IF DPE SYSTEM OPERATION IS NOT COMMENCED BEFORE 2016 BECAUSE THE 6/11/13 LOP LETTER EXPECTED SYSTEM OPERATION TO COMMENCE BY 7/1/14.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6259797

Document Type: Site Documents **Size :** 103 KB
Document Date: 8/21/2015 **Submitted By:** STANTEC (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: STATUS OF REMEDIAL SYSTEM CONSTRUCTION (8/21/15)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9816519200/T0608100584.PDF

Document Type: Monitoring Reports **Size :** 4,953 KB
Document Date: 5/15/2015 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 1Q15 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8651010870/T0608100584.PDF

Document Type: Site Documents **Size :** 107 KB
Document Date: 4/30/2015 **Submitted By:** STANTEC (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS **Submitted:**
Title: STATUS OF REMEDIAL SYSTEM CONSTRUCTION (4/30/15)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7293924689/T0608100584.PDF

Document Type: Site Documents **Size :** 108 KB
Document Date: 3/5/2015 **Submitted By:** STANTEC (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS **Submitted:**
Title: STATUS OF REMEDIAL SYSTEM CONSTRUCTION (3/5/15)

Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5669817090/T0608100584.PDF

Document Type: Site Documents **Size :** 107 KB
Document Date: 2/5/2015 **Submitted By:** STANTEC (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: STATUS OF REMEDIAL SYSTEM CONSTRUCTION (2/3/15)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7003557324/T0608100584.PDF

Document Type: Site Documents **Size :**
Document Date: 2/3/2015 **Submitted By:** DENO MILANO (REGULATOR)
Type: EMAIL CORRESPONDENCE **Submitted:**
Title: LOP STAFF COMMENTS ON 3Q14 GROUNDWATER MONITORING REPORT. LOP INDICATED IT IS NOT NECESSARY TO GAUGE THE OFFSITE WELLS UNLESS IT IS THE QUARTER THEY ARE SCHEDULED FOR SAMPLING. LOP REQUIRED NEXT MONITORING REPORT TO DISCUSS WHY THE DISSOLVED-PHASE MTBE CONCENTRATIONS IN FORMER RW-1 WERE SIGNIFICANTLY LESS THAN IN ADJACENT REPLACEMENT WELL RW-1R AND TO VERIFY NO DEEP CULVERT ALONG MILLBRAE AVENUE CROSSING EL CAMINO REAL.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6235052

Document Type: Site Documents **Size :**
Document Date: 12/10/2014 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP STAFF COMMENTS ON 10/13/14 LETTER PROVIDING A STATUS ON THE INSTALLATION OF THE MPE SYSTEM AND REQUESTING AN EXTENSION OF THE 11/15/14 REPORTING DEADLINE. LOP DID NOT CONSIDER AN EXTENSION WARRANTED.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6230261

Document Type: Monitoring Reports **Size :** 11,205 KB
Document Date: 11/11/2014 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 3Q14 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2622346997/T0608100584.PDF

Document Type: Site Documents **Size :** 170 KB
Document Date: 10/13/2014 **Submitted By:** STANTEC (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: STATUS OF REMEDIAL SYSTEM CONSTRUCTION AND REQUEST FOR EXTENSION (10/13/14)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3229190886/T0608100584.PDF

Document Type: Site Documents **Size :**
Document Date: 10/8/2014 **Submitted By:** DENO MILANO (REGULATOR)
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Title: LOP STAFF COMMENTS ON 1Q14 GROUNDWATER MONITORING REPORT. LOP REMINDED RP TO UPLOAD MISSING GEOWELL NAPL GAUGING FILES (SECOND REMINDER), APPROVED RECOMMENDATION TO DISCONTINUE SAMPLING WELL AS-1, AND INDICATED IF A WELL IS COVERED BY A VEHICLE, THEN CONTRACTOR MUST RETURN TO THE SITE DURING THE MONITORED QUARTER UNTIL THE WELL IS GAUGED/SAMPLED.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6223691

Document Type: Monitoring Reports **Size :** 9,781 KB
Document Date: 5/15/2014 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 1Q14 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4156609714/T0608100584.PDF

Document Type: Monitoring Reports **Size :** 7,030 KB
Document Date: 11/15/2013 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 3Q13 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9729561984/T0608100584.PDF

Document Type: Site Documents **Size :** 80 KB
Document Date: 8/15/2013 **Submitted By:** STANTEC (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: NOTIFICATION OF CHANGE IN PROJECT MANAGER (8/15/13)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3624406337/T0608100584.PDF

Document Type: Site Documents **Size :**

Document Date: 6/11/2013 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP STAFF REVIEW OF 11/14/12 AND 5/15/13 GROUNDWATER MONITORING REPORTS AND 11/30/12 REVISED RAP. LOP APPROVED DISCONTINUING THE NAPL GAUGING AND COLLECTION PROGRAM (I.E. THE USE OF SOAKEASE), INDICATED AN NOV WILL BE ISSUED FOR FUTURE OCCURRENCES OF IMPROPER WELL MAINTAINANCE, AND REMINDED RP TO UPLOAD 10/21/11, 4/13/12, 6/7/12, AND 7/31/12 NAPL GAUGING GEOWELL FILES. LOP ALSO CONDITIONALLY APPROVED THE REVISED RAP.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6162275

Document Type: Monitoring Reports **Size :** 8,699 KB
Document Date: 5/15/2013 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 1Q13 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2928756654/T0608100584.PDF

Document Type: Site Documents **Size :** 9,855 KB
Document Date: 11/30/2012 **Submitted By:** STANTEC (CONTRACTOR)
Type: CAP/RAP - OTHER REPORT **Submitted:**
Title: REVISED REMEDIAL ACTION PLAN (11/30/12)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2875974535/T0608100584.PDF

Document Type: Monitoring Reports **Size :** 5,195 KB
Document Date: 11/14/2012 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 3Q12 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2650760710/T0608100584.PDF

Document Type: Site Documents **Size :**
Document Date: 8/13/2012 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP STAFF COMMENTS ON 4/12/12 DPE/SVE/AS PILOT TESTING REPORT AND 5/15/12 GROUNDWATER MONITORING REPORT. LOP APPROVED RECOMMENDATION TO PREPARE A REVISED RAP. LOP REQUIRED RP TO CORRECT THE GEOBORE FILE FOR RW-1R AND INDICATED NEW WELLS PZ-1 AND PZ-2 SHOULD BE SEMI-ANNUALLY GAUGED AND NEW WELLS RW-1R AND AS-1 SHOULD BE SEMI-ANNUALLY GAUGED AND SAMPLED.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6134044

Document Type: Monitoring Reports **Size :** 4,840 KB
Document Date: 5/15/2012 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 1Q12 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5300519824/T0608100584.PDF

Document Type: Site Documents **Size :** 14,631 KB
Document Date: 4/12/2012 **Submitted By:** STANTEC (CONTRACTOR)
Type: PILOT STUDY/ TREATABILITY REPORT **Submitted:**
Title: DPE & AS-SVE PILOT TESTING REPORT (4/12/12)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2432911694/T0608100584.PDF

Document Type: Monitoring Reports **Size :** 1,016 KB
Document Date: 4/12/2012 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: WASTE MANIFEST FOR 3Q11 MONITORING
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9197905778/T0608100584.PDF

Document Type: Site Documents **Size :**
Document Date: 12/5/2011 **Submitted By:** DENO MILANO (REGULATOR)
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Title: LOP EMAIL ACKNOWLEDGING THE 1Q11 GROUNDWATER MONITORING REPORT EVALUATED THE LOW GROUNDWATER ELEVATIONS IN MW-14
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6105408

Document Type: Site Documents **Size :**
Document Date: 11/28/2011 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP STAFF COMMENTS ON 7/22/11 DPE/AS/SVE PILOT TESTING WORKPLAN AND 11/14/11 GROUNDWATER MONITORING REPORT. LOP CONDITIONALLY APPROVED WORKPLAN, BUT INDICATED IT COULD NOT RECOMMEND THE UST CLEANUP FUND REIMBURSE THE COST OF THE WORK.

Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6104991

Document Type: Monitoring Reports — **Size :** 4,576 KB
Document Date: 11/15/2011 — **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY — **Submitted:**
Title: 3Q11 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9135724663/T0608100584.PDF

Document Type: Site Documents — **Size :** 3,724 KB
Document Date: 7/22/2011 — **Submitted By:** STANTEC (CONTRACTOR)
Type: PILOT STUDY / TREATABILITY WORKPLAN — **Submitted:**
Title: DPE AND AS/SVE PILOT TEST WORKPLAN (7/22/11)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3795273780/T0608100584.PDF

Document Type: Monitoring Reports — **Size :** 5,362 KB
Document Date: 7/7/2011 — **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY — **Submitted:**
Title: 1Q11 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7425290703/T0608100584.PDF

Document Type: Site Documents — **Size :**
Document Date: 7/5/2011 — **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER — **Submitted:**
Title: LOP COMMENTS ON 6/22/11 LETTER. LOP APPROVED RECOMMENDATION TO UPLOAD A PILOT TESTING WORKPLAN FOR EVALUATING THE FEASIBILITY OF DEEPER TPE AND USING SVE/AS. LOP RESCINDED REMEDIAL WELL INSTALLATION DELIVERABLE BECAUSE THE TYPE, NUMBER, AND CONSTRUCTION OF WELLS NECESSARY TO SATISFY THE REMEDIAL OBJECTIVE WILL NOT BE KNOWN UNTIL PILOT TESTING IS COMPLETED.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6091157

Document Type: Site Documents — **Size :** 255 KB
Document Date: 6/22/2011 — **Submitted By:** STANTEC (CONTRACTOR)
Type: CORRESPONDENCE — **Submitted:**
Title: PROPOSED MODIFICATIONS TO THE RAP (6/22/11)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4020356178/T0608100584.PDF

Document Type: Monitoring Reports — **Size :** 420 KB
Document Date: 6/14/2011 — **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY — **Submitted:**
Title: WASTE MANIFEST FOR 1Q11 GROUNDWATER MONITORING EVENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8291920483/T0608100584.PDF

Document Type: Site Documents — **Size :**
Document Date: 3/3/2011 — **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER — **Submitted:**
Title: LOP COMMENTS ON 11/15/10 GROUNDWATER MONITORING REPORT AND 11/19/10 REMEDIAL ACTION PLAN. LOP CONDITIONALLY APPROVED RAP FOR TWO-PHASE EXTRACTION SYSTEM. LOP ALSO REQUIRED THE RP TO JUSTIFY GROUNDWATER SAMPLING PUMP PLACEMENT AND EVALUATE POTENTIAL HYDRAULIC INFLUENCES ON MW-14 IN THE NEXT MONITORING REPORT. LOP APPROVED RECOMMENDATION TO REDUCE TO ANNUAL THE GW MONITORING FREQUENCY OF MW-4, MW-7, MW-8, MW-9, AND MW-13 THROUGH MW-15.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6079508

Document Type: Site Documents — **Size :**
Document Date: 1/3/2011 — **Submitted By:** DENO MILANO (REGULATOR)
Type: SOIL AND WATER INVESTIGATION REPORT — **Submitted:**
Title: PHASE II ESA FOR 39 THROUGH 49 EL CAMINO REAL - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&document_id=5706098

Document Type: Site Documents — **Size :** 14,506 KB
Document Date: 11/19/2010 — **Submitted By:** STANTEC (CONTRACTOR)
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN — **Submitted:**
Title: REMEDIAL ACTION PLAN (11/19/10)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7322983741/T0608100584.PDF

Document Type: Monitoring Reports — **Size :** 6,280 KB
Document Date: 11/15/2010 — **Submitted By:** STANTEC (CONTRACTOR)

Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 3Q10 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9976044654/T0608100584.PDF

Document Type: Site Documents **Size :**
Document Date: 10/13/2010 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP LETTER FOR OWNER OF 10 EL CAMINO REAL (SBA LOAN)
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6066674

Document Type: Site Documents **Size :**
Document Date: 9/20/2010 **Submitted By:** DENO MILANO (REGULATOR)
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Title: LOP EMAIL CONCURRING WITH RP'S RECOMMENDATION TO SUSPEND BI-WEEKLY NAPL MONITORING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6064328

Document Type: Site Documents **Size :**
Document Date: 9/8/2010 **Submitted By:** DENO MILANO (REGULATOR)
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Title: LOP EMAIL EXTENDING THE DEADLINE FOR UPLOADING THE RAP FROM 9/21/10 TO 11/22/10.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6063240

Document Type: Site Documents **Size :** 232 KB
Document Date: 8/30/2010 **Submitted By:** STANTEC (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: EXTENSION REQUEST LETTER (8/30/10)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2693276941/T0608100584.PDF

Document Type: Site Documents **Size :** 314 KB
Document Date: 8/30/2010 **Submitted By:** STANTEC (CONTRACTOR)
Type: SITE ASSESSMENT REPORT **Submitted:**
Title: ADDENDUM TO 4/23/09 SUB-SLAB VAPOR SAMPLING REPORT (8/30/10)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3918328702/T0608100584.PDF

Document Type: Site Documents **Size :** 1,526 KB
Document Date: 6/29/2010 **Submitted By:** STANTEC (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: SIGN INSTALLATION SOIL DISPOSAL AND THE WORKS IMPACT ON MW-2 (6/29/10)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1834908902/T0608100584.PDF

Document Type: Monitoring Reports **Size :** 10,804 KB
Document Date: 5/14/2010 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 1Q10 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5606436491/T0608100584.PDF

Document Type: Site Documents **Size :**
Document Date: 5/4/2010 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP COMMENTS ON 4/23/09 SUBSURFACE VAPOR SAMPLING REPORT, 11/13/09 WELL INSTALLATION REPORT, 11/13/09 GROUNDWATER MONITORING REPORT, 12/2/09 TWO-PHASE EXTRACTION PILOT TESTING REPORT, AND 12/2/09 CORRECTIVE ACTION PLAN. CONDITIONALLY APPROVED RECOMMENDATION TO PREPARE A REMEDIAL ACTION PLAN (RAP). REQUIRED RP TO VERIFY 3/23/09 GAUGING DATA FOR RW-1 AND RW-2 AND TO ENSURE FUTURE TABLES LIST ACCURATE SURVEY INFORMATION, AND REMINDED RP THAT EDF FOR TPE TEST GW FROM MW-5 AND MW-6 HAS NOT BEEN UPLOADED AS REQUIRED.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6049985

Document Type: Site Documents **Size :** 14,463 KB
Document Date: 12/2/2009 **Submitted By:** STANTEC (CONTRACTOR)
Type: FEASIBILITY STUDY REPORT **Submitted:**
Title: TWO-PHASE EXTRACTION (TPE) PILOT TESTING REPORT (12/2/09)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6110846281/T0608100584.PDF

Document Type: Site Documents **Size :** 10,785 KB
Document Date: 12/2/2009 **Submitted By:** STANTEC (CONTRACTOR)
Type: CAP/RAP - OTHER REPORT **Submitted:**

Title: CORRECTIVE ACTION PLAN (12/2/09)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7298471033/T0608100584.PDF

Document Type: Monitoring Reports **Size :** 9,288 KB
Document Date: 11/13/2009 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 3Q09 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6211862027/T0608100584.PDF

Document Type: Site Documents **Size :** 5,859 KB
Document Date: 11/13/2009 **Submitted By:** STANTEC (CONTRACTOR)
Type: WELL INSTALLATION REPORT **Submitted:**
Title: REMEDIATION WELL INSTALLATION REPORT (11/13/09)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4870790779/T0608100584.PDF

Document Type: Site Documents **Size :**
Document Date: 7/22/2009 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: SWRCB RESOLUTION 2009-042 LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6022404

Document Type: Monitoring Reports **Size :** 468 KB
Document Date: 6/17/2009 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - OTHER **Submitted:**
Title: ADDENDUM TO 1Q09 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3111230015/T0608100584.PDF

Document Type: Monitoring Reports **Size :** 5,453 KB
Document Date: 5/14/2009 **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 1Q09 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9744188606/T0608100584.PDF

Document Type: Site Documents **Size :** 4,479 KB
Document Date: 4/23/2009 **Submitted By:** STANTEC (CONTRACTOR)
Type: SITE INVESTIGATION **Submitted:**
Title: SUB-SLAB PROBE VAPOR SAMPLING REPORT (4/23/09)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5397060573/T0608100584.PDF

Document Type: Site Documents **Size :**
Document Date: 3/25/2009 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP CONDITIONALLY APPROVED 3/24/09 EMAIL REQUEST TO DESTROY MW-2 PROVIDING THE WELL COULD BE DAMAGED BY THE INSTALLATION OF NEW STATION SIGNAGE. INDICATED A REPLACEMENT WELL MAY BE REQUIRED DEPENDING ON THE RESULTS FROM RW-2.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=6007676

Document Type: Site Documents **Size :**
Document Date: 1/13/2009 **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LOP APPROVES RECOMMENDATION IN 3Q08 GROUNDWATER MONITORING REPORT TO PUMP/BAIL NAPL IN WELLS CONTAINING NAPL
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=5999251

Document Type: Site Documents **Size :**
Document Date: 12/2/2008 **Submitted By:** DENO MILANO (REGULATOR)
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Title: LOP EMAIL RESPONDING TO CONSULTANT'S 12/1/08 EMAIL. LOP STATES RP CAN PERFORM ANY WORK RP CONSIDERS NECESSARY AS LONG AS IT DOES NOT POSE A PUBLIC SAFETY RISK, BUT UST CLEANUP FUND MAY NOT REIMBURSE THE COST OF THE WORK.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=5994982

Document Type: Site Documents **Size :**
Document Date: 11/25/2008 **Submitted By:** DENO MILANO (REGULATOR)
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Title: LOP EMAIL RESPONDING TO CONSULTANT'S 11/24/08 EMAIL. LOP DID NOT CONSIDER USE OF A PERISTALTIC PUMP SUITABLE FOR NAPL MITIGATION.

Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=5994664

Document Type: Monitoring Reports | **Size :** 8,272 KB
Document Date: 11/14/2008 | **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY | **Submitted:**
Title: 3Q08 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9888733386/T0608100584.PDF

Document Type: Site Documents | **Size :** 320 KB
Document Date: 10/17/2008 | **Submitted By:** STANTEC (CONTRACTOR)
Type: SOIL AND WATER INVESTIGATION REPORT | **Submitted:**
Title: ADDENDUM TO 6/20/08 CPT ASSESSMENT REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4292693197/T0608100584.PDF

Document Type: Site Documents | **Size :**
Document Date: 10/7/2008 | **Submitted By:** DENO MILANO (REGULATOR)
Type: STAFF LETTER | **Submitted:**
Title: LOP COMMENTS ON 11/2/07 SUBSURFACE VAPOR SAMPLING REPORT, 5/23/08 TPE FEASIBILITY EVALUATION, AND 6/20/08 OFFSITE CPT REPORT. REQUIRED RP TO UPLOAD A CAP AND A LETTER DEMONSTRATING THE SUBSURFACE VAPOR SAMPLING SATISFIED THE OBJECTIVE OF WORK. LOP STATED RP COULD PROCEED WITH RECOMMENDED TPE PILOT TESTING, BUT LOP INDICATED IT COULD NOT SUPPORT UST CLEANUP FUND REIMBURSEMENT OF THE TPE TESTING COSTS BECAUSE THIS WOULD REPRESENT THE THIRD TPE TEST PERFORMED AT THE SITE. REQUIRED RP TO UPLOAD ALL REQUIRED FILES TO GEOTRACKER IF TPE TESTING PERFORMED AND TO ADDRESS LOP CONCERNS WITH THE PREVIOUS TPE PILOT TESTS.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608100584&enforcement_id=5990056

Document Type: Monitoring Reports | **Size :** 348 KB
Document Date: 8/28/2008 | **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY | **Submitted:**
Title: ADDENDUM TO 1Q08 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5704041004/T0608100584.PDF

Document Type: Site Documents | **Size :** 6,839 KB
Document Date: 6/20/2008 | **Submitted By:** STANTEC (CONTRACTOR)
Type: REPORTS - INVESTIGATION RPT. | **Submitted:**
Title: OFFSITE CPT ASSESSMENT REPORT (6/20/08)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5476624011/T0608100584.PDF

Document Type: Site Documents | **Size :** 1,933 KB
Document Date: 5/23/2008 | **Submitted By:** STANTEC (CONTRACTOR)
Type: CORRESPONDENCE - DIRECTIVE RELATED | **Submitted:**
Title: TPE FEASIBILITY EVALUATION (5/23/08)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3465395867/T0608100584.PDF

Document Type: Monitoring Reports | **Size :** 10,057 KB
Document Date: 5/15/2008 | **Submitted By:** STANTEC (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUAL | **Submitted:**
Title: 1Q08 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8756712973/T0608100584.PDF

Document Type: Site Documents | **Size :** 266 KB
Document Date: 12/14/2007 | **Submitted By:** ANTEA (CONTRACTOR)
Type: REPORTS - OTHER | **Submitted:**
Title: 3Q07 GROUNDWATER MONITORING CHAIN-OF-CUSTODY
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9478652060/T0608100584.PDF

Document Type: Monitoring Reports | **Size :** 5,270 KB
Document Date: 11/15/2007 | **Submitted By:** ANTEA (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUAL | **Submitted:**
Title: 3Q07 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7218506336/T0608100584.PDF

Document Type: Site Documents | **Size :** 7,095 KB
Document Date: 11/2/2007 | **Submitted By:** ANTEA (CONTRACTOR)
Type: REPORTS - RISK ASSESSMENT RELATED RPT. | **Submitted:**

Title: SUB-SLAB VAPOR SAMPLING REPORT (11/2/07)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6648259043/T0608100584.PDF

Document Type: Site Documents **Size :** 6,587 KB
Document Date: 5/16/2007 **Submitted By:** ANTEA (CONTRACTOR)
Type: REPORTS - QUARTERLY STATUS REPORT **Submitted:**
Title: 1Q07 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6838926017/T0608100584.PDF

Document Type: Site Documents **Size :** 2,525 KB
Document Date: 4/30/2007 **Submitted By:** ANTEA (CONTRACTOR)
Type: WORKPLANS - OTHER WP **Submitted:**
Title: WORKPLAN TO VERTICALLY ASSESS OFFSITE PLUME (4/30/07)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3377367913/T0608100584.PDF

Document Type: Site Documents **Size :** 5,235 KB
Document Date: 1/25/2007 **Submitted By:** ANTEA (CONTRACTOR)
Type: REPORTS - QUARTERLY STATUS REPORT **Submitted:**
Title: 3Q06 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1541277825/T0608100584.PDF

Document Type: Site Documents **Size :** 6,595 KB
Document Date: 12/4/2006 **Submitted By:** ANTEA (CONTRACTOR)
Type: REPORTS - OTHER **Submitted:**
Title: TWO-PHASE EXTRACTION (TPE) PILOT TESTING REPORT (12/1/06)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8988538444/T0608100584.PDF

Document Type: Site Documents **Size :** 1,127 KB
Document Date: 11/10/2006 **Submitted By:** ANTEA (CONTRACTOR)
Type: WORKPLANS - OTHER WP **Submitted:**
Title: SUB-SLAB VAPOR SAMPLING WORKPLAN (11/9/06)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4385207951/T0608100584.PDF

Document Type: Site Documents **Size :** 1,572 KB
Document Date: 6/13/2006 **Submitted By:** ANTEA (CONTRACTOR)
Type: REPORTS - REMEDIAL ACTION RPT. **Submitted:**
Title: REPORT ON INTERIM REMEDIAL ACTION (6/13/06)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6647038102/T0608100584.PDF

Document Type: Site Documents **Size :** 4,104 KB
Document Date: 5/24/2006 **Submitted By:** ANTEA (CONTRACTOR)
Type: REPORTS - QUARTERLY STATUS REPORT **Submitted:**
Title: 1Q06 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6661025822/T0608100584.PDF

Document Type: Site Documents **Size :** 9,239 KB
Document Date: 4/20/2006 **Submitted By:** ANTEA (CONTRACTOR)
Type: REPORTS - RISK ASSESSMENT RELATED RPT. **Submitted:**
Title: SITE CONCEPTUAL MODEL - TEXT THROUGH APPENDIX L (3/14/05)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6147474527/T0608100584.PDF

Document Type: Site Documents **Size :** 7,146 KB
Document Date: 4/20/2006 **Submitted By:** ANTEA (CONTRACTOR)
Type: REPORTS - RISK ASSESSMENT RELATED RPT. **Submitted:**
Title: SITE CONCEPTUAL MODEL - APPENDIX M AND N (3/14/05)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4759900748/T0608100584.PDF

Document Type: Site Documents **Size :** 4,326 KB
Document Date: 12/12/2005 **Submitted By:** ANTEA (CONTRACTOR)
Type: REPORTS - RISK ASSESSMENT RELATED RPT. **Submitted:**
Title: SUBSURFACE VAPOR SAMPLING REPORT (12/9/05)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5784239053/T0608100584.PDF

Document Type: Monitoring Reports **Size :** 4,539 KB
Document Date: 11/21/2005 **Submitted By:** ANTEA (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUAL **Submitted:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title: 3Q05 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4575565934/T0608100584.PDF

Document Type: Site Documents **Size :** 282 KB
Document Date: 10/14/2005 **Submitted By:** ANTEA (CONTRACTOR)
Type: REPORTS - REMEDIAL ACTION RPT. **Submitted:**
Title: REMEDIAL SCREENING ANALYSIS (3/21/05)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3146009147/T0608100584.PDF

Document Type: Site Documents **Size :** 369 KB
Document Date: 10/14/2005 **Submitted By:** ANTEA (CONTRACTOR)
Type: REPORTS - REMEDIAL ACTION RPT. **Submitted:**
Title: INTERIM REMEDIAL ACTION PLAN (2/14/05)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8397414982/T0608100584.PDF

Document Type: Site Documents **Size :** 1,035 KB
Document Date: 9/15/2005 **Submitted By:** ANTEA (CONTRACTOR)
Type: WORKPLANS - OTHER WP **Submitted:**
Title: TWO-PHASE EXTRACTION PILOT TEST WORKPLAN (12/12/05)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7170438468/T0608100584.PDF

Document Type: Monitoring Reports **Size :** 10,846 KB
Document Date: 6/30/2005 **Submitted By:** ANTEA (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUAL **Submitted:**
Title: 1Q05 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3751493155/T0608100584.PDF

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
92	3 of 4	NW	0.38 / 2,024.51	31.97 / 11	MILLBRAE 76 AUTO REPAIR 5 EL CAMINO REAL MILLBRAE CA 94030	RCRA TSD

EPA Handler ID: CAL000444705
Gen Status Universe: No Report
Contact Name: THOMAS NGUYEN
Contact Address: 5 EL CAMINO REAL , , MILLBRAE , CA, 94030 ,
Contact Phone No and Ext: 650-692-8222
Contact Email: SHOP@MILLBRAE76.COM
Contact Country:
Land Type:
County Name: SAN MATEO
EPA Region: 09
Receive Date: 20190322
Location Latitude: 37.598355
Location Longitude: -122.388219

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20190322
Handler Name: MILLBRAE 76 AUTO REPAIR
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: THOMAS NGUYEN
Date Became Current:
Date Ended Current:
Phone: 650-692-8222
Source Type: Implementer
Street No:
Street 1: 5 EL CAMINO REAL
Street 2:
City: MILLBRAE
State: CA
Country:
Zip Code: 94030

Owner/Operator Ind: Current Owner
Type: Other
Name: BAY AREA AUTO REPAIR INC
Date Became Current:
Date Ended Current:
Phone: 650-692-8222
Source Type: Implementer
Street No:
Street 1: 5 EL CAMINO REAL
Street 2:
City: MILLBRAE
State: CA
Country:
Zip Code: 94030

92	4 of 4	NW	0.38 / 2,024.51	31.97 / 11	***UNOCAL SERVICE STATION #3676 5 EL CAMINO REAL MILLBRAE CA 94030***	***LUST***

Global ID: T10000016875
Status: COMPLETED - CASE CLOSED
Status Date: 4/25/1991
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.59851
Longitude: -122.38804

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No:
Local Case No: 990036
Begin Date: 2/20/1991
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: YES
Potential Media of Concern:
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:
Potential COC:
How Discovered:
Stop Method:
Stop Description:
Case Worker: BG
File Location:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 4/25/1991
Action: Closure/No Further Action Letter - #19910425

Action Type: Other

Date : 2/21/1991
Action: Leak Reported

Action Type: RESPONSE
Date : 2/21/1991
Action: Unauthorized Release Form

Action Type: Other
Date : 2/20/1991
Action: Leak Discovery

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 4/25/1991

Status: Open - Case Begin Date
Status Date: 2/20/1991

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: UNOCAL SERVICE STATION #3676
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig: D
CUF Amount Paid:
File Location:
Potential COC: NONE SPECIFIED
Facility Type:
Composting Method:
Address: 5 EL CAMINO REAL
City: MILLBRAE
Zip: 94030
County: SAN MATEO
CUF Claim: 6741
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T10000016875
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 4/25/1991
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T10000016875&tabname=regulatoryhistory
Potential Media of Concern: NONE SPECIFIED
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 990036
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2)
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 4/25/1991

Status: Open - Case Begin Date
Date : 2/20/1991

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Other Regulatory Actions
Action Date: 4/25/1991
Received Issue Date: 4/25/1991
Action: Closure/No Further Action Letter - #19910425
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000016875&enforcement_id=6457374&temptable=ENFORCEMENT
Title Description Comments:

LOP NFA letter

Action Type: Response Requested - Other
Action Date: 2/21/1991
Received Issue Date: 2/21/1991
Action: Unauthorized Release Form
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000016875&doc_id=6042688
Title Description Comments:

Waste oil UST URF

Action Type: Leak Action
Action Date: 2/21/1991
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 2/20/1991
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

LUST Sites from GeoTracker Search - Documents (as of Feb 27, 2021)

Document Type: Site Documents
Document Date: 4/25/1991
Type: CLOSURE/NO FURTHER ACTION LETTER
Title: LOP NFA LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000016875&enforcement_id=6457374
Size :
Submitted By: BRIAN GWINN (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 2/21/1991
Type: UNAUTHORIZED RELEASE FORM
Title: WASTE OIL UST URF
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000016875&document_id=6042688
Size :
Submitted By: BRIAN GWINN (REGULATOR)
Submitted:

93	1 of 1	NNE	0.39 / 2,047.63	7.69 / -14	HANSEN PROPERTY 355 ADRIAN MILLBRAE CA 94030	LUST

Global ID: T0608100543
Status: COMPLETED - CASE CLOSED
Status Date: 9/24/1992
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.600202
Longitude: -122.380945

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41-0569
Local Case No: 990007
Begin Date: 10/30/1989
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: NO
Potential COC: Gasoline
How Discovered: Other Means
Stop Method: Other Means
Stop Description:
Case Worker: BG
File Location: Local Agency Warehouse
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 11/6/1991
Action: Notice of Responsibility - #1

Action Type: Other
Date : 10/30/1989
Action: Leak Discovery

Action Type: Other
Date : 10/30/1989
Action: Leak Reported

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone No:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 9/24/1992

Status: Open - Case Begin Date
Status Date: 10/30/1989

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: HANSEN PROPERTY
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig:
CUF Amount Paid:
File Location: LOCAL AGENCY WAREHOUSE
Potential COC: GASOLINE
Facility Type:
Composting Method:
Address: 355 ADRIAN
City: MILLBRAE
Zip: 94030
County: SAN MATEO
CUF Claim:

Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608100543
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 9/24/1992
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608100543&tabname=regulatoryhistory
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 990007
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0569
CASEWORKER: Regional Water Board
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 9/24/1992

Status: Open - Case Begin Date
Date : 10/30/1989

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Notices
Action Date: 11/6/1991
Received Issue Date: 11/6/1991
Action: Notice of Responsibility - #1
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 10/30/1989
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 10/30/1989
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

94	1 of 2	NNW	0.39 / 2,053.48	6.71 / -15	THRIFTY RENT-A-CAR 309 EAST MILLBRAE AVENUE MILLBRAE CA 94030	LUST

Global ID: T0608179893
Status: COMPLETED - CASE CLOSED
Status Date: 4/8/2009
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.6004209560844
Longitude: -122.383138968201

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No:
Local Case No: 990029
Begin Date: 10/8/2002
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: NO
Potential COC: Gasoline
How Discovered: Tank Closure
Stop Method: Close and Remove Tank
Stop Description:
Case Worker: BG
File Location: Local Agency
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 4/8/2009
Action: Closure/No Further Action Letter - #20090408

Action Type: ENFORCEMENT
Date : 3/4/2009
Action: Notification - Fee Title Owners Notice - #20090304

Action Type: ENFORCEMENT
Date : 12/1/2008
Action: File review

Action Type: ENFORCEMENT
Date : 2/4/2004
Action: Staff Letter - #20040204

Action Type: RESPONSE
Date : 2/2/2004
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 9/2/2003
Action: Preliminary Site Assessment Workplan

Action Type: ENFORCEMENT
Date : 8/26/2003
Action: Staff Letter - #20030826

Action Type: ENFORCEMENT
Date : 6/19/2003
Action: Notice of Responsibility - #1

Action Type: Other
Date : 10/8/2002
Action: Leak Discovery

Action Type: Other
Date : 10/8/2002
Action: Leak Began

Action Type: REMEDIATION
Date : 10/8/2002
Action: Pump & Treat (P&T) Groundwater

Action Type: Other
Date : 10/8/2002
Action: Leak Reported

Action Type: Other
Date : 10/8/2002
Action: Leak Stopped

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone No:

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 4/8/2009

Status: Open - Verification Monitoring
Status Date: 2/4/2004

Status: Open - Case Begin Date
Status Date: 10/8/2002

Status: Open - Site Assessment
Status Date: 10/8/2002

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: THRIFTY RENT-A-CAR
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig:
CUF Amount Paid:
Potential COC: GASOLINE
Facility Type:
Composting Method:
Address: 309 EAST MILLBRAE AVENUE
City: MILLBRAE
Zip: 94030
County: SAN MATEO
CUF Claim:
File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608179893
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 4/8/2009
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608179893&tabname=regulatoryhistory
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 990029
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2)
CASEWORKER: Regional Water Board
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 4/8/2009

Status: Open - Verification Monitoring
Date : 2/4/2004

Status: Open - Case Begin Date
Date : 10/8/2002

Status: Open - Site Assessment
Date : 10/8/2002

LUST Sites from GeoTracker Search - Cleanup Action Report (as of Feb 27, 2021)

Action Type: PUMP & TREAT (P&T) GROUNDWATER ***Begin Date:*** 10/8/2002
Phase: ***End Date:*** 11/5/2002
Contaminant Mass Removed:
Description:

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Other Regulatory Actions
Action Date: 4/8/2009
Received Issue Date: 4/8/2009
Action: Closure/No Further Action Letter - #20090408
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608179893&enforcement_id=6009844&temptable=ENFORCEMENT
Title Description Comments:

Closure Letter

Action Type: Notices
Action Date: 3/4/2009
Received Issue Date: 3/4/2009
Action: Notification - Fee Title Owners Notice - #20090304
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608179893&enforcement_id=6005523&temptable=ENFORCEMENT
Title Description Comments:

Property owner closure notification

Action Type: Other Regulatory Actions
Action Date: 12/1/2008
Received Issue Date: 12/1/2008
Action: File review
Doc Link:
Title Description Comments:

Closure Summary

Action Type: Other Regulatory Actions
Action Date: 2/4/2004
Received Issue Date: 2/4/2004
Action: Staff Letter - #20040204
Doc Link:
Title Description Comments:

Submit missing logs and revise site plan

Action Type: Response Requested - Reports
Action Date: 2/2/2004

Received Issue Date: 10/14/2003
Action: Soil and Water Investigation Report
Doc Link:
Title Description Comments:

Soil and Water Investigation Report

Action Type: Response Requested - Workplans
Action Date: 9/2/2003
Received Issue Date: 7/18/2003
Action: Preliminary Site Assessment Workplan
Doc Link:
Title Description Comments:

Preliminary Site Assessment Workplan

Action Type: Other Regulatory Actions
Action Date: 8/26/2003
Received Issue Date: 8/26/2003
Action: Staff Letter - #20030826
Doc Link:
Title Description Comments:

Implement Work Plan

Action Type: Notices
Action Date: 6/19/2003
Received Issue Date: 6/19/2003
Action: Notice of Responsibility - #1
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 10/8/2002
Received Issue Date:
Action: Leak Began
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 10/8/2002
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 10/8/2002
Received Issue Date:
Action: Leak Stopped
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 10/8/2002
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 10/8/2002

Received Issue Date:
Action: Pump & Treat (P&T) Groundwater
Doc Link:
Title Description Comments:

LUST Sites from GeoTracker Search - Documents (as of Feb 27, 2021)

Document Type: Site Documents
Size :
Document Date: 4/8/2009
Submitted By: JACOB MADDEN (REGULATOR)
Type: CLOSURE/NO FURTHER ACTION LETTER
Submitted:
Title: CLOSURE LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608179893&enforcement_id=6009844

Document Type: Site Documents
Size :
Document Date: 3/4/2009
Submitted By: JACOB MADDEN (REGULATOR)
Type: NOTIFICATION - FEE TITLE OWNERS NOTICE
Submitted:
Title: PROPERTY OWNER CLOSURE NOTIFICATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608179893&enforcement_id=6005523

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94 | ***2 of 2*** | ***NNW*** | ***0.39 / 2,053.48*** | ***6.71 / -15*** | ***THRIFTY RENT-A-CAR 309 EAST MILLBRAE AVENUE MILLBRAE CA 94030*** | ***LUST***

Global ID: T0608100799
County: SAN MATEO
Status: COMPLETED - CASE CLOSED
Latitude: 37.6004367623538
Status Date: 6/19/2001
Longitude: -122.383289733374
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41-0853
Potential COC: Gasoline
Local Case No: 990010
How Discovered: Other Means
Begin Date: 12/19/1990
Stop Method: Other Means
Lead Agency: SAN MATEO COUNTY LOP
Stop Description:
Local Agency: SAN MATEO COUNTY LOP
Case Worker: BG
CUF Case: NO
File Location: Local Agency Warehouse
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 6/21/1991
Action: Notice of Responsibility - #1

Action Type: Other
Date : 12/19/1990
Action: Leak Reported

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Address: 1515 CLAY ST SUITE 1400
Contact Name: Regional Water Board
Email:
City: OAKLAND
Phone No:
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 6/19/2001

Status: Open - Case Begin Date
Status Date: 12/19/1990

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: THRIFTY RENT-A-CAR
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig:
CUF Amount Paid:
Potential COC: GASOLINE
Facility Type:
Composting Method:
Address: 309 EAST MILLBRAE AVENUE
City: MILLBRAE
Zip: 94030
County: SAN MATEO
CUF Claim:
File Location: LOCAL AGENCY WAREHOUSE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608100799
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 6/19/2001
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608100799&tabname=regulatoryhistory
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 990010
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0853
CASEWORKER: Regional Water Board
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 6/19/2001

Status: Open - Case Begin Date
Date : 12/19/1990

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Notices
Action Date: 6/21/1991
Received Issue Date: 6/21/1991
Action: Notice of Responsibility - #1
Doc Link:
Title Description Comments:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action Type: Leak Action
Action Date: 12/19/1990
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

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95 | **1 of 2** | **NW** | **0.39 / 2,078.68** | **13.81 / -7** | **MILLBRAE BART**
200 MILLBRAE AVENUE
MILLBRAE CA 94030 | **VCP**

Estor/EPA ID: 60002244
Site Code: 202054
Nat Priority List: NO
Acres: 11 ACRES
Special Program:
Funding: SITE PROPONENT
Assembly District: , 22
Senate District: , 13
School District:
Permit Renewal Lead:
Project Manager: ROBERT BOGGS
Supervisor: KIMBERLY WALSH
Public Partici Spclst:
Census Tract: 6081604400
County: SAN MATEO
Latitude: 37.599908
Longitude: -122.38621
APN: NONE SPECIFIED
Cleanup Status: ACTIVE AS OF 8/1/2015
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: VOLUNTARY CLEANUP
Office: CLEANUP BERKELEY
Past Use that Caused Contam: MANUFACTURING - CERAMICS
Potential Media Affected: SOIL
Potential Contamin of Concern:

LEAD

Site History:

Former Ceramics Manufacturing Facility. Several interim uses, with the site currently being used as the Milbrae BART station.

Status: ACTIVE
Program Type: VOLUNTARY CLEANUP
CalEnviroScreen Score: 46-50%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60002244

Future Activities

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction
Due Date: 2022

Completed Activities

Title: Site Management Plan - Gateway at Millbrae Station Transit-Oriented Development
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002244&doc_id=60429737
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Soils Management Plan
Date Completed: 6/10/2017
Comments: Approved Site Management Plan

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002244&enforcement_id=60474807

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 3/6/2020
Comments:

Title: Annual Oversight Cost Estimate Letter
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002244&enforcement_id=60417342
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/5/2016
Comments:

Title: Voluntary Cleanup Agreement - Millbrae BART/Republic Millbrae LLC
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002244&enforcement_id=60401538
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Standard Voluntary Agreement
Date Completed: 10/22/2015
Comments: Signed VCA for development project at the Millbrae BART station.

Title: Work Plan for Data Gaps Evaluation - Millbrae BART Transit-Oriented Development
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002244&doc_id=60407001
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Workplan
Date Completed: 3/15/2016
Comments:

Title: SMP Addendum for Millbrae BART
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002244&doc_id=60474808
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Soils Management Plan
Date Completed: 1/30/2020
Comments: Conditional approval of addendum to the SMP.

Title: Annual Oversight Cost Estimate Letter
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002244&enforcement_id=60417343
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 12/14/2017
Comments:

Title: Millbrae BART Development - Community Profile
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Community Profile
Date Completed: 11/30/2016
Comments: Site was determined to require No Further Action.

Title: Results Report for the Data Gaps Evaluation.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002244&doc_id=60417338
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 4/25/2017
Comments: Investigation did not discover any areas of significant contamination. No Further Action is required.

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95 | ***2 of 2*** | ***NW*** | ***0.39 / 2,078.68*** | ***13.81 / -7*** | ***MILLBRAE BART 200 MILLBRAE AVENUE MILLBRAE CA 94030*** | ***ENVIROSTOR***

Estor/EPA ID: 60002244
Site Code: 202054
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract: 6081604400
Site Type: VOLUNTARY CLEANUP
Address Description: 200 MILLBRAE AVENUE
Office: CLEANUP BERKELEY
Special Program:
Funding: SITE PROPONENT
Assembly District: , 22
Senate District: , 13
Permit Renewal Lead:
Public Partici Spclst:
Project Manager: ROBERT BOGGS
County: SAN MATEO
Latitude: 37.599908
Longitude: -122.38621
Acres: 11 ACRES
Supervisor: KIMBERLY WALSH
Cleanup Status: ACTIVE AS OF 8/1/2015
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District:
Past Use that Caused Contam: MANUFACTURING - CERAMICS
Potential Media Affected: SOIL
Potential Contamin of Concern:

LEAD

Site History:

Former Ceramics Manufacturing Facility. Several interim uses, with the site currently being used as the Milbrae BART station.

Status: ACTIVE
A2 Program Type: VOLUNTARY CLEANUP
CalEnviroScreen Score: 46-50%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60002244

Future Activities

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction
Due Date: 2022

Completed Activities

Title: Site Management Plan - Gateway at Millbrae Station Transit-Oriented Development
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002244&doc_id=60429737
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Soils Management Plan
Date Completed: 6/10/2017
Comments: Approved Site Management Plan

Title: Work Plan for Data Gaps Evaluation - Millbrae BART Transit-Oriented Development
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002244&doc_id=60407001
Area Name:

Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Workplan
Date Completed: 3/15/2016
Comments:

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002244&enforcement_id=60474807
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 3/6/2020
Comments:

Title: Annual Oversight Cost Estimate Letter
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002244&enforcement_id=60417343
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 12/14/2017
Comments:

Title: Millbrae BART Development - Community Profile
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Community Profile
Date Completed: 11/30/2016
Comments: Site was determined to require No Further Action.

Title: SMP Addendum for Millbrae BART
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002244&doc_id=60474808
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Soils Management Plan
Date Completed: 1/30/2020
Comments: Conditional approval of addendum to the SMP.

Title: Annual Oversight Cost Estimate Letter
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002244&enforcement_id=60417342
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/5/2016
Comments:

Title: Voluntary Cleanup Agreement - Millbrae BART/Republic Millbrae LLC
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002244&enforcement_id=60401538
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Standard Voluntary Agreement
Date Completed: 10/22/2015
Comments: Signed VCA for development project at the Millbrae BART station.

Title: Results Report for the Data Gaps Evaluation.
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002244&doc_id=60417338

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 4/25/2017
Comments: Investigation did not discover any areas of significant contamination. No Further Action is required.

96	*1 of 2*	*E*	*0.40 / 2,099.31*	*9.42 / -12*	***BAYSTAR MEDICAL SERVICES*** ***1616 ROLLINS RD*** ***BURLINGAME CA***	***LOP*** ***SANMATEO***

Case No: 660059
APN: 025262510
Case Type: O- Other Groundwater affected (uses other than drinking water)
Global ID: T0608100061

LUST Status

Status: 9- Case Closed

96	*2 of 2*	*E*	*0.40 / 2,099.31*	*9.42 / -12*	***BAYSTAR MEDICAL SERVICES*** ***1616 ROLLINS*** ***BURLINGAME CA 94010***	***LUST***

Global ID: T0608100061
Status: COMPLETED - CASE CLOSED
Status Date: 3/18/1997
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.597097
Longitude: -122.377172

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41-0065
Local Case No: 660059
Begin Date: 4/20/1992
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: YES
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:
Potential COC: Gasoline
How Discovered: Other Means
Stop Method: Other Means
Stop Description:
Case Worker: BG
File Location: Local Agency

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: Other
Date : 4/20/1992
Action: Leak Discovery

Action Type: Other
Date : 4/20/1992
Action: Leak Reported

Action Type: ENFORCEMENT
Date : 4/20/1992
Action: Notice of Responsibility - #1

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone No:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 3/18/1997

Status: Open - Case Begin Date
Status Date: 4/20/1992

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: BAYSTAR MEDICAL SERVICES
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig: C
CUF Amount Paid: $59,311
Potential COC: GASOLINE
Facility Type:
Composting Method:
Address: 1616 ROLLINS
City: BURLINGAME
Zip: 94010
County: SAN MATEO
CUF Claim: 7394
File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608100061
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 3/18/1997
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608100061&tabname=regulatoryhistory
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 660059
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0065
CASEWORKER: Regional Water Board
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 3/18/1997

Status: Open - Case Begin Date
Date : 4/20/1992

LUST Sites from GeoTracker Search - Cleanup Action Report (as of Feb 27, 2021)

Action Type: EXCAVATION
Begin Date:

Phase: ***End Date:***
Contaminant Mass Removed:
Description:

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Notices
Action Date: 4/20/1992
Received Issue Date: 4/20/1992
Action: Notice of Responsibility - #1
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 4/20/1992
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 4/20/1992
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date:
Received Issue Date:
Action: Excavation
Doc Link:
Title Description Comments:

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97 | ***1 of 1*** | ***NW*** | ***0.42 / 2,223.72*** | ***30.09 / 9*** | ***39-49 EL CAMINO REAL 39-49 EL CAMINO REAL MILLBRAE CA 94030*** | ***CLEANUP SITES***

Global ID: T10000002843
Status: OPEN - INACTIVE
Status Date: 6/30/2014
Longitude: -122.388515
Site Facility Type: CLEANUP PROGRAM SITE
County: SAN MATEO
Latitude: 37.598943
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41S0190
Local Case No:
Begin Date: 2/4/2011
CUF Case: NO
Case Worker: UUU
File Location: All Files are on GeoTracker or in the Local Agency Database
Stop Method:
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency:
Potential COC: Tetrachloroethylene (PCE)
Potential Media of Concern: Indoor Air, Other Groundwater (uses other than drinking water), Soil, Soil Vapor
How Discovered:
How Discovered Description:
Stop Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:

The site is a multiple unit commercially developed building; a former dry cleaning operation existed in the area of the site that is currently used as an asphaltic paved parking lot. The operations of the former dry cleaner were from approximately 1961 through the early 1980's. The Limited Phase 2 ESA report prepared by Harris & Lee Environmental Sciences, LLC (HLENV) in January 2011 provides info about elevated concentrations of PCE in soil vapor, soil, and shallow groundwater beneath the subject site. The report documenting the further shallow soil characterization, shallow monitoring well installation, well development, survey, and January 2012 monitoring event was prepared by HLENV in April 2012. Two (2) groundwater monitoring wells installed into the shallow aquifer underlying the site (30 ft bgs); MW-1 up to 15,000 ug/L of PCE; P-11 soil sample at 3 ft bgs contained 660 ug/kg of PCE. Residual PCE remains in shallow soils and groundwater beneath the site that is most likely a result of previous site use (dry cleaner). An active gasoline station and underground storage tank (UST) investigation site located two parcels to the southeast at the intersection (western corner) of Millbrae Avenue and El Camino Real (5 El Camino Real). There is a monitoring well (MW-16) located on the subject site related to this nearby UST investigation. Sampling of that well has resulted in the detection of non-petroleum hydrocarbon related constituents PCE (1,000 ug/L) and TCE (26 ug/L).The local groundwater gradient during 1/2012 monitoring was very flat (0.009 ft/ft) in a southeast direction (S49E). 9/2012 groundwater monitoring results: MW-1 22,000 ug/L of PCE; MW-16 740 ug/L of PCE and 21 ug/L of TCE.

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 2016-01-29 00:00:00
Action: PRP Search Report

Action Type: RESPONSE
Date : 2013-04-10 00:00:00
Action: Verbal Communication

Action Type: ENFORCEMENT
Date : 2013-03-27 00:00:00
Action: Staff Letter

Action Type: RESPONSE
Date : 2013-02-25 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 2013-01-30 00:00:00
Action: Correspondence - Regulator Responded

Action Type: RESPONSE
Date : 2012-04-16 00:00:00
Action: Site Assessment Report

Action Type: ENFORCEMENT
Date : 2011-12-07 00:00:00
Action: Staff Letter

Action Type: RESPONSE
Date : 2011-11-02 00:00:00
Action: Site Investigation Workplan

Action Type: ENFORCEMENT
Date : 2011-07-18 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: ENFORCEMENT
Date : 2011-04-07 00:00:00
Action: Staff Letter

Action Type: ENFORCEMENT
Date : 2011-02-04 00:00:00
Action: Notification - Site Designation

Action Type: RESPONSE
Date : 2011-01-03 00:00:00
Action: Site Assessment Report

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Inactive
Status Date: 2014-06-30 00:00:00

Status: Open - Case Begin Date
Status Date: 2011-02-04 00:00:00

Status: Open - Site Assessment
Status Date: 2011-02-04 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Phone No:
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Email:
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND

Cleanup Program Sites from GeoTracker Search - Regulatory Profile (as of Feb 27, 2021)

Project Status:
CUF Claim:
CUF Priority Assign:
CUF Amount Paid:
Facility Type:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T10000002843
Cleanup Status Detail: OPEN - INACTIVE AS OF 6/30/2014
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T10000002843&tabname=regulatoryhistory
Potential COC: TETRACHLOROETHYLENE (PCE)
Potential Media of Concern: INDOOR AIR, OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER), SOIL, SOIL VAPOR
GW Monitoring Freq:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 41S0190
CASEWORKER: Regional Water Board
WDR Place Type:
WDR File:
WDR Order:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Composting Method:

Site History:

The site is a multiple unit commercially developed building; a former dry cleaning operation existed in the area of the site that is currently used as an asphaltic paved parking lot. The operations of the former dry cleaner were from approximately 1961 through the early 1980's. The Limited Phase 2 ESA report prepared by Harris & Lee Environmental Sciences, LLC (HLENV) in January 2011 provides info about elevated concentrations of PCE in soil vapor, soil, and shallow groundwater beneath the subject site. The report documenting the further shallow soil characterization, shallow monitoring well installation, well development, survey, and January 2012 monitoring event was prepared by HLENV in April 2012. Two (2) groundwater monitoring wells installed into the shallow aquifer underlying the site (30 ft bgs); MW-1 up to 15,000 ug/L of PCE; P-11 soil sample at 3 ft bgs contained 660 ug/kg of PCE. Residual PCE remains in shallow soils and groundwater beneath the site that is most likely a result of previous site use (dry cleaner). An active gasoline station and underground storage tank (UST) investigation site located two parcels to the southeast at the intersection (western corner) of Millbrae Avenue and El Camino Real (5 El Camino Real). There is a monitoring well (MW-16) located on the subject site related to this nearby UST investigation. Sampling of that well has resulted in the detection of non-petroleum hydrocarbon related constituents PCE (1,000 ug/L) and TCE (26 ug/L).The local groundwater gradient during 1/2012 monitoring was very flat (0.009 ft/ft) in a southeast direction (S49E). 9/2012 groundwater monitoring results: MW-1 22,000 ug/L of PCE; MW-16 740 ug/L of PCE and 21 ug/L of TCE.

Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Other Regulatory Actions
Action Date: 1/29/2016
Received Issue Date: 1/29/2016
Action: PRP Search Report
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000002843&enforcement_id=6275288&temptable=ENFORCEMENT

Title Description Comments:

United Artists Theatres RP/Ownership of Property at 39-49 EL Camino Real, Millbrae, CA

Action Type: Response Requested - Other
Action Date: 4/10/2013
Received Issue Date:
Action: Verbal Communication
Doc Link:
Title Description Comments:

New property owner to contact the Water Board to discuss their involvement in the cleanup and investigation of the property.

Action Type: Other Regulatory Actions
Action Date: 3/27/2013
Received Issue Date: 3/27/2013
Action: Staff Letter
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000002843&enforcement_id=6153485&temptable=ENFORCEMENT
Title Description Comments:

Letter notifying new property owner of cleanup and investigation related to the property.

Action Type: Response Requested - Other
Action Date: 2/25/2013
Received Issue Date: 2/25/2013
Action: Correspondence
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000002843&doc_id=5764934
Title Description Comments:

Correspondence Regarding Property Ownership and Cost Recovery

Action Type: Response Requested - Other
Action Date: 1/30/2013
Received Issue Date: 1/30/2013
Action: Correspondence - Regulator Responded
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000002843&doc_id=5762048
Title Description Comments:

Request to Add Additional Responsible Parties with regard to 39-49 El Camino Real

Action Type: Response Requested - Reports
Action Date: 4/16/2012
Received Issue Date: 4/16/2012
Action: Site Assessment Report
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000002843&doc_id=5783704
Title Description Comments:

Further Soil Characterization, Monitoring Well Installation, Development and Survey

Action Type: Other Regulatory Actions
Action Date: 12/7/2011
Received Issue Date: 12/7/2011
Action: Staff Letter
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000002843&enforcement_id=6105870&temptable=ENFORCEMENT
Title Description Comments:

email approval of work plan for soil investigation and monitoring well installation

Action Type: Response Requested - Workplans
Action Date: 11/2/2011
Received Issue Date: 11/2/2011
Action: Site Investigation Workplan

Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000002843&doc_id=5726908
Title Description Comments:

Work Plan for Further Soil Characterization and Quarterly groundwater Monitoring

Action Type: Other Regulatory Actions
Action Date: 7/18/2011
Received Issue Date: 7/18/2011
Action: Technical Correspondence / Assistance / Other
Doc Link:
Title Description Comments:

Phone discussion with HLENV (consultants). Based on indoor air sampling results, they will adjust building HVAC systems and resample prior to proposing next steps.

Action Type: Other Regulatory Actions
Action Date: 4/7/2011
Received Issue Date: 4/7/2011
Action: Staff Letter
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000002843&enforcement_id=6083355&temptable=ENFORCEMENT
Title Description Comments:

Approval of January 2011 Work Plan for Indoor Air Study

Action Type: Notices
Action Date: 2/4/2011
Received Issue Date: 2/4/2011
Action: Notification - Site Designation
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000002843&enforcement_id=6078568&temptable=ENFORCEMENT
Title Description Comments:

Water Board designated lead agency

Action Type: Response Requested - Reports
Action Date: 1/3/2011
Received Issue Date: 1/3/2011
Action: Site Assessment Report
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000002843&doc_id=5710352
Title Description Comments:

LIMITED PHASE 2 ENVIRONMENTAL SITE ASSESSMENT Jan 2011

Sites from GeoTracker Search - Documents (as of Feb 27, 2021)

Document Type: Site Documents ***Submitted:***
Document Date: 1/29/2016 ***Submitted By:*** (REGULATOR)
Size :
Title: UNITED ARTISTS THEATRES RP/OWNERSHIP OF PROPERTY AT 39-49 EL CAMINO REAL, MILLBRAE, CA
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000002843&enforcement_id=6275288
Type: PRP SEARCH REPORT

Document Type: Site Documents ***Submitted:***
Document Date: 3/27/2013 ***Submitted By:*** CHERYL PROWELL (REGULATOR)
Size :
Title: LETTER NOTIFYING NEW PROPERTY OWNER OF CLEANUP AND INVESTIGATION RELATED TO THE PROPERTY.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000002843&enforcement_id=6153485
Type: STAFF LETTER

Document Type: Site Documents ***Submitted:***
Document Date: 2/25/2013 ***Submitted By:*** CHERYL PROWELL (REGULATOR)
Size :

Title: CORRESPONDENCE REGARDING PROPERTY OWNERSHIP AND COST RECOVERY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000002843&document_id=5764934
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 1/30/2013 **Submitted By:** CHERYL PROWELL (REGULATOR)
Size :
Title: REQUEST TO ADD ADDITIONAL RESPONSIBLE PARTIES WITH REGARD TO 39-49 EL CAMINO REAL - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000002843&document_id=5762048
Type: CORRESPONDENCE

Document Type: Monitoring Reports **Submitted:**
Document Date: 10/24/2012* **Submitted By:** DAVID L. BUSH, PG (AUTH_RP)
Size : 682 KB
Title: SEPTEMBER 2012 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8548078417/T10000002843.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 7/19/2012* **Submitted By:** DAVID L. BUSH, PG (AUTH_RP)
Size : 807 KB
Title: JUNE 2012 MONITORING
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4314485073/T10000002843.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/16/2012 **Submitted By:** DAVID L. BUSH, PG (AUTH_RP)
Size : 3,507 KB
Title: FURTHER SOIL CHARACTERIZATION, MW INSTALLATION, JANUARY 27, 2012 MONITORING
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7906936585/T10000002843.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 12/7/2011 **Submitted By:** (REGULATOR)
Size :
Title: EMAIL APPROVAL OF WORK PLAN FOR SOIL INVESTIGATION AND MONITORING WELL INSTALLATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000002843&enforcement_id=6105870
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 11/2/2011 **Submitted By:** (REGULATOR)
Size :
Title: WORK PLAN FOR FURTHER SOIL CHARACTERIZATION AND QUARTERLY GROUNDWATER MONITORING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000002843&document_id=5726908
Type: SITE INVESTIGATION WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 4/7/2011 **Submitted By:** (REGULATOR)
Size :
Title: APPROVAL OF JANUARY 2011 WORK PLAN FOR INDOOR AIR STUDY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000002843&enforcement_id=6083355
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 2/4/2011 **Submitted By:** (REGULATOR)
Size :
Title: WATER BOARD DESIGNATED LEAD AGENCY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000002843&enforcement_id=6078568
Type: NOTIFICATION - SITE DESIGNATION

Document Type: Site Documents **Submitted:**
Document Date: 1/3/2011 **Submitted By:** (REGULATOR)
Size :
Title: LIMITED PHASE 2 ENVIRONMENTAL SITE ASSESSMENT JAN 2011
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000002843&document_id=5710352
Type: SITE ASSESSMENT REPORT

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Sites from GeoTracker Search - Cleanup Status History (as of Feb 27, 2021)

Status: Open - Inactive
Date : 6/30/2014

Status: Open - Site Assessment
Date : 2/4/2011

Status: Open - Case Begin Date
Date : 2/4/2011

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98 | ***1 of 2*** | ***E*** | ***0.42 / 2,231.50*** | ***9.80 / -12*** | ***TIMPAC***
1600 ROLLINS RD
BURLINGAME CA | ***LOP SANMATEO***

Case No: 660091
APN: 025262440
Case Type: O- Other Groundwater affected (uses other than drinking water)
Global ID: T0608194021

LUST Status

Status: 9- Case Closed

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98 | ***2 of 2*** | ***E*** | ***0.42 / 2,231.50*** | ***9.80 / -12*** | ***TIMPAC***
1600 ROLLINS
BURLINGAME CA 94010 | ***LUST***

Global ID: T0608194021
Status: COMPLETED - CASE CLOSED
Status Date: 1/24/2013
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.5952428524952
Longitude: -122.373511791229

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41-1276
Local Case No: 660091
Begin Date: 2/7/2001
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: YES
Potential COC: Gasoline
How Discovered: Other Means
Stop Method: Other Means
Stop Description:
Case Worker: BG
File Location: Local Agency
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:

Extracted from TEC's July 7, May 27, 2010 ,first quarter 2010 groundwater monitoring report, San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report. February 2001 Two 1,000 gallon USTs removed by TEC Accutite; significant concentrations of petroleum hydrocarbons present; 50 cubic yards of soil and 6,500 gallons of groundwater removed. June 2001 Eleven soil borings advanced onsite; reported dissolved-phase concentrations of petroleum hydrocarbons above Environmental Screening Levels (ESLs) for groundwater. March 2002 Three groundwater monitoring wells installed (MW-1 to MW-3); free product observed in monitoring well MW-1. June 2003 Two groundwater monitoring wells installed (MW-4 and MW-5); highest onsite petroleum hydrocarbon concentrations observed in new monitoring wells MW-4 and MW-5. Feb – March 2004 Eleven shallow soil borings advanced; five groundwater monitoring wells installed (MW-6 to MW-10); high petroleum hydrocarbon concentrations in soil detected under site building; potential risk to indoor air quality identified; petroleum hydrocarbon impact to groundwater defined in all directions. March 2004 Twenty-four hour enhanced fluid recovery event conducted; high-vacuum dual-phase extraction identified as viable remedial method. June 2004 Feasibility Study Workplan completed; high-vacuum dual-phase extraction considered best remedial alternative. October 2004 Remedial Action Plan submitted to SMCGPP. February 2005 Existing groundwater monitoring wells MW-4 and MW-5 modified for dual-phase extraction. March 2006 Dual-phase extraction system, groundwater treatment system, and thermal / catalytic oxidizer installed onsite; system begins continuous operation. May 2006 Remediation system start-up report submitted. November 2007 Site Assessment Workplan to evaluate remediation progress submitted to SMCGPP. February 2008 Modified groundwater extraction system begins operation utilizing 200 pound (lb) granular activated carbon (GAC) vessels to replace fouled 2,000 lb vessels. March 2008 Vapor extraction blower fails; soil vapor extraction is

deactivated pending blower replacement. July 2008 Fifteen passive soil gas and six active sub-slab soil vapor samples collected within the site building; soil borings B-24 through B-26 advanced. June 2009 Supplemental groundwater sampling conducted; bio-attenuation parameters evaluated. July 2009 Sub-slab vapor monitoring points (VMP-1 through VMP-5) installed in the site warehouse. August 2009 Replacement vacuum blower installed. September 2009 Indoor air samples (AV-1 through AV-5) and sub-slab vapor samples collected, petroleum and chlorinated hydrocarbons detected in all indoor air samples;vacuum system activated. March 2010 Remediation system deactivated.

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 1/24/2013
Action: Closure/No Further Action Letter - #20130124

Action Type: RESPONSE
Date : 12/21/2012
Action: Well Destruction Report

Action Type: ENFORCEMENT
Date : 7/26/2012
Action: Staff Letter - #20120726

Action Type: RESPONSE
Date : 5/15/2012
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 3/28/2012
Action: Technical Correspondence / Assistance / Other

Action Type: RESPONSE
Date : 11/15/2011
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 5/15/2011
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 5/13/2011
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Action Type: ENFORCEMENT
Date : 5/10/2011
Action: Staff Letter - #20110510

Action Type: RESPONSE
Date : 2/15/2011
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 11/15/2010
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 8/15/2010
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 5/15/2010
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 3/25/2010
Action: Staff Letter - #20100325

Action Type: RESPONSE
Date : 2/15/2010
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 1/21/2010
Action: Staff Letter - #20100121

Action Type: RESPONSE
Date : 11/15/2009
Action: Final Remedial Action Report / Corrective Action Report

Action Type: RESPONSE
Date : 8/15/2009
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 8/13/2009
Action: Staff Letter - #20090813

Action Type: ENFORCEMENT
Date : 7/8/2009
Action: Staff Letter - #20090708

Action Type: RESPONSE
Date : 5/18/2009
Action: Soil and Water Investigation Workplan

Action Type: RESPONSE
Date : 5/15/2009
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2/15/2009
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 1/20/2009
Action: Staff Letter - #20090120

Action Type: RESPONSE
Date : 11/15/2008
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 10/30/2008
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 8/15/2008
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 6/12/2008
Action: Staff Letter - #20080612

Action Type: RESPONSE
Date : 5/15/2008
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2/15/2008
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 11/15/2007
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 8/15/2007
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 5/15/2007
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 11/15/2006
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 8/15/2006
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 5/15/2006
Action: Remedial Progress Report

Action Type: RESPONSE
Date : 5/15/2006
Action: Monitoring Report - Quarterly

Action Type: REMEDIATION
Date : 3/21/2006
Action: In Situ Physical/Chemical Treatment (other than SVE)

Action Type: RESPONSE
Date : 11/15/2005
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 8/15/2005
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2/15/2005
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 11/18/2004
Action: Staff Letter - #20041118

Action Type: RESPONSE
Date : 11/15/2004
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 8/20/2004
Action: Corrective Action Plan / Remedial Action Plan

Action Type: RESPONSE
Date : 7/15/2004
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 7/2/2004
Action: Staff Letter - #20040702

Action Type: RESPONSE
Date : 6/11/2004
Action: CAP/RAP - Feasibility Study Report

Action Type: ENFORCEMENT
Date : 5/12/2004
Action: Staff Letter - #20040512

Action Type: RESPONSE
Date : 3/16/2004
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT

Date : 11/17/2003
Action: Staff Letter - #20031117

Action Type: RESPONSE
Date : 11/15/2003
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 10/10/2003
Action: Soil and Water Investigation Workplan

Action Type: ENFORCEMENT
Date : 8/15/2003
Action: Staff Letter - #20030815

Action Type: ENFORCEMENT
Date : 1/28/2003
Action: Staff Letter - #20030128

Action Type: ENFORCEMENT
Date : 2/15/2001
Action: Notice of Responsibility - #1

Action Type: Other
Date : 2/12/2001
Action: Leak Reported

Action Type: Other
Date : 2/7/2001
Action: Leak Discovery

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone No:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 1/24/2013

Status: Open - Verification Monitoring
Status Date: 3/25/2006

Status: Open - Remediation
Status Date: 3/21/2006

Status: Open - Remediation
Status Date: 5/12/2004

Status: Open - Site Assessment
Status Date: 2/7/2001

Status: Open - Case Begin Date
Status Date: 2/7/2001

LUST Sites from GeoTracker Search - Regulatory Profile

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site Facility Name:	TIMPAC	**Potential COC:**	GASOLINE
Site Facility Type:	LUST CLEANUP SITE	**Facility Type:**	
Cleanup Status:	COMPLETED - CASE CLOSED	**Composting Method:**	
Project Status:		**Address:**	1600 ROLLINS
WDR Place Type:		**City:**	BURLINGAME
WDR File:		**Zip:**	94010
WDR Order:		**County:**	SAN MATEO
CUF Priority Assig:	B	**CUF Claim:**	17644
CUF Amount Paid:	$1,123,618		

File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608194021
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 1/24/2013
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608194021&tabname=regulatoryhistory
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management: NOTIFY PRIOR TO CHANGE IN LAND USE
NOTIFY PRIOR TO DEVELOPMENT
NOTIFY PRIOR TO SUBSURFACE WORK
Future Land Use: COMMERCIAL
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 660091
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-1276
CASEWORKER: Regional Water Board
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

Extracted from TEC's July 7, May 27, 2010 ,first quarter 2010 groundwater monitoring report, San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report.

February 2001 Two 1,000 gallon USTs removed by TEC Accutite; significant concentrations of petroleum hydrocarbons present; 50 cubic yards of soil and 6,500 gallons of groundwater removed.

June 2001 Eleven soil borings advanced onsite; reported dissolved-phase concentrations of petroleum hydrocarbons above Environmental Screening Levels (ESLs) for groundwater.

March 2002 Three groundwater monitoring wells installed (MW-1 to MW-3); free product observed in monitoring well MW-1.

June 2003 Two groundwater monitoring wells installed (MW-4 and MW-5); highest onsite petroleum hydrocarbon concentrations observed in new monitoring wells MW-4 and MW-5.

Feb - March 2004 Eleven shallow soil borings advanced; five groundwater monitoring wells installed (MW-6 to MW-10); high petroleum hydrocarbon concentrations in soil detected under site building; potential risk to indoor air quality identified; petroleum hydrocarbon impact to groundwater defined in all directions.

March 2004 Twenty-four hour enhanced fluid recovery event conducted; high-vacuum dual-phase extraction identified as viable remedial method.

June 2004 Feasibility Study Workplan completed; high-vacuum dual-phase extraction considered best remedial alternative.

October 2004 Remedial Action Plan submitted to SMCGPP.

February 2005 Existing groundwater monitoring wells MW-4 and MW-5 modified for dual-phase extraction.

March 2006 Dual-phase extraction system, groundwater treatment system, and thermal / catalytic oxidizer installed onsite; system begins continuous operation.

May 2006 Remediation system start-up report submitted.

November 2007 Site Assessment Workplan to evaluate remediation progress submitted to SMCGPP.

February 2008 Modified groundwater extraction system begins operation utilizing 200 pound (lb)granular activated carbon (GAC) vessels to replace fouled 2,000 lb vessels.

March 2008 Vapor extraction blower fails; soil vapor extraction is deactivated pending blower replacement.

July 2008 Fifteen passive soil gas and six active sub-slab soil vapor samples collected within the site building; soil borings B-24 through B-26 advanced.

June 2009 Supplemental groundwater sampling conducted; bio-attenuation parameters evaluated.

July 2009 Sub-slab vapor monitoring points (VMP-1 through VMP-5) installed in the site warehouse.

August 2009 Replacement vacuum blower installed.

September 2009 Indoor air samples (AV-1 through AV-5) and sub-slab vapor samples collected, petroleum and chlorinated hydrocarbons detected in all indoor air samples;vacuum system activated.

March 2010 Remediation system deactivated.

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 1/24/2013

Status: Open - Verification Monitoring
Date : 3/25/2006

Status: Open - Remediation
Date : 3/21/2006

Status: Open - Remediation
Date : 5/12/2004

Status: Open - Site Assessment
Date : 2/7/2001

Status: Open - Case Begin Date
Date : 2/7/2001

LUST Sites from GeoTracker Search - Cleanup Action Report (as of Feb 27, 2021)

Action Type: IN SITU PHYSICAL/CHEMICAL TREATMENT (OTHER THAN SVE) ***Begin Date:*** 3/21/2006
Phase: Other (See Description), Water ***End Date:*** 3/15/2010
Contaminant Mass Removed: 3,170 Pounds
Description:

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Other Regulatory Actions
Action Date: 1/24/2013
Received Issue Date: 1/24/2013
Action: Closure/No Further Action Letter - #20130124
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608194021&enforcement_id=6148347&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Response Requested - Reports
Action Date: 12/21/2012
Received Issue Date: 1/7/2013
Action: Well Destruction Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608194021&doc_id=5744126
Title Description Comments:

Action Type: Other Regulatory Actions
Action Date: 7/26/2012
Received Issue Date: 7/26/2012
Action: Staff Letter - #20120726
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?

global_id=T0608194021&enforcement_id=6131328&temptable=ENFORCEMENT

Title Description Comments:

Request for well destruction prior to case closure

Action Type: Response Requested - Reports
Action Date: 5/15/2012
Received Issue Date: 4/5/2012
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608194021&doc_id=5723133
Title Description Comments:

1st qtr 2012 vapor monitoring report

Action Type: Other Regulatory Actions
Action Date: 3/28/2012
Received Issue Date: 3/28/2012
Action: Technical Correspondence / Assistance / Other
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608194021&enforcement_id=6116939&temptable=ENFORCEMENT
Title Description Comments:

Response to 2/22/2012 FUND Review Update

Action Type: Response Requested - Reports
Action Date: 11/15/2011
Received Issue Date: 10/5/2011
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608194021&doc_id=5712964
Title Description Comments:

semi-annual vapor monitoring report-third qtr 2011

Action Type: Response Requested - Reports
Action Date: 5/15/2011
Received Issue Date: 4/4/2011
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608194021&doc_id=5706774
Title Description Comments:

1st quarter 2011 qms rpt

Action Type: Other Regulatory Actions
Action Date: 5/13/2011
Received Issue Date: 5/13/2011
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608194021&enforcement_id=6392660&temptable=ENFORCEMENT
Title Description Comments:

UST Cleanup Fund -5yrReview2011

Action Type: Other Regulatory Actions
Action Date: 5/10/2011
Received Issue Date: 5/10/2011
Action: Staff Letter - #20110510
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608194021&enforcement_id=6086325&temptable=ENFORCEMENT
Title Description Comments:

Request for additional sub-slab vapor data and denial of closure request

Action Type: Response Requested - Reports
Action Date: 2/15/2011

Received Issue Date: 1/31/2011
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608194021&doc_id=5698613
Title Description Comments:

4th qtr 2010 qms report with rebound evaluation

Action Type: Response Requested - Reports
Action Date: 11/15/2010
Received Issue Date: 10/19/2010
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608194021&doc_id=5698612
Title Description Comments:

3rd qtr 2010 qms report

Action Type: Response Requested - Reports
Action Date: 8/15/2010
Received Issue Date: 7/29/2010
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608194021&doc_id=5659288
Title Description Comments:

2nd qtr 2010 qms report with rebound evaluation

Action Type: Response Requested - Reports
Action Date: 5/15/2010
Received Issue Date: 5/27/2010
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608194021&doc_id=5668965
Title Description Comments:

1st qtr 2010 qms, o&m and well abandonment report

Action Type: Other Regulatory Actions
Action Date: 3/25/2010
Received Issue Date: 3/25/2010
Action: Staff Letter - #20100325
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608194021&enforcement_id=6046569&temptable=ENFORCEMENT
Title Description Comments:

request for system shut down with rebound evaluation

Action Type: Response Requested - Reports
Action Date: 2/15/2010
Received Issue Date: 3/15/2010
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608194021&doc_id=5658584
Title Description Comments:

4th Qtr 2009 QMS and O&M

Action Type: Other Regulatory Actions
Action Date: 1/21/2010
Received Issue Date: 1/21/2010
Action: Staff Letter - #20100121
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608194021&enforcement_id=6041175&temptable=ENFORCEMENT
Title Description Comments:

Remedial comments and suggestion to evaluate shut down

Action Type: Response Requested - Reports

Action Date: 11/15/2009
Received Issue Date: 12/11/2009
Action: Final Remedial Action Report / Corrective Action Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608194021&doc_id=5629221
Title Description Comments:

3rd qtr QMS O&M Vapor results and Site specific clean-up goals

Action Type: Response Requested - Reports
Action Date: 8/15/2009
Received Issue Date: 9/17/2009
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608194021&doc_id=5640021
Title Description Comments:

2nd qtr 2009 qms rpt

Action Type: Other Regulatory Actions
Action Date: 8/13/2009
Received Issue Date: 8/13/2009
Action: Staff Letter - #20090813
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608194021&enforcement_id=6027553&temptable=ENFORCEMENT
Title Description Comments:

conditional WP approval

Action Type: Other Regulatory Actions
Action Date: 7/8/2009
Received Issue Date: 7/8/2009
Action: Staff Letter - #20090708
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608194021&enforcement_id=6019583&temptable=ENFORCEMENT
Title Description Comments:

Res 2009-042

Action Type: Response Requested - Workplans
Action Date: 5/18/2009
Received Issue Date: 6/29/2009
Action: Soil and Water Investigation Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608194021&doc_id=5629220
Title Description Comments:

Indoor Vapor Sampling Workplan

Action Type: Response Requested - Reports
Action Date: 5/15/2009
Received Issue Date: 6/3/2009
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608194021&doc_id=5641779
Title Description Comments:

1st qtr 2009 O&M and QMS report

Action Type: Response Requested - Reports
Action Date: 2/15/2009
Received Issue Date: 3/2/2009
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608194021&doc_id=5629164
Title Description Comments:

Fourth qtr 2008 O&M and GW monitoring rpt

Action Type: Other Regulatory Actions
Action Date: 1/20/2009
Received Issue Date: 1/20/2009
Action: Staff Letter - #20090120
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608194021&enforcement_id=6000025&temptable=ENFORCEMENT
Title Description Comments:

Remediation Investigation Response Letter

Action Type: Response Requested - Reports
Action Date: 11/15/2008
Received Issue Date: 12/23/2008
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608194021&doc_id=5629159
Title Description Comments:

Third qtr 2008 O&M and GW monitoring rpt

Action Type: Response Requested - Reports
Action Date: 10/30/2008
Received Issue Date: 10/8/2008
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608194021&doc_id=5589139
Title Description Comments:

Remediation Progress Investigation Report - Remediation progress confirmation sampling

Action Type: Response Requested - Reports
Action Date: 8/15/2008
Received Issue Date: 9/3/2008
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly - 2nd quarter gw mon and o&m report

Action Type: Other Regulatory Actions
Action Date: 6/12/2008
Received Issue Date: 6/12/2008
Action: Staff Letter - #20080612
Doc Link:
Title Description Comments:

Remediation progress confirmation sampling

Action Type: Response Requested - Reports
Action Date: 5/15/2008
Received Issue Date: 5/19/2008
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly - TEC Accutite's 5/15/08 report

Action Type: Response Requested - Reports
Action Date: 2/15/2008
Received Issue Date: 3/21/2008
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly - TEC Accutite's 3/21/08 report

Action Type: Response Requested - Reports
Action Date: 11/15/2007
Received Issue Date: 11/20/2007
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly - TEC Accutite's 11/15/07 report

Action Type: Response Requested - Reports
Action Date: 8/15/2007
Received Issue Date: 8/8/2007
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly - TEC Accutite's 7/30/07 report

Action Type: Response Requested - Reports
Action Date: 5/15/2007
Received Issue Date: 5/10/2007
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly - 1 QTR 2007 QMR

Action Type: Response Requested - Reports
Action Date: 11/15/2006
Received Issue Date: 11/9/2006
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly

Action Type: Response Requested - Reports
Action Date: 8/15/2006
Received Issue Date: 8/10/2006
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly

Action Type: Response Requested - Reports
Action Date: 5/15/2006
Received Issue Date: 5/30/2006
Action: Remedial Progress Report
Doc Link:
Title Description Comments:

Remedial Progress Report - TEC Accutite's 5/30/07 report

Action Type: Response Requested - Reports
Action Date: 5/15/2006
Received Issue Date: 5/25/2006
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly

Action Type: Response Requested - Reports
Action Date: 11/15/2005
Received Issue Date: 10/20/2005
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly

Action Type: Response Requested - Reports
Action Date: 8/15/2005
Received Issue Date: 4/11/2005
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly

Action Type: Response Requested - Reports
Action Date: 2/15/2005
Received Issue Date: 12/14/2004
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly

Action Type: Other Regulatory Actions
Action Date: 11/18/2004
Received Issue Date: 11/18/2004
Action: Staff Letter - #20041118
Doc Link:
Title Description Comments:

Remedial action implementation

Action Type: Response Requested - Reports
Action Date: 11/15/2004
Received Issue Date: 9/20/2004
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly

Action Type: Response Requested - Workplans
Action Date: 8/20/2004
Received Issue Date: 11/1/2004
Action: Corrective Action Plan / Remedial Action Plan
Doc Link:
Title Description Comments:

Corrective Action Plan / Remedial Action Plan

Action Type: Response Requested - Reports
Action Date: 7/15/2004
Received Issue Date: 7/1/2004
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly

Action Type: Other Regulatory Actions
Action Date: 7/2/2004
Received Issue Date: 7/2/2004
Action: Staff Letter - #20040702
Doc Link:
Title Description Comments:

REQUESTED RAP

Action Type: Response Requested - Reports
Action Date: 6/11/2004
Received Issue Date: 6/21/2004
Action: CAP/RAP - Feasibility Study Report
Doc Link:
Title Description Comments:

CAP/RAP - Feasibility Study Report

Action Type: Other Regulatory Actions
Action Date: 5/12/2004
Received Issue Date: 5/12/2004
Action: Staff Letter - #20040512
Doc Link:
Title Description Comments:

REQUESTED FS WORK PLAN

Action Type: Response Requested - Reports
Action Date: 3/16/2004
Received Issue Date: 5/10/2004
Action: Soil and Water Investigation Report
Doc Link:
Title Description Comments:

MTBE Investigation Report

Action Type: Other Regulatory Actions
Action Date: 11/17/2003
Received Issue Date: 11/17/2003
Action: Staff Letter - #20031117
Doc Link:
Title Description Comments:

APPROVED WKPLN

Action Type: Response Requested - Reports
Action Date: 11/15/2003
Received Issue Date: 8/14/2003
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly

Action Type: Response Requested - Workplans
Action Date: 10/10/2003
Received Issue Date: 10/28/2004
Action: Soil and Water Investigation Workplan
Doc Link:
Title Description Comments:

MTBE Investigation Workplan

Action Type: Other Regulatory Actions
Action Date: 8/15/2003
Received Issue Date: 8/15/2003
Action: Staff Letter - #20030815
Doc Link:
Title Description Comments:

REQUESTED SI & IRA WORK PLAN

Action Type: Other Regulatory Actions
Action Date: 1/28/2003
Received Issue Date: 1/28/2003
Action: Staff Letter - #20030128
Doc Link:
Title Description Comments:

Gw monitoring and quarterly O&M

Action Type: Notices
Action Date: 2/15/2001
Received Issue Date: 2/15/2001
Action: Notice of Responsibility - #1
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 3/21/2006
Received Issue Date:
Action: In Situ Physical/Chemical Treatment (other than SVE)
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 2/12/2001
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 2/7/2001
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

LUST Sites from GeoTracker Search - Site Maps (as of Feb 27, 2021)

Title: B-25 (B-25)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5133147299/T0608194021.PDF
Size : 26 KB
Submitted By: TEC ACCUTITE (AUTH_RP)
Submitted: 9/15/2008

Title: B-26 (B-26)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1393237054/T0608194021.PDF
Size : 34 KB
Submitted By: TEC ACCUTITE (AUTH_RP)
Submitted: 9/15/2008

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5418396472/T0608194021.PDF
Size : 236 KB

Submitted By: TEC ACCUTITE (AUTH_RP)
Submitted: 9/15/2008

Title: B-24 (B-24)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7657235264/T0608194021.PDF
Size : 22 KB
Submitted By: TEC ACCUTITE (AUTH_RP)
Submitted: 9/12/2008

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/6029508292/T0608194021.jpg
Size : 617 KB
Submitted By: TEC ACCUTITE (AUTH_RP)
Submitted: 8/1/2003

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9949292838/T0608194021.gif
Size : 115 KB
Submitted By: TEC ACCUTITE (AUTH_RP)
Submitted: 7/12/2002

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9050885856/T0608194021.gif
Size : 127 KB
Submitted By: TEC ACCUTITE (AUTH_RP)
Submitted: 7/12/2002

LUST Sites from GeoTracker Search - Documents (as of Feb 27, 2021)

Document Type: Site Documents
Document Date: 1/24/2013
Type: CLOSURE/NO FURTHER ACTION LETTER
Title: UNKNOWN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608194021&enforcement_id=6148347
Size :
Submitted By: JACOB MADDEN (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 1/7/2013
Type: WELL DESTRUCTION REPORT
Title: MONITORING WELL DESTRUCTION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9012161195/T0608194021.PDF
Size : 3,363 KB
Submitted By: TEC ACCUTITE (AUTH_RP)
Submitted:

Document Type: Site Documents
Document Date: 7/26/2012
Type: STAFF LETTER
Title: REQUEST FOR WELL DESTRUCTION PRIOR TO CASE CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608194021&enforcement_id=6131328
Size :
Submitted By: JACOB MADDEN (REGULATOR)
Submitted:

Document Type: Monitoring Reports
Document Date: 4/5/2012
Type: MONITORING REPORT - OTHER
Title: FIRST QUARTER 2012 GROUNDWATER AND VAPOR MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4874127984/T0608194021.PDF
Size : 2,801 KB
Submitted By: TEC ACCUTITE (AUTH_RP)
Submitted:

Document Type: Site Documents
Document Date: 3/28/2012
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
Title: RESPONSE TO 2/22/2012 FUND REVIEW UPDATE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608194021&enforcement_id=6116939
Size :
Submitted By: JACOB MADDEN (REGULATOR)
Submitted:

Document Type: Monitoring Reports
Document Date: 10/5/2011
Type: MONITORING REPORT - QUARTERLY
Title: THIRD QUARTER 2011 VAPOR MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8902750670/T0608194021.PDF
Size : 1,236 KB
Submitted By: TEC ACCUTITE (AUTH_RP)
Submitted:

Document Type: Site Documents
Document Date: 5/13/2011
Size :
Submitted By: CHARLES ICE (REGULATOR), WALTER

BAHM (REGULATOR)

Type: CLEAN UP FUND - CASE CLOSURE REVIEW SUMMARY REPORT (RSR) **Submitted:**
Title: UST CLEANUP FUND -5YRREVIEW2011
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608194021&enforcement_id=6392660

Document Type: Site Documents **Size :**
Document Date: 5/10/2011 **Submitted By:** JACOB MADDEN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: REQUEST FOR ADDITIONAL SUB-SLAB VAPOR DATA AND DENIAL OF CLOSURE REQUEST
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608194021&enforcement_id=6086325

Document Type: Monitoring Reports **Size :** 1,814 KB
Document Date: 4/4/2011 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FIRST QUARTER 2011 GROUNDWATER AND VAPOR MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3772889137/T0608194021.PDF

Document Type: Monitoring Reports **Size :** 1,619 KB
Document Date: 1/31/2011 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FOURTH QUARTER 2010 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3667225658/T0608194021.PDF

Document Type: Monitoring Reports **Size :** 2,541 KB
Document Date: 10/19/2010 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: THIRD QUARTER 2010 GROUNDWATER AND VAPOR MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2176435112/T0608194021.PDF

Document Type: Monitoring Reports **Size :** 1,658 KB
Document Date: 7/29/2010 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: SECOND QUARTER 2010 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1075540125/T0608194021.PDF

Document Type: Monitoring Reports **Size :** 7,541 KB
Document Date: 5/27/2010 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FIRST QUARTER 2010 REMEDIATION SYSTEM OPERATION AND MAINTENANCE, GROUNDWATER MONITORING, AND WELL DESTRUCTION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3877541959/T0608194021.PDF

Document Type: Site Documents **Size :**
Document Date: 3/25/2010 **Submitted By:** JACOB MADDEN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: REQUEST FOR SYSTEM SHUT DOWN WITH REBOUND EVALUATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608194021&enforcement_id=6046569

Document Type: Monitoring Reports **Size :** 6,873 KB
Document Date: 3/15/2010 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FOURTH QUARTER 2009 REMEDIATION SYSTEM OPERATION AND MAINTENANCE AND GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8504846036/T0608194021.PDF

Document Type: Site Documents **Size :**
Document Date: 1/21/2010 **Submitted By:** JACOB MADDEN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: REMEDIAL COMMENTS AND SUGGESTION TO EVALUATE SHUT DOWN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608194021&enforcement_id=6041175

Document Type: Site Documents **Size :** 8,996 KB
Document Date: 12/11/2009 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: REMEDIAL PROGRESS REPORT **Submitted:**
Title: THIRD QUARTER 2009 REMEDIATION PROGRESS REPORT WITH UPDATED SITE-SPECIFIC REMEDIAL GOALS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9869543790/T0608194021.PDF

Document Type: Monitoring Reports **Size :** 9,004 KB
Document Date: 9/17/2009 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: SECOND QUARTER 2009 REMEDIATION SYSTEM OPERATION AND MAINTENANCE AND GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2606508553/T0608194021.PDF

Document Type: Site Documents **Size :**
Document Date: 8/13/2009 **Submitted By:** JACOB MADDEN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: CONDITIONAL WP APPROVAL
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608194021&enforcement_id=6027553

Document Type: Site Documents **Size :**
Document Date: 7/8/2009 **Submitted By:** JACOB MADDEN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: RES 2009-042
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608194021&enforcement_id=6019583

Document Type: Site Documents **Size :** 2,858 KB
Document Date: 6/26/2009 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: SITE INVESTIGATION WORKPLAN **Submitted:**
Title: VAPOR INTRUSION INVESTIGATION WORKPLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5397934436/T0608194021.PDF

Document Type: Monitoring Reports **Size :** 5,005 KB
Document Date: 6/3/2009 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FIRST QUARTER 2009 REMEDIATION SYSTEM OPERATION AND MAINTENANCE AND GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3264288663/T0608194021.PDF

Document Type: Monitoring Reports **Size :** 6,347 KB
Document Date: 3/2/2009 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FOURTH QUARTER 2008 REMEDIATION SYSTEM OPERATION AND MAINTENANCE AND QUARTERLY GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5632030665/T0608194021.PDF

Document Type: Site Documents **Size :**
Document Date: 1/20/2009 **Submitted By:** JACOB MADDEN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: REMEDIATION INVESTIGATION RESPONSE LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608194021&enforcement_id=6000025

Document Type: Monitoring Reports **Size :** 6,547 KB
Document Date: 12/23/2008 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: THIRD QUARTER 2008 REMEDIATION SYSTEM OPERATION AND MAINTENANCE AND GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9387581944/T0608194021.PDF

Document Type: Site Documents **Size :** 9,342 KB
Document Date: 9/23/2008 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: REMEDIAL PROGRESS REPORT **Submitted:**
Title: REMEDIATION PROGRESS INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3096436023/T0608194021.PDF

Document Type: Monitoring Reports **Size :** 6,327 KB
Document Date: 8/19/2008 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: SECOND QUARTER 2008 REMEDIATION SYSTEM OPERATION AND MAINTENANCE AND GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1281575083/T0608194021.PDF

Document Type: Site Documents **Size :** 64 KB
Document Date: 6/17/2008 **Submitted By:** CHARLES ICE (REGULATOR)
Type: LETTER **Submitted:**
Title: DIRECTIVE LETTER

Title Link: https://geotracker.waterboards.ca.gov/site_documents/6907826066/20080612%5Fcorr%5FRO1859%2Epdf

Document Type: Site Documents **Size :** 6,039 KB
Document Date: 5/19/2008 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: REPORTS - REMEDIAL ACTION RPT. **Submitted:**
Title: FIRST QUARTER 2008 REMEDIATION SYSTEM OPERATION AND MAINTENANCE AND GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7099579334/T0608194021.PDF

Document Type: Site Documents **Size :** 4,169 KB
Document Date: 3/21/2008 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: REPORTS - QUARTERLY STATUS REPORT **Submitted:**
Title: FOURTH QUARTER 2007 REMEDIATION SYSTEM O & M AND GROUNDWATER MONITORING REPORT, WITH SITE ASSESMENT WORKPLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7829604208/T0608194021.PDF

Document Type: Monitoring Reports **Size :** 6,363 KB
Document Date: 11/20/2007 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: THIRD QUARTER 2007 GROUNDWATER MONITORING AND REMEDIATION SYSTEM O&M REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2330645501/T0608194021.PDF

Document Type: Monitoring Reports **Size :** 5,972 KB
Document Date: 8/8/2007 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: SECOND QUARTER 2007 GROUNDWATER MONITORING AND REMEDIATION SYSTEM O&M REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7600003898/T0608194021.PDF

Document Type: Monitoring Reports **Size :** 6,509 KB
Document Date: 5/10/2007 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FIRST QUARTER 2007 GROUNDWATER MONITORING REPORT AND REMEDIATION SYSTEM O&M REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2456576287/T0608194021.PDF

Document Type: Monitoring Reports **Size :** 4,027 KB
Document Date: 4/10/2007 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FOURTH QUARTER 2006 GROUNDWATER MONITORING REPORT AND REMEDIATION SYSTEM O&M REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2326566934/T0608194021.PDF

Document Type: Site Documents **Size :** 4,900 KB
Document Date: 11/9/2006 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: REPORTS - OTHER **Submitted:**
Title: THIRD QUARTER 2006 GROUNDWATER MONITORING AND REMEDIATION SYSTEM O&M REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1299285709/T0608194021.PDF

Document Type: Monitoring Reports **Size :** 6,568 KB
Document Date: 8/10/2006 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: SECOND QUARTER 2006 GROUNDWATER MONITORING AND REMEDIATION SYSTEM O & M REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2114392936/T0608194021.PDF

Document Type: Site Documents **Size :** 6,365 KB
Document Date: 5/30/2006 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: REPORTS - REMEDIAL ACTION RPT. **Submitted:**
Title: REMEDIATION SYSTEM STARTUP REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9302843987/T0608194021.PDF

Document Type: Monitoring Reports **Size :** 4,001 KB
Document Date: 5/25/2006 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FIRST QUARTER 2006 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1964154899/T0608194021.PDF

Document Type: Monitoring Reports **Size :** 3,169 KB
Document Date: 10/24/2005 **Submitted By:** TEC ACCUTITE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title: QUARTERLY GROUNDWATER MONITORING REPORT SEPTEMBER 2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8305600821/T0608194021.PDF

Document Type: Monitoring Reports
Document Date: 7/25/2005
Type: MONITORING REPORT - QUARTERLY
Size : 3,277 KB
Submitted By: TEC ACCUTITE (AUTH_RP)
Submitted:
Title: QUARTERLY GROUNDWATER MONITORING REPORT JUNE 2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4106351554/T0608194021.PDF

Document Type: Monitoring Reports
Document Date: 4/5/2005
Type: MONITORING REPORT - QUARTERLY
Size : 2,532 KB
Submitted By: TEC ACCUTITE (AUTH_RP)
Submitted:
Title: WELL INSTALLATION AND QUARTERLY GROUNDWATER MONITORING REPORT FEBRUARY 2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8577061295/T0608194021.PDF

99	1 of 1	WNW	0.42 / 2,240.05	71.05 / 50	SHELL STATION 261 MILLBRAE AVE E MILLBRAE CA 94030	LUST

Global ID: T10000005423
Status: COMPLETED - CASE CLOSED
Status Date: 9/19/2001
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.6001026
Longitude: -122.3844548

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No:
Local Case No:
Begin Date: 12/1/1994
Lead Agency: SAN MATEO COUNTY LOP
Local Agency:
CUF Case: YES
Potential Media of Concern:
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:
Potential COC:
How Discovered:
Stop Method:
Stop Description:
Case Worker:
File Location:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: Other
Date : 12/1/1994
Action: Leak Reported

Action Type: Other
Date : 12/1/1994
Action: Leak Discovery

Action Type: Other
Date : 12/1/1994
Action: Leak Began

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 9/19/2001

Status: Open - Case Begin Date
Status Date: 12/1/1994

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name:	SHELL STATION	***Potential COC:***	NONE SPECIFIED
Site Facility Type:	LUST CLEANUP SITE	***Facility Type:***	
Cleanup Status:	COMPLETED - CASE CLOSED	***Composting Method:***	
Project Status:		***Address:***	261 MILLBRAE AVE E
WDR Place Type:		***City:***	MILLBRAE
WDR File:		***Zip:***	94030
WDR Order:		***County:***	SAN MATEO
CUF Priority Assig:	D	***CUF Claim:***	12213
CUF Amount Paid:	$25,944		

File Location:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T10000005423
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 9/19/2001
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T10000005423&tabname=regulatoryhistory
Potential Media of Concern: NONE SPECIFIED
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD)
SAN FRANCISCO BAY RWQCB (REGION 2)
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 9/19/2001

Status: Open - Case Begin Date
Date : 12/1/1994

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Leak Action
Action Date: 12/1/1994
Received Issue Date:
Action: Leak Began
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 12/1/1994
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 12/1/1994
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

LUST Sites from GeoTracker Search - Documents (as of Feb 27, 2021)

Document Type: Site Documents ***Size :*** 795 KB
Document Date: 10/5/2001* ***Submitted By:*** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Title: HISTORICAL - 3Q 2000 MONITORING REPORT DATED 10/2001
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6082397699/T10000005423.PDF

Document Type: Site Documents ***Size :*** 8,047 KB
Document Date: 9/19/2001* ***Submitted By:*** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Title: HISTORICAL - NFA DATED 09/2001
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4328513026/T10000005423.PDF

Document Type: Site Documents ***Size :*** 4,839 KB
Document Date: 9/11/2001* ***Submitted By:*** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Title: HISTORICAL - MONITORING WELL DESTRUCTION REPORT DATED 09/2001
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8841202020/T10000005423.PDF

Document Type: Site Documents ***Size :*** 4,792 KB
Document Date: 7/5/2001* ***Submitted By:*** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Title: HISTORICAL - AGENCY DIRECTIVE TO DESTROY GROUNDWATER MONITORING WELLS DATED 07/2001
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1497665643/T10000005423.PDF

Document Type: Site Documents ***Size :*** 17,783 KB
Document Date: 5/18/2001* ***Submitted By:*** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Title: HISTORICAL - 1Q 2001 MONITORING REPORT DATED 05/2001
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6973471522/T10000005423.PDF

Document Type: Site Documents ***Size :*** 22,650 KB
Document Date: 2/6/2001* ***Submitted By:*** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Title: HISTORICAL - 4Q 2000 MONITORING REPORT DATED 02/2001
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6360351800/T10000005423.PDF

Document Type: Site Documents ***Size :*** 2,991 KB
Document Date: 12/19/2000* ***Submitted By:*** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Title: HISTORICAL - MONITORING WELL ABANDONMENT REPORT DATED 12/2000
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6741852045/T10000005423.PDF

Document Type: Site Documents ***Size :*** 49 KB
Document Date: 11/8/2000* ***Submitted By:*** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Title: HISTORICAL - AGENCY SITE CLOSURE EVALUATION LETTER DATED 11/2000
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2353995203/T10000005423.PDF

Document Type: Site Documents ***Size :*** 21,006 KB
Document Date: 11/2/2000* ***Submitted By:*** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Title: HISTORICAL - 3Q 2000 MONITORING REPORT DATED 11/2000
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9874657690/T10000005423.PDF

Document Type: Site Documents ***Size :*** 25,331 KB
Document Date: 10/27/2000* ***Submitted By:*** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Title: HISTORICAL - RISK-BASED CORRECTIVE ACTION ANALYSIS DATED 10/2000
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2985516488/T10000005423.PDF

Document Type: Site Documents ***Size :*** 1,164 KB
Document Date: 9/5/2000* ***Submitted By:*** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Title: HISTORICAL - AGENCY CONDITIONAL APPROVAL OF RBCA & SCM DATED 09/2000
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9894736170/T10000005423.PDF

Document Type: Site Documents | **Size :** 2,403 KB
Document Date: 8/29/2000* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - RBCA WORK PLAN AND SITE CONCEPTUAL MODEL DATED 08/2000
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7884155511/T10000005423.PDF

Document Type: Site Documents | **Size :** 21,342 KB
Document Date: 7/25/2000* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - 2Q 2000 MONITORING REPORT DATED 07/2000
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8417569100/T10000005423.PDF

Document Type: Site Documents | **Size :** 1,093 KB
Document Date: 6/14/2000* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - AGENCY DIRECTIVE TO SUBMIT RBCA INCLUDING SCM DATED 06/2000
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5663626551/T10000005423.PDF

Document Type: Site Documents | **Size :** 21,035 KB
Document Date: 6/6/2000* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - 1Q 2000 MONITORING REPORT DATED 06/2000
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2193512201/T10000005423.PDF

Document Type: Site Documents | **Size :** 23,402 KB
Document Date: 3/13/2000* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - 4Q 1999 MONITORING REPORT DATED 03/2000
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8547675013/T10000005423.PDF

Document Type: Site Documents | **Size :** 17,315 KB
Document Date: 11/19/1999* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - SUBSURFACE INVESTIGATION REPORT DATED 11/1999
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6372189462/T10000005423.PDF

Document Type: Site Documents | **Size :** 18,710 KB
Document Date: 11/16/1999* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - 3Q 1999 MONITORING REPORT DATED 11/1999
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5436209559/T10000005423.PDF

Document Type: Site Documents | **Size :** 19,163 KB
Document Date: 8/31/1999* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - 2Q 1999 MONITORING REPORT DATED 08/1999
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1542599618/T10000005423.PDF

Document Type: Site Documents | **Size :** 17,595 KB
Document Date: 8/25/1999* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - 1Q 1999 MONITORING REPORT DATED 08/1999
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2122787714/T10000005423.PDF

Document Type: Site Documents | **Size :** 1,870 KB
Document Date: 7/29/1999* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - AGENCY APPROVAL OF SUBSURFACE WORKPLAN DATED 07/1999
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3698117196/T10000005423.PDF

Document Type: Site Documents | **Size :** 6,363 KB
Document Date: 7/26/1999* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - SUBSURFACE INVESTIGATION WORK PLAN DATED 07/1999
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4546511173/T10000005423.PDF

Document Type: Site Documents | **Size :** 910 KB
Document Date: 4/27/1999* | **Submitted By:** PINNACLE EMS (CONTRACTOR)

Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: HISTORICAL - AGENCY DIRECTIVE TO SUBMIT WORK PLAN TO DEFINE LATERAL & VERTICAL EXTENT OF GW CONTAMINATION DATED 04/1999
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1134018182/T10000005423.PDF

Document Type: Site Documents **Size :** 30,014 KB
Document Date: 4/15/1999* **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: HISTORICAL - 3Q & 4Q 1998 QUARTERLY MONITORING REPORT DATED 04/1999
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8560116708/T10000005423.PDF

Document Type: Site Documents **Size :** 27,207 KB
Document Date: 2/3/1999* **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: HISTORICAL - WELL INSTALLATION REPORT DATED 02/1999
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9581689655/T10000005423.PDF

Document Type: Site Documents **Size :** 644 KB
Document Date: 10/31/1998* **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: HISTORICAL - 3Q 1998 QUARTERLY REPORT DATED 10/1998
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5878821253/T10000005423.PDF

Document Type: Site Documents **Size :** 679 KB
Document Date: 7/31/1998* **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: HISTORICAL - 2Q 1998 QUARTERLY REPORT DATED 07/1998
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7183786213/T10000005423.PDF

Document Type: Site Documents **Size :** 683 KB
Document Date: 5/19/1998* **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: HISTORICAL - AGENCY APPROVAL OF WELL INSTALLATION WORK PLAN DATED 05/1998
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9381949305/T10000005423.PDF

Document Type: Site Documents **Size :** 6,232 KB
Document Date: 5/15/1998* **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: HISTORICAL - WELL INSTALLATION WORK PLAN DATED 05/1998
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9069992303/T10000005423.PDF

Document Type: Site Documents **Size :** 39,545 KB
Document Date: 2/20/1998* **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: HISTORICAL - SITE INVESTIGATION REPORT DATED 02/1998
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3844759464/T10000005423.PDF

Document Type: Site Documents **Size :** 649 KB
Document Date: 1/30/1998* **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: HISTORICAL - 4Q 1997 QUARTERLY REPORT DATED 01/1998
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5240075170/T10000005423.PDF

Document Type: Site Documents **Size :** 410 KB
Document Date: 10/31/1997* **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: HISTORICAL - 3Q 1997 QUARTERLY REPORT DATED 10/1997
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9198559701/T10000005423.PDF

Document Type: Site Documents **Size :** 403 KB
Document Date: 7/30/1997* **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: HISTORICAL - 2Q 1997 QUARTERLY REPORT DATED 07/1997
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3278283894/T10000005423.PDF

Document Type: Site Documents **Size :** 304 KB
Document Date: 5/13/1997* **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: HISTORICAL - AGENCY CONDITIONAL APPROVAL OF SITE INVESTIGATION WORK PLAN DATED 05/1997

Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8490683436/T10000005423.PDF

Document Type: Site Documents | **Size :** 401 KB
Document Date: 4/30/1997* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - 1Q 1997 QUARTERLY REPORT DATED 04/1997
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9483380258/T10000005423.PDF

Document Type: Site Documents | **Size :** 435 KB
Document Date: 3/12/1997* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - AGENCY DIRECTIVE TO SUBMIT SUBSURFACE INVESTIGATION REPORT DATED 03/1997
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2126824438/T10000005423.PDF

Document Type: Site Documents | **Size :** 516 KB
Document Date: 1/30/1997* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - 4Q 1996 QUARTERLY REPORT DATED 01/1997
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8909594058/T10000005423.PDF

Document Type: Site Documents | **Size :** 503 KB
Document Date: 10/30/1996* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - 3Q 1996 QUARTERLY REPORT DATED 10/1996
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1039288461/T10000005423.PDF

Document Type: Site Documents | **Size :** 369 KB
Document Date: 7/30/1996* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - 2Q 1996 QUARTERLY REPORT DATED 07/1996
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3398903906/T10000005423.PDF

Document Type: Site Documents | **Size :** 529 KB
Document Date: 2/6/1996* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - 4Q 1995 QUARTERLY REPORT DATED 02/1996
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4708365321/T10000005423.PDF

Document Type: Site Documents | **Size :** 435 KB
Document Date: 10/30/1995* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - 3Q 1995 QUARTERLY REPORT DATED 10/1995
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4493646442/T10000005423.PDF

Document Type: Site Documents | **Size :** 1,067 KB
Document Date: 10/24/1995* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - AGENCY NOTICE TO UTILIZE PUBLIC RIGHT OF WAY DATED 10/1995
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4448675990/T10000005423.PDF

Document Type: Site Documents | **Size :** 429 KB
Document Date: 7/31/1995* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - 2Q 1995 QUARTERLY REPORT DATED 07/1995
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6862729012/T10000005423.PDF

Document Type: Site Documents | **Size :** 112,777 KB
Document Date: 10/3/1994* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - UST REMOVAL & OVEREXCAVATION REPORT DATED 10/1994
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8453686654/T10000005423.PDF

Document Type: Site Documents | **Size :** 885 KB
Document Date: 4/19/1994* | **Submitted By:** PINNACLE EMS (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT | **Submitted:**
Title: HISTORICAL - REQUEST FOR APPROVAL TO PROCEED WITH OVEREXCAVATION DATED 04/1994
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8975882172/T10000005423.PDF

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
100	1 of 2	W	0.43 / 2,265.81	75.93 / 55	MILLS HIGH SCHOOL 400 MURCHISON DRIVE MILLBRAE CA 94030-3099	SCH

Estor/EPA ID: 41820006
Site Code: 204086
Nat Priority List: NO
Acres: 36 ACRES
Special Program:
Funding: SCHOOL DISTRICT
Assembly District: 22
Senate District: 13
Permit Renewal Lead:
Project Manager: KAMILI SIGLOWIDE
Supervisor: CHARLES RIDENOUR
Public Partici Spclst:
Census Tract: 6081604900
County: SAN MATEO
Latitude: 37.594621949061
Longitude: -122.390621461523
School District: SAN MATEO UNION HIGH SCHOOL DISTRICT
APN: 024320070
Cleanup Status: NO ACTION REQUIRED AS OF 11/20/2001
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: SCHOOL
Office: NORTHERN CALIFORNIA SCHOOLS & SANTA SUSANA
Past Use that Caused Contam: SCHOOL - HIGH SCHOOL
Potential Media Affected: NO MEDIA AFFECTED
Potential Contamin of Concern:

NO CONTAMINANTS FOUND

SITE HISTORY:

This 36-acre site was vacant and undeveloped prior to 1958, when the Mills High School was constructed. Since the construction of the school, the site has remained similar, with residential housing developing on the northwest, west and southwest, and a commercial area to the northeast and east.

Status: NO ACTION REQUIRED
Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 26-30%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=41820006

Completed Activities

Title: Phase 1
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=41820006&doc_id=6006099
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 11/21/2001
Comments:

Title: * Site Visit - Site Inspections/visit
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Inspections/Visit (Non LUR)
Date Completed: 11/15/2001
Comments:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
100	2 of 2	W	0.43 / 2,265.81	75.93 / 55	MILLS HIGH SCHOOL 400 MURCHISON DRIVE MILLBRAE CA 94030-3099	ENVIROSTOR

Estor/EPA ID: 41820006
Site Code: 204086
Nat Priority List: NO
APN: 024320070
Census Tract: 6081604900
Site Type: SCHOOL
Address Description: 400 MURCHISON DRIVE
Assembly District: 22
Senate District: 13
Permit Renewal Lead:
Public Partici Spclst:
Project Manager: KAMILI SIGLOWIDE
County: SAN MATEO
Latitude: 37.594621949061

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Office: NORTHERN CALIFORNIA SCHOOLS & SANTA SUSANA
Longitude: -122.390621461523
Special Program:
Acres: 36 ACRES
Funding: SCHOOL DISTRICT
Supervisor: CHARLES RIDENOUR
Cleanup Status: NO ACTION REQUIRED AS OF 11/20/2001
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District: SAN MATEO UNION HIGH SCHOOL DISTRICT
Past Use that Caused Contam: SCHOOL - HIGH SCHOOL
Potential Media Affected: NO MEDIA AFFECTED
Site History:

This 36-acre site was vacant and undeveloped prior to 1958, when the Mills High School was constructed. Since the construction of the school, the site has remained similar, with residential housing developing on the northwest, west and southwest, and a commercial area to the northeast and east.

Potential Contamin of Concern:

NO CONTAMINANTS FOUND

Status: NO ACTION REQUIRED
A2 Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 26-30%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=41820006

Completed Activities

Title: * Site Visit - Site Inspections/visit
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Inspections/Visit (Non LUR)
Date Completed: 11/15/2001
Comments:

Title: Phase 1
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=41820006&doc_id=6006099
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 11/21/2001
Comments:

101	1 of 2	N	0.43 / 2,288.11	5.97 / -15	CHEVRON 9-0206 320 E MILLBRAE AVE MILLBRAE CA	LOP SANMATEO

Case No: 990001
APN: 024181050
Case Type: O- Other Groundwater affected (uses other than drinking water)
Global ID: T0608100132

LUST Status

Status: 9- Case Closed

101	2 of 2	N	0.43 / 2,288.11	5.97 / -15	CHEVRON 9-0206 320 EAST MILLBRAE AVENUE MILLBRAE CA 94030	LUST

Global ID: T0608100132
County: SAN MATEO
Status: COMPLETED - CASE CLOSED
Latitude: 37.6013632409804

Status Date: 7/22/2004 **Longitude:** -122.383403778076
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41-0139
Local Case No: 990001
Begin Date: 7/21/1987
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: YES
Potential COC: Gasoline
How Discovered: Other Means
Stop Method: Other Means
Stop Description:
Case Worker: BG
File Location: Local Agency Warehouse
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: RESPONSE
Date : 9/18/2014
Action: Site Assessment Report

Action Type: RESPONSE
Date : 9/1/2004
Action: Unknown

Action Type: RESPONSE
Date : 8/1/2004
Action: Other Report / Document

Action Type: ENFORCEMENT
Date : 7/22/2004
Action: Closure/No Further Action Letter - #20040722

Action Type: RESPONSE
Date : 6/30/2004
Action: Request for Closure

Action Type: ENFORCEMENT
Date : 6/3/2004
Action: Staff Letter - #20040603

Action Type: RESPONSE
Date : 5/15/2004
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2/19/2004
Action: * Verbal Communication - #20040219

Action Type: RESPONSE
Date : 5/15/2003
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 5/15/2002
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 5/15/2001
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 11/15/2000
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 8/3/2000
Action: Staff Letter - #20000803

Action Type: ENFORCEMENT
Date : 2/27/1989
Action: Notice of Responsibility - #1

Action Type: Other
Date : 10/3/1987
Action: Leak Reported

Action Type: Other
Date : 7/21/1987
Action: Leak Discovery

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone No:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 7/22/2004

Status: Open - Verification Monitoring
Status Date: 3/30/2004

Status: Open - Case Begin Date
Status Date: 7/21/1987

Status: Open - Site Assessment
Status Date: 7/21/1987

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: CHEVRON 9-0206
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig: D
CUF Amount Paid: $227,083
Potential COC: GASOLINE
Facility Type:
Composting Method:
Address: 320 EAST MILLBRAE AVENUE
City: MILLBRAE
Zip: 94030
County: SAN MATEO
CUF Claim: 5837
File Location: LOCAL AGENCY WAREHOUSE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608100132
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 7/22/2004
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608100132&tabname=regulatoryhistory
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:

DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 990001
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0139
CASEWORKER: Regional Water Board
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 7/22/2004

Status: Open - Verification Monitoring
Date : 3/30/2004

Status: Open - Site Assessment
Date : 7/21/1987

Status: Open - Case Begin Date
Date : 7/21/1987

LUST Sites from GeoTracker Search - Cleanup Action Report (as of Feb 27, 2021)

Action Type: FREE PRODUCT REMOVAL ***Begin Date:***
Phase: ***End Date:***
Contaminant Mass Removed:
Description:

Action Type: EXCAVATION ***Begin Date:***
Phase: ***End Date:***
Contaminant Mass Removed:
Description:

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Response Requested - Reports
Action Date: 9/18/2014
Received Issue Date: 9/18/2014
Action: Site Assessment Report
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608100132&doc_id=5819727
Title Description Comments:

Excavation and Sampling Report and Station Upgrade Activities - Review of report indicates residual hydrocarbon concentrations consistent with concentrations present at time of closure in 2004, with the exception of Lead which remains in place at levels that may be considered hazardous waste. CUPA may issue an additional notification letter to the building department requesting notification so that this lead issue can be addressed at time of facility closure.

Action Type: Response Requested - Other
Action Date: 9/1/2004
Received Issue Date: 7/19/2004
Action: Unknown
Doc Link:
Title Description Comments:

Well Destruction Report - Cambria report dated 7/14/2004

Action Type: Response Requested - Other
Action Date: 8/1/2004
Received Issue Date: 6/21/2004
Action: Other Report / Document
Doc Link:
Title Description Comments:

Other Type of Submission by RP - Well Abandonment workplan & permit rcvd.

Action Type: Other Regulatory Actions
Action Date: 7/22/2004
Received Issue Date: 7/22/2004
Action: Closure/No Further Action Letter - #20040722
Doc Link:
Title Description Comments:

Case Closure Letter

Action Type: Response Requested - Other
Action Date: 6/30/2004
Received Issue Date: 4/8/2004
Action: Request for Closure
Doc Link:
Title Description Comments:

Request for Closure - Closure Request dated 4/7/2004

Action Type: Other Regulatory Actions
Action Date: 6/3/2004
Received Issue Date: 6/3/2004
Action: Staff Letter - #20040603
Doc Link:
Title Description Comments:

Request for Well Destruction WP and permit app

Action Type: Response Requested - Reports
Action Date: 5/15/2004
Received Issue Date: 4/13/2004
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly - Event of 2/19/2004

Action Type: Other Regulatory Actions
Action Date: 2/19/2004
Received Issue Date: 2/19/2004
Action: * Verbal Communication - #20040219
Doc Link:
Title Description Comments:

Request for Closure Summary or Work Plan for data gaps, at meeting

Action Type: Response Requested - Reports
Action Date: 5/15/2003
Received Issue Date: 5/12/2003
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly - Event of 3/18/2003

Action Type: Response Requested - Reports
Action Date: 5/15/2002
Received Issue Date: 4/22/2002
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly - Event of 2/16/2002

Action Type: Response Requested - Reports
Action Date: 5/15/2001
Received Issue Date: 4/15/2001
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly - Event of 2/20/2001

Action Type: Response Requested - Reports
Action Date: 11/15/2000
Received Issue Date: 12/6/2000
Action: Monitoring Report - Quarterly
Doc Link:
Title Description Comments:

Monitoring Report - Quarterly - Event of 8/14/2000

Action Type: Other Regulatory Actions
Action Date: 8/3/2000
Received Issue Date: 8/3/2000
Action: Staff Letter - #20000803
Doc Link:
Title Description Comments:

Update Groundwater Monitoring Frequency

Action Type: Notices
Action Date: 2/27/1989
Received Issue Date: 2/27/1989
Action: Notice of Responsibility - #1
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 10/3/1987
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 7/21/1987
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date:
Received Issue Date:
Action: Excavation
Doc Link:

Title Description Comments:

Action Type: Cleanup Action
Action Date:
Received Issue Date:
Action: Free Product Removal
Doc Link:
Title Description Comments:

LUST Sites from GeoTracker Search - Site Maps (as of Feb 27, 2021)

Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5629605948/T0608100132.pdf
Size : 27 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 10/21/2002

LUST Sites from GeoTracker Search - Documents (as of Feb 27, 2021)

Document Type: Site Documents
Document Date: 9/18/2014
Type: SITE ASSESSMENT REPORT
Title: EXCAVATION AND SAMPLING REPORT AND STATION UPGRADE ACTIVITIES
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3592820644/T0608100132.PDF
Size : 5,187 KB
Submitted By: GHD (CONTRACTOR)
Submitted:

Document Type: Site Documents
Document Date: 10/6/2004
Type:
Title: CASE CLOSURE LETTER
Title Link: https://geotracker.waterboards.ca.gov/site_documents/6265714347/%23990001%20320%20Millbrae%20Avenue%2Epdf
Size : 517 KB
Submitted By: GREG SMITH (REGULATOR)
Submitted:

102	1 of 1	WNW	0.46 / 2,418.85	77.36 / 56	DEAN WOO 1 LEWIS AVE MILLBRAE CA 94030	RCRA TSD

EPA Handler ID: CAC003017484
Gen Status Universe: No Report
Contact Name: DEAN WOO
Contact Address: 1 LEWIS AVE , , MILLBRAE , CA, 94030 ,
Contact Phone No and Ext: 775-287-2864
Contact Email: ALEJANDRAMALDONADO@ALLIANCE-ENVIRO.COM
Contact Country:
Land Type:
County Name: SAN MATEO
EPA Region: 09
Receive Date: 20190531
Location Latitude: 37.597237
Location Longitude: -122.390452

Violation/Evaluation Summary

Note: NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No

Smelting, Melting and Refining:	No
Underground Injection Control:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190531
Handler Name:	DEAN WOO
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1 LEWIS AVE
Name:	DEAN WOO	***Street 2:***	
Date Became Current:		***City:***	MILLBRAE
Date Ended Current:		***State:***	CA
Phone:	775-287-2864	***Country:***	
Source Type:	Implementer	***Zip Code:***	94030
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1 LEWIS AVE
Name:	DEAN WOO	***Street 2:***	
Date Became Current:		***City:***	MILLBRAE
Date Ended Current:		***State:***	CA
Phone:	775-287-2864	***Country:***	
Source Type:	Implementer	***Zip Code:***	94030

103	*1 of 1*	***SSE***	***0.47 / 2,479.11***	***50.96 / 30***	***LINCOLN ELEMENTARY SCHOOL 1801 DEVEREUX DRIVE BURLINGAME CA 94010***	***RCRA TSD***

EPA Handler ID:	CAC003008770
Gen Status Universe:	No Report
Contact Name:	TIM RYAN
Contact Address:	BURLINGAME SCHOOL DISTRICT , 1825 TROUSDALE DRIVE , BURLINGAME , CA, 94010 ,
Contact Phone No and Ext:	650-259-3913
Contact Email:	TRYAN@BSD.K12.CA.US
Contact Country:	
Land Type:	
County Name:	SAN MATEO
EPA Region:	09
Receive Date:	20190404
Location Latitude:	37.58829
Location Longitude:	-122.379082

Violation/Evaluation Summary

Note:	NO RECORDS: As of April 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Smelting, Melting and Refining:	No
Underground Injection Control:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190404
Handler Name:	LINCOLN ELEMENTARY SCHOOL
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1825 TROUSDALE DRIVE
Name:	BURLINGAME SCHOOL DISTRICT	***Street 2:***	
Date Became Current:		***City:***	BURLINGAME
Date Ended Current:		***State:***	CA
Phone:	650-259-3913	***Country:***	
Source Type:	Implementer	***Zip Code:***	94010

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	BURLINGAME SCHOOL DISTRICT
Name:	TIM RYAN	***Street 2:***	1825 TROUSDALE DRIVE
Date Became Current:		***City:***	BURLINGAME
Date Ended Current:		***State:***	CA
Phone:	650-259-3913	***Country:***	
Source Type:	Implementer	***Zip Code:***	94010

104	*1 of 3*	*NE*	*0.49 / 2,567.86*	*4.76 / -17*	***OXYTRAL*** ***895 MITTEN RD*** ***BURLINGAME CA 94010***	***CERCLIS***

Site ID:	0903161	***RNPL Status Code:***	N
Site EPA ID:	CAD982359036	***NPL Status:***	Not on the NPL
Site Street Address 2:		***RFED Facility Code:***	N
Site County Name:	SAN MATEO	***RFED Facility Desc:***	Not a Federal Facility
Site FIPS Code:	06081	***USGS Hydro Unit No.:***	18050004
Region Code:	09	***Site Cong. Dist. Code:***	11
Site SMSA No.:	7360	***ROT Desc:***	Private
Site Prim. Latitude:	37D34M30S	***FR NPL Update No.:***	
Site Prim. Longitude:	122D20M48S	***RFRA Code:***	
Lat Long Source:			
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA In-House
Act Code ID:	001	***Act Start Date:***	
RAT Code:	VS	***Act Complete Date:***	5/9/1990 00:00:00
RAT Short Name:	ARCH SITE	***AGT Order No.:***	1500

RAT Name:	ARCHIVE SITE	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		

RAT Def: The decision is made that no further activity is planned at the site.

Site Desc:

Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA Fund
Act Code ID:	001	***Act Start Date:***	
RAT Code:	PA	***Act Complete Date:***	5/9/1990 00:00:00
RAT Short Name:	PA	***AGT Order No.:***	130
RAT Name:	PRELIMINARY ASSESSMENT	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:	P	***SH Lead:***	
SPA Code:	13		

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

Site Desc:

Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	State (Fund)
Act Code ID:	001	***Act Start Date:***	
RAT Code:	DS	***Act Complete Date:***	12/1/1987 00:00:00
RAT Short Name:	DISCVRY	***AGT Order No.:***	10
RAT Name:	DISCOVERY	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		

RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.

Site Desc:

Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	
Act Code ID:		***Act Start Date:***	
RAT Code:		***Act Complete Date:***	
RAT Short Name:		***AGT Order No.:***	0
RAT Name:		***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:		***SH Seq:***	
RAT Level:		***SH Start Date:***	
RAT DEF OU:		***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:			

RAT Def:

Site Desc: No description available

.

Site Alias: No alias data available

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
104	2 of 3	NE	0.49 / 2,567.86	4.76 / -17	OXYTRAL 895 MITTEN RD BURLINGAME CA 94010	CERCLIS NFRAP

Site ID: 903161
Site EPA ID: CAD982359036
Site Parent ID:
Site County Name: SAN MATEO
Parent Site Name:
Site FIPS Code: 6081
Region Code: 9
Site Cong. Dist. Code: 11
Federal Facility:

CERCLIS-NFRAP Assess History

OU ID: 0
Act Code ID: 1
RAT Code: DS
RAT Short Name: DISCVRY
RAT Name: DISCOVERY
RAT Hist. Only Flag:
RAT NSI Indicator: B
RAT Level: 1
RAT DEF OU: 00
RFBS Code:
SPA Code: 13
RALT Short Name: State (Fund)
Act Start Date:
Act Complete Date: 12/1/1987
AGT Order No.: 10
SH OU:
SH Code:
SH Seq:
SH Start Date:
SH Complete Date:
SH Lead:
SH Qual:
RAQ Act. Qual Short:
RNPL Status Code: N
RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.
RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assess History

OU ID: 0
Act Code ID: 1
RAT Code: PA
RAT Short Name: PA
RAT Name: PRELIMINARY ASSESSMENT
RAT Hist. Only Flag:
RAT NSI Indicator: B
RAT Level: 1
RAT DEF OU: 00
RFBS Code: P
SPA Code: 13
RALT Short Name: EPA Fund
Act Start Date:
Act Complete Date: 5/9/1990
AGT Order No.: 130
SH OU:
SH Code:
SH Seq:
SH Start Date:
SH Complete Date:
SH Lead:
SH Qual:
RAQ Act. Qual Short: NFRAP
RNPL Status Code: N
RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.
RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assess History

OU ID: 0
Act Code ID: 1
RAT Code: VS
RAT Short Name: ARCH SITE
RAT Name: ARCHIVE SITE
RAT Hist. Only Flag:
RAT NSI Indicator: B
RAT Level: 1
RAT DEF OU: 00
RFBS Code:
SPA Code: 13
RALT Short Name: EPA In-House
Act Start Date:
Act Complete Date: 5/9/1990
AGT Order No.: 1500
SH OU:
SH Code:
SH Seq:
SH Start Date:
SH Complete Date:
SH Lead:
SH Qual:
RAQ Act. Qual Short:
RNPL Status Code: N
RAT Def: The decision is made that no further activity is planned at the site.
RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
104	3 of 3	NE	0.49 / 2,567.86	4.76 / -17	OXYTRAL 895 MITTEN RD	SEMS ARCHIVE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					BURLINGAME CA 94010	

Site ID: 0903161
EPA ID: CAD982359036
Superfund Alt Agmt: No
Federal Facility: No
FF Docket: No
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

FIPS Code: 06081
Cong District: 11
Region: 09
County: SAN MATEO

Action Information

Operable Units: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Actual:
Finish Actual: 05/08/1990
Qual:
Curr Action Lead: EPA Perf In-Hse

Operable Units: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Actual:
Finish Actual: 05/08/1990
Qual: N
Curr Action Lead: EPA Perf

Operable Units: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Actual: 11/30/1987
Finish Actual: 11/30/1987
Qual:
Curr Action Lead: St Perf

105	1 of 2	NE	0.49 / 2,587.10	6.32 / -15	PERIN COMPANY 895 MITTEN RD BURLINGAME CA	LOP SANMATEO

Case No: 660007
APN: 024403310
Case Type: O- Other Groundwater affected (uses other than drinking water)
Global ID: T0608100393

LUST Status

Status: 9- Case Closed

105	2 of 2	NE	0.49 / 2,587.10	6.32 / -15	PERIN COMPANY 895 MITTEN BURLINGAME CA 94010	LUST

Global ID: T0608100393
Status: COMPLETED - CASE CLOSED
Status Date: 6/26/1997
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download

County: SAN MATEO
Latitude: 37.599821
Longitude: -122.374638

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41-0412
Local Case No: 660007
Begin Date: 5/16/1986
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: YES
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
DWR GW Subbasin Name: Westside (2-035)

Potential COC: Waste Oil / Motor / Hydraulic / Lubricating
How Discovered: Other Means
Stop Method: Other Means
Stop Description:
Case Worker: BG
File Location: Local Agency

Disadvantaged Community:
Site History:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 5/7/1991
Action: Notice of Responsibility - #1

Action Type: Other
Date : 5/16/1986
Action: Leak Discovery

Action Type: Other
Date : 5/16/1986
Action: Leak Reported

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone No:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 6/26/1997

Status: Open - Case Begin Date
Status Date: 5/16/1986

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: PERIN COMPANY
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig: C
CUF Amount Paid: $38,722
Potential COC: WASTE OIL / MOTOR / HYDRAULIC / LUBRICATING
Facility Type:
Composting Method:
Address: 895 MITTEN
City: BURLINGAME
Zip: 94010
County: SAN MATEO
CUF Claim: 11737
File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608100393
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 6/26/1997
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608100393&tabname=regulatoryhistory
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 660007
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0412

CASEWORKER: Regional Water Board

Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 6/26/1997

Status: Open - Case Begin Date
Date : 5/16/1986

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Notices
Action Date: 5/7/1991
Received Issue Date: 5/7/1991
Action: Notice of Responsibility - #1
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 5/16/1986
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 5/16/1986
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

106	1 of 1	NW	0.49 / 2,603.47	18.02 / -3	PRIVATE RESIDENCE PRIVATE RESIDENCE MILLBRAE CA 94030	LUST

Global ID: T0608101058
Status: COMPLETED - CASE CLOSED
Status Date: 10/10/1991
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: SAN MATEO
Latitude: 37.600214
Longitude: -122.388669

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 41-1156
Local Case No: 990003
Begin Date: 10/10/1991
Lead Agency: SAN MATEO COUNTY LOP
Local Agency: SAN MATEO COUNTY LOP
CUF Case: NO
Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Potential COC:
How Discovered: Other Means
Stop Method: Other Means
Stop Description:
Case Worker: BG
File Location: Local Agency

DWR GW Subbasin Name: Westside (2-035)
Disadvantaged Community:
Site History:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 10/10/1991
Action: Notice of Responsibility - #1

Action Type: Other
Date : 12/17/1986
Action: Leak Reported

Action Type: Other
Date : 11/24/1986
Action: Leak Discovery

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: BRIAN GWINN
City: SAN MATEO
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 Alameda de las Pulgas, Suite 100
Email: bgwinn@smcgov.org
Phone No: 6502724590

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone No:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Case Begin Date
Status Date: 10/10/1991

Status: Completed - Case Closed
Status Date: 10/10/1991

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: PRIVATE RESIDENCE
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig:
CUF Amount Paid:
Potential COC: ,
Facility Type:
Composting Method:
Address: PRIVATE RESIDENCE
City: MILLBRAE
Zip: 94030
County: SAN MATEO
CUF Claim:
File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608101058
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 10/10/1991
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608101058&tabname=regulatoryhistory
Potential Media of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin: Westside (2-035)
Calwater Watershed Name: South Bay - San Mateo Bayside (204.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN MATEO COUNTY LOP (LEAD) - CASE #: 990003
CASEWORKER: BRIAN GWINN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-1156

CASEWORKER: Regional Water Board

Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Open - Case Begin Date
Date : 10/10/1991

Status: Completed - Case Closed
Date : 10/10/1991

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Notices
Action Date: 10/10/1991
Received Issue Date: 10/10/1991
Action: Notice of Responsibility - #1
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 12/17/1986
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 11/24/1986
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

107	1 of 2	WSW	0.51 / 2,670.57	91.84 / 71	SPRING VALLEY SCHOOL 817 MURCHISON DRIVE MILLBRAE CA 94030	SCH

Estor/EPA ID: 60001361
Site Code: 204245
Nat Priority List: NO
Acres: 3.8 ACRES
Special Program:
Funding: SCHOOL DISTRICT
Assembly District: 22
Senate District: 13
School District: MILLBRAE SCHOOL DISTRICT
APN: 025101230
Cleanup Status: NO FURTHER ACTION AS OF 7/18/2011
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: SCHOOL
Office: NORTHERN CALIFORNIA SCHOOLS & SANTA SUSANA
Past Use that Caused Contam: AGRICULTURAL - ORCHARD, PESTICIDE/INSECTIDE/RODENTICIDE STORAGE
Potential Media Affected: SOIL
Potential Contamin of Concern:

CHLORDANE, DDD, DDE, DDT, DIELDRIN

Permit Renewal Lead:
Project Manager: MELLAN SONGCO
Supervisor: JUAN KOPONEN
Public Partici Spclst:
Census Tract: 6081604900
County: SAN MATEO
Latitude: 37.590955
Longitude: -122.39073

SITE HISTORY:

The Site is approximately 3.8-acre of the 8-acre existing Spring Valley Elementary School parcel. The Site was undeveloped land prior to use as a school around the mid 1950's. The Site includes Buildig A, B, C & F, the one pad-mounted transformer area, and the field area on the eastern side of the Site.

In May 2010, soil sampling and analysis was conducted to assess the potential for contamination in anticipation of planned soil excavation, grading, and off-site disposal of soils during construction. Chlorinated pesticides were detected at levels above the CHHSLs. In November 2010, the Millbrae School District (District)voluntarily entered an Environmental Oversight Agreement with DTSC. The agreement covers the DTSC oversight cost for activities associated with the implementation of a Preliminary Environmental Assessment.

A PEA is needed to investigate the site for lead and organochlorine pesticides (OCPs) related to lead-based paint and termiticides on the current buildings (Buildings A, B, and C) and polychlorinated biphenyls (PCBs) from one on-site pad-mounted transformer.

On December 13, 2010, DTSC conducted a site visit and a scoping meeting with the District representatives and their consultants. On January 27, 2011, DTSC received the draft PEA Workplan. The PEA Workplan will investigate lead from lead-based paints in unpaved areas around the perimeter of Buildings A, B and C and PCBs from one pad-mounted transformer. On February 1, 2011, DTSC issued comments on the draft PEA Workplan. DTSC approved the PEA workplan for implementation on February 17, 2011.

On April 15, 2011, DTSC received the draft PEA Report for review and comment. The PEA Report indicated that lead was detected in 10 of 10 surface soil samples ranging from 10 to 29 milligrams per kilogram (mg/kg) which is below the California Human Health Screening Levels (CHHSLs) of 80 mg/kg and that Aroclor-1262 was the only PCB detected in the soil sample at a concentration of 37 micrograms per kilogram (µg/kg) which is below the risk-based screening level of 89 µg/kg. On April 22, 2011, DTSC issued comments on the draft PEA Report. The 30-day public comment period was from May 9, 2011 through June 7, 2011 and a public hearing was held on May 24, 2011. No public comments were received on the PEA Report.

On June 28, 2011, DTSC approved and concurred with the PEA Report with a no further action determination.

Status: NO FURTHER ACTION
Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 26-30%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60001361

Completed Activities

Title: Designated Manager Change
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001361&doc_id=60260527
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: *Correspondence - Received
Date Completed: 12/9/2010
Comments: On December 9, 2010, DTSC received a hard copy of the Change of Designated Manager letter. An e-copy was received on December 7, 2010 via e-mail.

Title: Results of additional Chlorinated Pesticide Sampling and Analysis and Response Actions_Background Information
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Other Report
Date Completed: 10/1/2010
Comments: On Oct 1, 2010, DTSC received a hard copy of this document as background information. On Oct 28, 2010, an e-copy was received.

Title: Preliminary Environmental Assessment Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001361&doc_id=60263352
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 6/28/2011
Comments: DTSC approved the revised PEA report with a no further action determination

Title: PEA Workplan implementation
Title Link:

Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Fieldwork
Date Completed:	2/19/2011
Comments:	On Feb 19, 2011, DTSC observed PES Environmental implement the PEA Workplan.
Title:	Preliminary Environmental Assessment Workplan
Title Link:	http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001361&doc_id=60258844
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Preliminary Endangerment Assessment Workplan
Date Completed:	2/17/2011
Comments:	On Feb 17, 2011, DTSC issued the PEA Workplan Approval letter.
Title:	EOA
Title Link:	http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001361&enforcement_id=60257325
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Environmental Oversight Agreement
Date Completed:	11/17/2010
Comments:	DTSC mailed the fully executed Environmental Oversight Agreement to the District

107	2 of 2	WSW	0.51 / 2,670.57	91.84 / 71	**SPRING VALLEY SCHOOL** **817 MURCHISON DRIVE** **MILLBRAE CA 94030**	ENVIROSTOR

Estor/EPA ID:	60001361	**Assembly District:**	22
Site Code:	204245	**Senate District:**	13
Nat Priority List:	NO	**Permit Renewal Lead:**	
APN:	025101230	**Public Partici Spclst:**	
Census Tract:	6081604900	**Project Manager:**	MELLAN SONGCO
Site Type:	SCHOOL	**County:**	SAN MATEO
Address Description:	817 MURCHISON DRIVE	**Latitude:**	37.590955
Office:	NORTHERN CALIFORNIA SCHOOLS & SANTA SUSANA	**Longitude:**	-122.39073
Special Program:		**Acres:**	3.8 ACRES
Funding:	SCHOOL DISTRICT	**Supervisor:**	JUAN KOPONEN
Cleanup Status:	NO FURTHER ACTION AS OF 7/18/2011		
Cleanup Oversight Agencies:	DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY		
School District:	MILLBRAE SCHOOL DISTRICT		
Past Use that Caused Contam:	AGRICULTURAL - ORCHARD, PESTICIDE/INSECTIDE/RODENTICIDE STORAGE		
Potential Media Affected:	SOIL		
Potential Contamin of Concern:			

CHLORDANE, DDD, DDE, DDT, DIELDRIN

Site History:

The Site is approximately 3.8-acre of the 8-acre existing Spring Valley Elementary School parcel. The Site was undeveloped land prior to use as a school around the mid 1950's. The Site includes Buildig A, B, C & F, the one pad-mounted transformer area, and the field area on the eastern side of the Site.

In May 2010, soil sampling and analysis was conducted to assess the potential for contamination in anticipation of planned soil excavation, grading, and off-site disposal of soils during construction. Chlorinated pesticides were detected at levels above the CHHSLs. In November 2010, the Millbrae School District (District)voluntarily entered an Environmental Oversight Agreement with DTSC. The agreement covers the DTSC oversight cost for activities associated with the implementation of a Preliminary Environmental Assessment.

A PEA is needed to investigate the site for lead and organochlorine pesticides (OCPs) related to lead-based paint and termiticides on the current buildings (Buildings A, B, and C) and polychlorinated biphenyls (PCBs) from one on-site pad-mounted transformer.

On December 13, 2010, DTSC conducted a site visit and a scoping meeting with the District representatives and their consultants. On January 27, 2011, DTSC received the draft PEA Workplan. The PEA Workplan will investigate lead from lead-based paints in unpaved areas around the perimeter of Buildings A, B and C and PCBs from one pad-mounted transformer. On February 1, 2011, DTSC issued comments on the draft PEA Workplan. DTSC

approved the PEA workplan for implementation on February 17, 2011.

On April 15, 2011, DTSC received the draft PEA Report for review and comment. The PEA Report indicated that lead was detected in 10 of 10 surface soil samples ranging from 10 to 29 milligrams per kilogram (mg/kg) which is below the California Human Health Screening Levels (CHHSLs) of 80 mg/kg and that Aroclor-1262 was the only PCB detected in the soil sample at a concentration of 37 micrograms per kilogram (µg/kg) which is below the risk-based screening level of 89 µg/kg. On April 22, 2011, DTSC issued comments on the draft PEA Report. The 30-day public comment period was from May 9, 2011 through June 7, 2011 and a public hearing was held on May 24, 2011. No public comments were received on the PEA Report.

On June 28, 2011, DTSC approved and concurred with the PEA Report with a no further action determination.

Status: NO FURTHER ACTION
A2 Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 26-30%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60001361

Completed Activities

Title: Preliminary Environmental Assessment Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001361&doc_id=60258844
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Workplan
Date Completed: 2/17/2011
Comments: On Feb 17, 2011, DTSC issued the PEA Workplan Approval letter.

Title: PEA Workplan implementation
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 2/19/2011
Comments: On Feb 19, 2011, DTSC observed PES Environmental implement the PEA Workplan.

Title: Designated Manager Change
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001361&doc_id=60260527
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: *Correspondence - Received
Date Completed: 12/9/2010
Comments: On December 9, 2010, DTSC received a hard copy of the Change of Designated Manager letter. An e-copy was received on December 7, 2010 via e-mail.

Title: Results of additional Chlorinated Pesticide Sampling and Analysis and Response Actions_Background Information
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Other Report
Date Completed: 10/1/2010
Comments: On Oct 1, 2010, DTSC received a hard copy of this document as background information. On Oct 28, 2010, an e-copy was received.

Title: Preliminary Environmental Assessment Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001361&doc_id=60263352
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 6/28/2011

Comments: DTSC approved the revised PEA report with a no further action determination

Title: EOA
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001361&enforcement_id=60257325
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement
Date Completed: 11/17/2010
Comments: DTSC mailed the fully executed Environmental Oversight Agreement to the District

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108	1 of 1	ENE	0.60 / 3,184.59	4.82 / -16	AREA BETW 860 STANTON & 855-857 MALCOLM BETW 860 STANTON RD & 855-857 MALCOLM RD BURLINGAME CA 94010	ENVIROSTOR

Estor/EPA ID: 41280136
Site Code:
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract: 6081605100
Site Type: * HISTORICAL
Address Description: BETW 860 STANTON RD & 855-857 MALCOLM RD
Office: CLEANUP BERKELEY
Special Program:
Funding:
Assembly District:
Senate District:
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: SAN MATEO
Latitude: 37.5994928
Longitude: -122.3718433
Acres: NONE SPECIFIED
Supervisor:
Cleanup Status: REFER: OTHER AGENCY AS OF 6/7/1994
Cleanup Oversight Agencies: NONE SPECIFIED
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

HALOGENATED ORGANIC COMPOUNDS, HALOGENATED SOLVENTS

Site History:

Status: REFER: OTHER AGENCY
A2 Program Type: HISTORICAL
CalEnviroScreen Score: 11-15%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=41280136

Completed Activities

Title: Site Screening
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 12/7/1988
Comments: Site Screening done: Sample results show 95 ppm stoddard solvent, TCE in soil between 860 Stanton Road & 855-857 Malcolm Road. Inter-property dispute over origin of con- tamination. Contamination often reaches groundwater. Recommed PEA. Site is listed on Cortese.

109	1 of 1	E	0.63 / 3,323.72	10.71 / -11	COEN CO. INC. 1510 ROLLINS RD. BURLINGAME CA 94010	ENVIROSTOR

Estor/EPA ID: 41360041
Site Code:
Nat Priority List: NO
Assembly District: 22
Senate District: 13
Permit Renewal Lead:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

APN:	025273080	**Public Partici Spclst:**	
Census Tract:	6081605100	**Project Manager:**	
Site Type:	* HISTORICAL	**County:**	SAN MATEO
Address Description:	1510 ROLLINS RD.	**Latitude:**	37.5934751941779
Office:	CLEANUP BERKELEY	**Longitude:**	-122.369747991111
Special Program:		**Acres:**	NONE SPECIFIED
Funding:		**Supervisor:**	

Cleanup Status: REFER: OTHER AGENCY AS OF 6/15/1994
Cleanup Oversight Agencies: NONE SPECIFIED
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

CONTAMINATED SOIL

Site History:

Status: REFER: OTHER AGENCY
A2 Program Type: HISTORICAL
CalEnviroScreen Score: 11-15%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=41360041

Completed Activities

Title: Discovery
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Discovery
Date Completed: 8/1/1980
Comments: FACILITY IDENTIFIED ACTIVE SITE I.D.'D IND. OF DRIVE BY

Title: Site Screening
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 6/9/1987
Comments: SITE SCREENING DONE COMPANY DESIGNS & MANUFACTURES CUSTOM COMBUSTION & CONTROL SYSTEMS. RATIONALE FOR PA: REPORTED OBSERVATIONS OF STRESSED VEGETATION/STAINED SOIL ONSITE; NO INFO ON FILE SPECIFIC TO ACTIONS TAKEN BY THE RWQCB UPON REFERRAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
110	1 of 2	ENE	0.68 / 3,593.28	7.00 / -14	NEW CONTINUATION/ALTERNATIVE HIGH SCHOOL 858 - 860 HINCKLEY ROAD BURLINGAME CA 94010	ENVIROSTOR

Estor/EPA ID:	60002622	**Assembly District:**	, 22
Site Code:	204298	**Senate District:**	, 13
Nat Priority List:	NO	**Permit Renewal Lead:**	
APN:	026310480	**Public Partici Spclst:**	
Census Tract:	6081605100	**Project Manager:**	JOSE LUEVANO
Site Type:	SCHOOL	**County:**	SAN MATEO
Address Description:	858 - 860 HINCKLEY ROAD	**Latitude:**	37.597898
Office:	NORTHERN CALIFORNIA SCHOOLS & SANTA SUSANA	**Longitude:**	-122.369287
Special Program:		**Acres:**	1 ACRES
Funding:	SCHOOL DISTRICT	**Supervisor:**	JOSE SALCEDO

Cleanup Status: INACTIVE - WITHDRAWN AS OF 7/26/2018
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY

School District: SAN MATEO UNION HIGH SCHOOL DISTRICT
Past Use that Caused Contam: MACHINE SHOP, OFFICE BUILDING, PAINT/DEPAINT FACILITY, UNKNOWN
Potential Media Affected: OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL, SOIL VAPOR
Potential Contamin of Concern:

METALS, NATURALLY OCCURRING ASBESTOS (NOA), ORGANOCHLORINE PESTICIDES (8081 OCPS), PETROLEUM, POLYCHLORINATED BIPHENYLS (PCBS), POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS), VOLATILE ORGANICS (8260B VOCS)

Site History:

the San Mateo Unified School District (District) plans to construct a new two-story building for an alternative/continuation high school. The remining area of the Site will be occupied by a new basketball court, concrete flatwork, parking lot, underground utilities and landscaping. The proposed school will include nine classrooms and accommodate 225 students. Water and sewer services are provided by a local municipality.

Historically, the Site was within the San Francisco Bay margin tidelands from before 1894 through 1956. By 1963 the Site and surrounding area between US-101 and the Bay margin had been filled with fill material from an unidentified source area. Between 1963 and 1968, a building was constructed on the Site. The Siemens Corporation, a large international corporation which supplies medical diagnostic, power generation and electrical equipment, railway vehicles, energy and water treatment systems, and additional services, from 1970 through approximately 1995. Siemens' use of the Site was reported to be likely as a sales or other office, possibly for warehousing. USGS Topographic maps show no building on the Site from 1993 through 1997. The building reappears in a 1998 aerial photograph. The Sheet Metal Workers Union Local 104 subsequently occupied the Site between 1997 and 2013. The Sheet Metal Workers Union Local 104 activities included training and offices. The training included welding, soldering, cutting, shearing, bending and pounding of metals, particularly galvanized sheet metal. Essence Printing, Inc. has occupied the Site since 2014.

The site is rectangular-shaped, comprising approximately one acre. The site is essentially flat-lying and is at an elevation of approximately 8 feet above sea level. A single building occupies approximate half of the Site, with a paved asphalt parking lot occupying the remaining half of the Site. The existing building is one-story of concrete tilt-up construction, likely constructed on a concrete pad (slab on grade). Many of the surrounding buildings are of similar size and construction. Land use surrounding the Site is similar, with various offices, commercial and light industrial buildings and businesses in all directions. San Francisco Bay is located approximately 0.2 miles northeast; San Francisco International Airport is located approximately 0.75 miles northwest; and additional office, commercial and light industrial are located further south and west, with residential neighborhoods still further west.

The Phase I identifies no RECs that may have potentially impacted the Site from historical and current land use. The Phase I identifies historical RECs and controlled or past releases which have been addressed but which have contamination remaining thus requiring activity and use limitations. Including the Coit Drapery and Carpet Cleaners facility located approximately 275 feet south of the Site, at 897 Hinkley Road. The Coit Drapery and Carpet Cleaners released petroleum hydrocarbon and dry-cleaning chemicals to the soil and ground water. Reportedly, shallow soils have been impacted, and VOC soil vapor concentrations within and near the Coit site exceed regulatory environmental screening levels (ESL). The Phase I indicates that based on the lack of ground water contaminant transmission from the Coit facility and the shallow depth to ground water, which limits the volume of unsaturated soil capable of transmitting vapor, it appears unlikely that the Site would be impacted by the Coit site release. The Phase I does not present a recommendation.

Based on the information provided in the Phase I, DTSC has determined that it will not approve or disapprove the Phase I; however, DTSC has determined that the Phase I contains sufficient information to determine that a Preliminary Environmental Assessment (PEA) is required for the Site. DTSC has identified environmental conditions of concern from historical land use, onsite structure, reported fill material from an unknown source area, naturally occurring substances, and a reported off-site release that could have potentially impacted the Site.

LAST UPDATED ON DEC 26, 2018

Status: INACTIVE - WITHDRAWN
A2 Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 11-15%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60002622

Completed Activities

Title: Phase I ESA
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002622&doc_id=60442466
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 4/13/2018
Comments: On Apr 13, 2018, DTSC issued a PEA-Required determination.

Title: EOA Application
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002622&doc_id=60443961
Area Name:
Area Link:
Sub Area:

Sub Area Link:
Document Type: Environmental Oversight Agreement Application
Date Completed: 4/26/2018
Comments: EOP Application submitted 4/26/18.

Title: PROJECT WITHDRAWAL: San Mateo Union HSD, New Continuation/Alternative HS (204298)
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002622&enforcement_id=60447467
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 7/26/2018
Comments: On Jul 26, 2018, DTSC PM received notice via email indicating the District's intent to withdraw from DTSC oversight of the subject project.

Title: PEA WORKPLAN: San Mateo Union HSD, New Cont/Alt HS (204298)
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Workplan
Date Completed: 7/26/2018
Comments: On Jul 26, 2018, DTSC PM received notice via email indicating the District's intent to withdraw from DTSC oversight of the subject project.

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110 ***2 of 2*** ***ENE*** ***0.68 / 3,593.28*** ***7.00 / -14*** ***NEW CONTINUATION/ALTERNATIVE HIGH SCHOOL 858 - 860 HINCKLEY ROAD BURLINGAME CA 94010*** ***SCH***

Estor/EPA ID: 60002622
Site Code: 204298
Nat Priority List: NO
Acres: 1 ACRES
Special Program:
Funding: SCHOOL DISTRICT
Assembly District: , 22
Senate District: , 13
Permit Renewal Lead:
Project Manager: JOSE LUEVANO
Supervisor: JOSE SALCEDO
Public Partici Spclst:
Census Tract: 6081605100
County: SAN MATEO
Latitude: 37.597898
Longitude: -122.369287
School District: SAN MATEO UNION HIGH SCHOOL DISTRICT
APN: 026310480
Cleanup Status: INACTIVE - WITHDRAWN AS OF 7/26/2018
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: SCHOOL
Office: NORTHERN CALIFORNIA SCHOOLS & SANTA SUSANA
Past Use that Caused Contam: MACHINE SHOP, OFFICE BUILDING, PAINT/DEPAINT FACILITY, UNKNOWN
Potential Media Affected: OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL, SOIL VAPOR
Potential Contamin of Concern:

METALS, NATURALLY OCCURRING ASBESTOS (NOA), ORGANOCHLORINE PESTICIDES (8081 OCPS), PETROLEUM, POLYCHLORINATED BIPHENYLS (PCBS), POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS), VOLATILE ORGANICS (8260B VOCS)

SITE HISTORY:

the San Mateo Unified School District (District) plans to construct a new two-story building for an alternative/continuation high school. The remining area of the Site will be occupied by a new basketball court, concrete flatwork, parking lot, underground utilities and landscaping. The proposed school will include nine classrooms and accommodate 225 students. Water and sewer services are provided by a local municipality.

Historically, the Site was within the San Francisco Bay margin tidelands from before 1894 through 1956. By 1963 the Site and surrounding area between US-101 and the Bay margin had been filled with fill material from an unidentified source area. Between 1963 and 1968, a building was constructed on the Site. The Siemens Corporation, a large international corporation which supplies medical diagnostic, power generation and electrical equipment, railway vehicles, energy and water treatment systems, and additional services, from 1970 through approximately 1995. Siemens' use of the Site was reported to be likely as a sales or other office, possibly for warehousing. USGS Topographic maps show no building on the Site from 1993 through 1997. The building reappears in a 1998 aerial photograph. The Sheet Metal Workers Union Local 104 subsequently occupied the Site between 1997 and 2013. The Sheet Metal Workers Union Local 104 activities included training and offices. The training included welding, soldering, cutting, shearing, bending and pounding of metals, particularly galvanized sheet metal. Essence Printing, Inc. has occupied the Site since 2014.

The site is rectangular-shaped, comprising approximately one acre. The site is essentially flat-lying and is at an elevation of approximately 8 feet above sea level. A single building occupies approximate half of the Site, with a paved asphalt parking lot occupying the remaining half of the Site. The existing building is one-story of concrete tilt-up construction, likely constructed on a concrete pad (slab on grade). Many of the surrounding buildings are of similar size and construction. Land use surrounding the Site is similar, with various offices, commercial and light industrial buildings and businesses in all directions. San Francisco Bay is located approximately 0.2 miles northeast; San Francisco International Airport is located approximately 0.75 miles northwest; and additional office, commercial and light industrial are located further south and west, with residential neighborhoods still further west.

The Phase I identifies no RECs that may have potentially impacted the Site from historical and current land use. The Phase I identifies historical RECs and controlled or past releases which have been addressed but which have contamination remaining thus requiring activity and use limitations. Including the Coit Drapery and Carpet Cleaners facility located approximately 275 feet south of the Site, at 897 Hinkley Road. The Coit Drapery and Carpet Cleaners released petroleum hydrocarbon and dry-cleaning chemicals to the soil and ground water. Reportedly, shallow soils have been impacted, and VOC soil vapor concentrations within and near the Coit site exceed regulatory environmental screening levels (ESL). The Phase I indicates that based on the lack of ground water contaminant transmission from the Coit facility and the shallow depth to ground water, which limits the volume of unsaturated soil capable of transmitting vapor, it appears unlikely that the Site would be impacted by the Coit site release. The Phase I does not present a recommendation.

Based on the information provided in the Phase I, DTSC has determined that it will not approve or disapprove the Phase I; however, DTSC has determined that the Phase I contains sufficient information to determine that a Preliminary Environmental Assessment (PEA) is required for the Site. DTSC has identified environmental conditions of concern from historical land use, onsite structure, reported fill material from an unknown source area, naturally occurring substances, and a reported off-site release that could have potentially impacted the Site.

LAST UPDATED ON DEC 26, 2018

Status: INACTIVE - WITHDRAWN
Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 11-15%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60002622

Completed Activities

Title: Phase I ESA
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002622&doc_id=60442466
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 4/13/2018
Comments: On Apr 13, 2018, DTSC issued a PEA-Required determination.

Title: PEA WORKPLAN: San Mateo Union HSD, New Cont/Alt HS (204298)
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Workplan
Date Completed: 7/26/2018
Comments: On Jul 26, 2018, DTSC PM received notice via email indicating the District's intent to withdraw from DTSC oversight of the subject project.

Title: EOA Application
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002622&doc_id=60443961
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement Application
Date Completed: 4/26/2018
Comments: EOP Application submitted 4/26/18.

Title: PROJECT WITHDRAWAL: San Mateo Union HSD, New Continuation/Alternative HS (204298)
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002622&enforcement_id=60447467
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date Completed: 7/26/2018
Comments: On Jul 26, 2018, DTSC PM received notice via email indicating the District's intent to withdraw from DTSC oversight of the subject project.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
111	1 of 1	NW	0.76 / 4,031.75	23.52 / 2	FOMER BETTY BRITE 446 BROADWAY MILLBRAE CA 94030	ENVIROSTOR

Estor/EPA ID: 60001046
Site Code:
Nat Priority List: NO
APN: 024122120
Census Tract: 6081604400
Site Type: EVALUATION
Address Description: 446 BROADWAY
Office: CLEANUP BERKELEY
Special Program:
Funding: NOT APPLICABLE
Assembly District: 22
Senate District: 13
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: SAN MATEO
Latitude: 37.602215
Longitude: -122.39307
Acres: 1 ACRES
Supervisor:
Cleanup Status: REFER: 1248 LOCAL AGENCY AS OF 9/13/2006
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

Status: REFER: 1248 LOCAL AGENCY
A2 Program Type: EVALUATION
CalEnviroScreen Score: 46-50%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60001046

Completed Activities

Title: Voluntary Oversight of Remedial Action Investigation
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001046&doc_id=6022108
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Other Report
Date Completed: 9/13/2006
Comments:

Unplottable Summary

Total: 5 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
CHMIRS	caltrans	sb el camino real jso sneath ***Control No*** **|** ***Notified Date:*** 5/23/1996	san mateo CA		860455828
CHMIRS	NRC	Corner of Peninsula & El Camino Real ***Control No*** **|** ***Notified Date:*** 13-0351 **|**	San Mateo CA		821880615
EMISSIONS	CITY OF BURLINGAME	TROUSDALE DRIVE	BURLINGAME CA	94010	861201021
HAZNET	CALIFORNIA JOCKEY CLUB	9225-9253 S EL CAMINO REAL	SAN MATEO CA	944020000	826602617
HMIRS		EL CAMINO REAL	SAN MATEO CA		818545279

Unplottable Report

Site: ***caltrans***
sb el camino real jso sneath san mateo CA CHMIRS

Control No:		***Notified Date:***	5/23/1996
Notified Date Time:	05:10:34 PM	***Year:***	1996
County:	SAN MATEO		
URL:			

Site: ***NRC***
Corner of Peninsula & El Camino Real San Mateo CA CHMIRS

Control No:	13-0351	***Notified Date:***	
Notified Date Time:		***Year:***	2013
County:	San Mateo County		
URL:	https://w3.calema.ca.gov/operational/malhaz.nsf/f1841a103c102734882563e200760c4a/929a0c20e0a081e688257af6003b8290?OpenDocument		

Spill Report View

Amount 1:		***Creation Date:***	01/17/2013 02:50 AM
Amount 2:		***Received By:***	
Amount 3:		***Admin Agency:***	
Type:	PETROLEUM	***Admin Agency 2:***	
Water:		***Additional County:***	
On Scene:		***Phone No:***	
Other on Scene:		***Ext:***	
Other Notified:		***Pag Cell:***	
Document Title:	SPILL Report		
Spill Site:	Road		
Cause Desc for Other:			
Person Notifying Cal OES:			

Hazardous Materials Spill Report

Control Cal OES:	13-0351	***Type 3:***	
Control NRC:	1035903	***Other 3:***	
Date :	01/17/2013	***Pipeline 3:***	No
Incident Date:	01/17/2013	***Ves >= 300 Tons 3:***	No
Time:	0250	***Name:***	
Incident Time:	0000	***Phone:***	
Water Involved:	Unknown	***Ext:***	
Drink Wtr Impact:	Unknown	***Pag Cell:***	
Qty 1:	=	***PRS Name:***	
Measure 1:	Gal(s)	***PRS Phone:***	
Type 1:	PETROLEUM	***PRS Ext:***	
Pipeline 1:	No	***PRS Pag Cell:***	
Ves >= 300 Tons 1:	No	***Received By:***	
Qty 2:	=	***Header Unknown:***	BAY AREA AQMD
Amount 2:		***Incident Desc:***	
Measure 2:		***R R Crssing < 50 Ft:***	
Type 2:		***Uprr Rim :***	
Other 2:		***Notification Info:***	
Pipeline 2:	No	***Notification List:***	
Vessel >= 300 Tns 2:	No	***DOG Unit:***	
Qty 3:	=	***RWQCB Unit:***	2
Amount 3:		***Injuries:***	No
Measure 3:		***Fatality:***	No
Incident Location:	Corner of Peninsula & El Camino Real		
Reported Cause:	Unknown		

Amount 1:	25
Substance 1:	Mineral Oil - Non PCB
Substance 2:	
Substance 3:	
Waterway:	storm drain
Contained:	Yes
Known Impact:	None
Other 1:	
Detail for Other:	
Site:	Road
On Scene:	Fire Dept., Police Dept.
Other on Scene:	
Other Notified:	NRC
Evacuation:	No
Cleanup By:	Contractor
Agency:	NRC
PRS Agency:	PG&E
Admin Agency:	San Mateo County Environmental Health
Sec Agency:	
Additional County:	
Admin Agency 2:	
Description:	Per NRC: "The caller reported that non-PCB mineral oil discharged from a two (2) pole mounted transformers due to unknown causes. When the transformers fell they landed on a fire hydrant which caused water to be released. It as yet to be determined if any drains have been impacted." Remedial Actions: "Cleanup-crew is enroute"

Site: ***CITY OF BURLINGAME***
TROUSDALE DRIVE BURLINGAME CA 94010

EMISSIONS

2010 Toxic Data

Facility ID:	18537	***COID:***	SM
Facility SIC Code:	9229	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2011 Toxic Data

Facility ID:	18537	***COID:***	SM
Facility SIC Code:	9229	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2012 Toxic Data

Facility ID:	18537	***COID:***	SM
Facility SIC Code:	9229	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Toxic Data

Facility ID: 18537
Facility SIC Code: 9229
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2014 Criteria Data

Facility ID: 18537
Facility SIC Code: 9229
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .000005364
ROGT:
COT: .000025798
NOXT: .000093525
SOXT: .000000109
PMT: .000002704
PM10T: .000002596

2014 Toxic Data

Facility ID: 18537
Facility SIC Code: 9229
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2015 Criteria Data

Facility ID: 18537
Facility SIC Code: 9229
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .000085819
ROGT: .000078683
COT: .000412761
NOXT: .001496395
SOXT: .00000174
PMT: .000043267
PM10T: .000041536

2015 Toxic Data

Facility ID: 18537
Facility SIC Code: 9229
CO: 41
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2016 Criteria Data

Facility ID: 18537
Facility SIC Code: 9229
CO: 41
Air Basin: SF
District: BA
COID: SM
DISN: BAY AREA AQMD
CHAPIS:
CERR CODE:
TOGT: .000085819
ROGT: .0000753919915
COT: .000412761
NOXT: .001496395
SOXT: .00000174
PMT: .000043267
PM10T: .000041536

2016 Toxic Data

Facility ID:	18537	***TS:***	
Facility SIC Code:	9229	***HRA:***	
CERR CODE:		***CH Index:***	
COID:	SM	***AH Index:***	
CO:	41	***Air Basin:***	SF
DISN:	BAY AREA AQMD	***District:***	BA
CHAPIS:			

2017 Criteria Data

Facility ID:	18537	***CERR Code:***	
Facility SIC Code:	9229	***TOGT:***	.000085819
CO:	41	***ROGT:***	.0000753919915
Air Basin:	SF	***COT:***	.000412761
District:	BA	***NOXT:***	.001496395
COID:	SM	***SOXT:***	.00000174
DISN:	BAY AREA AQMD	***PMT:***	.000043267
CHAPIS:		***PM10T:***	.000041536

2017 Toxic Data

Facility ID:	18537	***COID:***	SM
Facility SIC Code:	9229	***DISN:***	BAY AREA AQMD
CO:	41	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Site: ***CALIFORNIA JOCKEY CLUB***
9225-9253 S EL CAMINO REAL SAN MATEO CA 944020000

HAZNET

SIC Code:		***Mailing City:***	SAN MATEO
NAICS Code:		***Mailing State:***	CA
EPA ID:	CAC000736200	***Mailing Zip:***	944020000
Create Date:	1/24/1997	***Region Code:***	2
Fac Act Ind:	No	***Owner Name:***	CALIFORNIA JOCKEY CLUB
Inact Date:	10/25/2000	***Owner Addr 1:***	2600 DELAWARE ST
County Code:	41	***Owner Addr 2:***	
County Name:	San Mateo	***Owner City:***	SAN MATEO
Mail Name:		***Owner State:***	CA
Mailing Addr 1:	2600 DELAWARE ST	***Owner Zip:***	944020000
Mailing Addr 2:		***Owner Phone:***	0000000000
Owner Fax:			

Contact Information

--	--
Contact Name:	RAY KURATEK
Street Address 1:	2600 DELAWARE ST
Street Address 2:	
City:	SAN MATEO
State:	CA
Zip:	944020000
Phone:	4155734669
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Tanner Information

--	--
Generator EPA ID:	CAC000736200
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAL000027741
TSD County Code:	05
TSD County:	Calaveras

State Waste Code:	151
State Waste Code Desc.:	Asbestos containing waste
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	22.7556
Year:	1997
--	--
Generator EPA ID:	CAC000736200
Generator County Code:	41
Generator County:	San Mateo
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H01
Method Description:	Transfer station
Tons:	0.1
Year:	1997
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Site:

EL CAMINO REAL SAN MATEO CA

HMIRS

Incident County: SAN MATEO

HMIR Incident Reports

Report No:	I-1999081676	***Fed DOT Agency Nm:***	
Report Type:	A hazardous material incident	***Fed DOT Report No:***	
Date of Incident:	1999-07-20	***Report Submit Src:***	Paper
Time of Incident:	1445	***Inc Multiple Rows:***	No
Haz Class Code:		***Inc Non US State:***	
Hazardous Class:	3	***Mode Transport:***	Highway
Commodity Short Nm:	GASOLINE INCLUDES GASOLI	***Transport Phase:***	Unloading
Commodity Long Nm:	GASOLINE INCLUDES GASOLINE MIXED WITH ETHYL ALCOHOL, WITH NOT MORE THAN 10% ALCOHOL	***Incident Occrrnce:***	
Trade Name:		***Mat Ship Approval?:***	No
ID No:	UN1203	***Mat Ship Approv No:***	
Haz Waste Ind:	No	***Undecl Hazmat Ship?:***	No
Haz Waste EPA No:		***Packaging Type:***	Portable Tank
HMIS Tox Inhalation?:	No	***Packing Group:***	
TIH Hazard Zone:		***Carrier Reporter:***	WILLIAMS TANK LINES
Qty Released:	320	***CR Street Name:***	1477 TILLIE LEWIS DR
Unit of Measure:	Liquid - Gallon	***CR City:***	STOCKTON
What Failed:	102; 141	***CR State:***	CA
What Failed Desc:	Auxiliary Valve; Piping or Fittings	***CR Postal Code:***	95206
How Failed Code:	303;	***CR Non US State:***	
How Failed Desc:	Burst or Ruptured;	***CR Fed DOT ID:***	229047
Failure Cause Code:	529;	***CR Hazmat Reg ID:***	
Failure Cause Desc:	Overfilled;	***CR Country:***	US
Ident. Markings:		***Shipper Name:***	ARCO PRODUCTS COMPANY
Cont1 Pkging Type:		***Shipper Street Name:***	515 S. FLOWER ST
Cont1 Const Mat:		***Shipper City:***	LOS ANGELES
Cont1 Head Type:		***Shipper State:***	CA
Cont1 Pkg Capacity:	0	***Shipper Postal:***	90071
C1 Capacity UOM:		***Shipper Non US St:***	
Cont1 Pkg Amt:	0	***Shipper Country:***	US
C1 Pkg Amt UOM:		***Shipper Waybill:***	401641
Cont1 Pkg No:	1	***Ship Hazmat Reg ID:***	
C1 Pkg NO Failed:	1	***Origin City:***	BRISBANE
Cont1 Pkg Mnfctr:	NOT REPORTED BY CARRIER	***Origin State:***	CA
Cont1 Pkg Mnfct Dt:	0-00-00 00:00:00	***Origin Postal:***	94005
Cont1 Pkg Serial NO:		***Origin Non US St:***	
C1 Pkg Last Test Dt:	0-00-00 00:00:00	***Origin Country:***	US
C1 Test Const Mat:		***Destination City:***	SAN MATEO
C1 Pkg Dsign Pres.:	0	***Destination State:***	CALIFORNIA
C1 Dsign Press UOM:		***Destination Postal:***	94401

C1 Pkg Shell Thick:	0	***Destination Non US:***	
C1 Shell Thick UOM:		***Destination Country:***	US
C1 Head Thickness:	0	***Cont2 Package Type:***	
C1 Head Thick UOM:		***Cont2 Const Mat:***	
C1 Pkg Srvc Pres.:	0	***Cont2 Pkg Capacity:***	0
C1 Srvc Press UOM:		***Cont2 Capacity UOM:***	
C1 Valve/Device Fail?:	No	***Cont2 Pkg Amount:***	0
C1 Device Type:		***Cont2 Pkg Amt UOM:***	
C1 Device Mnfctr:		***Cont2 Pkg No:***	0
C1 Device Model:		***Cont2 Pkg No Failed:***	0
NRC No:			

RAM Pkg Category:		***Haz NonHosp Public:***	0
RAM Pkg Cert.:	FALSE	***Haz NonHosp Old:***	
RAM Pkg Cert. NBR:		***Tot Haz Non Hosp Inj:***	
RAM Nuclide S:		***Total Hazmat Injuries:***	0
RAM Transport Index:		***Evacuation Indicator:***	No
RAM UOM:		***Public Evacuated:***	0
RAM Activity Rpted:	0	***Employees Evac:***	0
RAM UOM Rpted:		***Total Evacuated:***	0
RAM Activity:	0	***Total Evacuation Hrs:***	0
RAM Activity UOM:		***Major Artery Closed:***	No
RAM Mat Safety:		***Mjr Artery Hrs Closed:***	0
Spillage Result:	Yes	***Material Involved:***	No
Fire Result:	No	***Estimated Speed:***	0
Explosion Result:	No	***Weather Conditions:***	
Water Sewer Result:	No	***Vehicle Overturn:***	No
Gas Dispersion:	No	***Vehicle Left Roadway:***	No
Environment Damage:	No	***Passenger Aircraft:***	No
No Release Result:	No	***Cargo Baggage:***	
Fire EMS Report:	No	***Ship Non Transport:***	No
Fire EMS EMS Report:		***Ship Air First Flight:***	No
Police Report:	No	***Ship Air Subflight:***	No
Police Report No:		***Ship Init Transport:***	No
In House Cleanup:	No	***Ship Phase Transfer:***	No
Other Cleanup:	No	***Contact Name:***	GARTH WILLIAMS
Damage > 500:	Yes	***Contact Title:***	OPERATIONS MANAGER
Material Loss:	400	***Contact Business:***	
Carrier Damage:	0	***Contact Street:***	
Property Damage:	0	***Contact City:***	
Response Cost:	0	***Contact State:***	
Remediation Cost:	5000	***Contact Postal:***	
Damage Old Form:	0	***Contact Non US St:***	
Total Damages Amt:	5400	***Contact Country:***	US
Hazmat Fatality:	No	***Inc. Report Prepared:***	
Haz Fatal Employees:	0	***HMIS Serious Incidnt:***	Yes
Haz Fatal Respndrs:	0	***HMIS Serious Fatality:***	No
Haz Fatal Gen Public:	0	***HMIS Serious Injury:***	No
Tot Hazmat Fatalities:	0	***HMIS Flight Plan:***	No
Non Hazmat Fatality:	No	***HMIS Serious Evacs:***	No
Non Hazmat Fatals:	0	***HMIS Major Artery:***	No
Hazmat Injury:	No	***HMIS Bulk Release:***	Yes
Haz Hospital Empl:	0	***HMIS Marine Pollutnt:***	No
Haz Hospital Resp:	0	***HMIS Radioactive:***	No
Haz Hosp Gen Public:	0	***HMIS Gen Pkg Type:***	TANK
Haz Hosp Old Form:	0	***HMIS Container Code:***	TANK TRK
Total Haz Hosp Inj:	0	***HMIS Container Desc:***	Tank truck, tank mounted on truck chassis
Haz Non Hosp Empl:	0	***HMIS Bulk Incident:***	Yes
Haz Non Hosp Resp:	0	***Undeclared Shipment:***	No

Description of Events: WHILE MAKING THE FUEL DELIVERY, THE UNDERGROUND STORAGE TANK OVERFILL PROTECTION SYSTEM WAS ACTIVATED ABRUPTLY, WHICH CAUSED THE DELIVERY FITTING TO BE DISCONNECTED FROM THE STORAGE TANK, CAUSING THE PRODUCT TO SPILL.

Recommend Actions Taken:

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

National Priority List: NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Apr 27, 2021

National Priority List - Proposed: PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Apr 27, 2021

Deleted NPL: DELETED NPL

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.

Government Publication Date: Apr 27, 2021

SEMS List 8R Active Site Inventory: SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Mar 23, 2021

SEMS List 8R Archive Sites: SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Mar 23, 2021

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means 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 this site on the National Priorities List (NPL). This 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 a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info 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. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Apr 5, 2021

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info 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. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Apr 5, 2021

RCRA Generator List: RCRA LQG

RCRA Info 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Apr 5, 2021

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Apr 5, 2021

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the 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. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Apr 5, 2021

RCRA Non-Generators: RCRA NON GEN

RCRA Info 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Apr 5, 2021

Federal Engineering Controls-ECs: FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Feb 23, 2021

Federal Institutional Controls- ICs: FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Feb 23, 2021

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Nov 9, 2020

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

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 protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 6, 2021

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Dec 2, 2020

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Jul 10, 2020

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Apr 28, 2020

LIEN on Property: SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Mar 23, 2021

Superfund Decision Documents: SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Feb 23, 2021

State

State Response Sites: RESPONSE

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database is state equivalent NPL.

Government Publication Date: Jan 13, 2021

EnviroStor Database: ENVIROSTOR

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database is state equivalent CERCLIS.

Government Publication Date: Jan 13, 2021

Delisted State Response Sites: DELISTED ENVS

Sites removed from the list of State Response Sites made available by the EnviroStor Data Management System, Department of Toxic Substances Control (DTSC).

Government Publication Date: Jan 13, 2021

Solid Waste Information System (SWIS): SWF/LF

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

Government Publication Date: Apr 30, 2021

Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels: SWRCB SWF

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

Government Publication Date: Sep 20, 2006

EnviroStor Hazardous Waste Facilities: HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

Government Publication Date: Jan 13, 2021

Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report: SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

Government Publication Date: Dec 31, 1995

Construction and Demolition Debris Recyclers: C&D DEBRIS RECY

This listing of Construction and Demolition Debris Recyclers is maintained by the California Intergrated Waste Management Board-common C&D materials include lumber, drywall, metals, masonry (brick, concrete, etc.), carpet, plastic, pipe, rocks, dirt, paper, cardboard, or green waste related to land development.

Government Publication Date: Jun 20, 2018

Recycling Centers: RECYCLING

This list of Certified Recycling Centers that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Nov 2, 2020

Listing of Certified Processors: PROCESSORS

This list of Certified Processors that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Oct 27, 2020

Listing of Certified Dropoff, Collection, and Community Service Programs: CONTAINER RECY

This list of Certified Dropoff, Collection, and Community Service Programs (non-buyback) operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Dec 16, 2020

Land Disposal Sites: LDS

Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.

Government Publication Date: Mar 9, 2021

Leaking Underground Fuel Tank Reports: LUST

List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.

Government Publication Date: Mar 9, 2021

Delisted Leaking Storage Tanks: DELISTED LST

List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.

Government Publication Date: May 5, 2021

Permitted Underground Storage Tank (UST) in GeoTracker: UST

List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).

Government Publication Date: Mar 23, 2021

Proposed Closure of Underground Storage Tank Cases: UST CLOSURE

List of UST cases that are being considered for closure by either the California Environmental Protection Agency, State Water Resources Control Board or the Executive Director that have been posted for a 60-day public comment period.

Government Publication Date: May 5, 2021

Historical Hazardous Substance Storage Information Database: HHSS

The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.

Government Publication Date: Aug 27, 2015

Statewide Environmental Evaluation and Planning System: UST SWEEPS

The Statewide Environmental Evaluation and Planning System (SWEEPS) is a historical listing of active and inactive underground storage tanks made available by the California State Water Resources Control Board (SWRCB).

Government Publication Date: Oct 1, 1994

Aboveground Storage Tanks: AST

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

Government Publication Date: Aug 31, 2009

SWRCB Historical Aboveground Storage Tanks: AST SWRCB

A list of aboveground storage tanks made available by the California State Water Resources Control Board (SWRCB). Effective January 1, 2008, the Certified Unified Program Agencies (CUPAs) are vested with the responsibility and authority to implement the Aboveground Petroleum Storage Act (APSA).

Government Publication Date: Dec 1, 2007

Oil and Gas Facility Tanks: TANK OIL GAS

Locations of oil and gas tanks that fall under the jurisdiction of the Geologic Energy Management Division of the California Department of Conservation (CalGEM) (CCR 1760). CalGEM was formerly the Division of Oil, Gas, and Geothermal Resources (DOGGR).

Government Publication Date: Apr 14, 2021

Delisted Storage Tanks: DELISTED TNK

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

Government Publication Date: Apr 14, 2021

California Environmental Reporting System (CERS) Tanks: CERS TANK

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Apr 29, 2021

Delisted California Environmental Reporting System (CERS) Tanks: DELISTED CTNK

This database contains a list of Aboveground Petroleum Storage and Underground Storage Tank sites that were removed from in the California Environmental Protection Agency (CalEPA) Regulated Site Portal.

Government Publication Date: Apr 29, 2021

Historical Hazardous Substance Storage Container Information - Facility Summary: HIST TANK

The State Water Resources Control Board maintained the Hazardous Substance Storage Containers listing and inventory in th 1980s. This facility summary lists historic tank sites where the following container types were present: farm motor vehicle fuel tanks; waste tanks; sumps; pits, ponds, lagoons, and others; and all other product tanks. This set, published in May 1988, lists facility and owner information, as well as the number of containers. This data is historic and will not be updated.

Government Publication Date: May 27, 1988

Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions: LUR

The Department of Toxic Substances Control (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 land use restrictions that are active. Some sites have multiple land use restrictions.

Government Publication Date: Jan 13, 2021

CALSITES Database: CALSITES

This historical database was maintained by the Department of Toxic Substance Control (DTSC) for more than a decade. CALSITES contains information on Brownfield properties with confirmed or potential hazardous contamination. In 2006, DTSC introduced EnviroStor as the latest Brownfields site database.

Government Publication Date: May 1, 2004

Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions: HLUR

The Department of Toxic Substances Control (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.

Government Publication Date: Feb 18, 2021

Deed Restrictions and Land Use Restrictions: DEED

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

Government Publication Date: Mar 9, 2021

Voluntary Cleanup Program: VCP

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

Government Publication Date: Jan 13, 2021

GeoTracker Cleanup Program Sites: CLEANUP SITES

A list of Cleanup Program sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.

Government Publication Date: Mar 9, 2021

Delisted County Records: DELISTED COUNTY

Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

Government Publication Date: Apr 29, 2021

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands: INDIAN LUST
LUSTs on Tribal/Indian Lands in Region 9, which includes California.
Government Publication Date: Apr 8, 2020

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST
USTs on Tribal/Indian Lands in Region 9, which includes California.
Government Publication Date: Apr 8, 2020

Delisted Tribal Leaking Storage Tanks: DELISTED ILST
Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.
Government Publication Date: Apr 14, 2020

Delisted Tribal Underground Storage Tanks: DELISTED IUST
Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.
Government Publication Date: Apr 14, 2020

County

San Mateo County - LOP List: LOP SANMATEO
A list of Leaking Underground Storage Tank (LUST) facilities in San Mateo County. This list is made available by San Mateo County Environmental Health Services Division.
Government Publication Date: Dec 14, 2020

San Mateo County - CUPA Facilities List: CUPA SANMATEO
A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in San Mateo County. This list is made available by San Mateo County Environmental Health Department which has been designated as the CUPA for the County.
Government Publication Date: Feb 20, 2020

Additional Environmental Record Sources

Federal

PFOA/PFOS Contaminated Sites: PFAS NPL
List of sites where PFOA or PFOS contaminants have been found in drinking water or soil. Made available by the Federal Environmental Protection Agency (EPA).
Government Publication Date: Mar 1, 2021

Facility Registry Service/Facility Index: FINDS/FRS
The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).
Government Publication Date: Nov 2, 2020

Toxics Release Inventory (TRI) Program: TRIS
The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U. S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Releases: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

Hazardous Materials Information Reporting System: HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Sep 1, 2020

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department") provides this data 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.

Government Publication Date: Oct 5, 2020

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.
Government Publication Date: Apr 27, 2021

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.
Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.
Government Publication Date: Mar 24, 2021

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) online search. The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.
Government Publication Date: Feb 17, 2021

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).
Government Publication Date: Feb 17, 2021

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.
Government Publication Date: Jan 28, 2020

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.
Government Publication Date: Dec 1, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.
Government Publication Date: Jul 7, 2020

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.
Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Nov 3, 2020

Surface Mining Control and Reclamation Act Sites: SMCRA

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of Abandoned Mine Land (AML) impacts, as well as information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Government Publication Date: Dec 18, 2020

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2006

Uranium Mill Tailings Radiation Control Act Sites: URANIUM

The Legacy Management Office of the Department of Energy (DOE) manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The L.M. Office manages this database of sites registered under the Uranium Mill Tailings Control Act (UMTRCA).

Government Publication Date: Mar 4, 2017

Alternative Fueling Stations: ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Apr 27, 2021

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Apr 13, 2021

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Nov 19, 2020

State

Dry Cleaning Facilities: DRYCLEANERS

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

Government Publication Date: Feb 22, 2021

Delisted Drycleaners: DELISTED DRYCLEANERS

Sites removed from the list of drycleaner related facilities that have EPA ID numbers, made available by the California Department of Toxic Substance Control.

Government Publication Date: Feb 22, 2021

Non-Toxic Dry Cleaning Incentive Program: DRYC GRANT

A list of grant recipients of the Non-Toxic Dry Cleaning Incentive Program made available by the California Air Resources Board (CARB). The program provides grants to eligible dry cleaning businesses to assist them in transitioning away from PERC machines to alternative non-toxic and non-smog forming technologies.

Government Publication Date: Feb 28, 2018

Per- and Polyfluoroalkyl Substances (PFAS): PFAS

List of sites from the State Water Resources Control Board (SWRCB)'s GeoTracker at which one or more of the potential contaminants of concern are in the PFAS Master List of PFAS Substances made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Mar 9, 2021

PFOA/PFOS Groundwater: PFAS GW

A list of water wells from the Groundwater Ambient Monitoring and Assessment Program (GAMA) Groundwater Information System with the groundwater chemical perfluorooctanoic acid (PFOA) (NL = 0.014 UG/L) or perfluorooctanoic sulfonate (PFOS) (NL = 0.013 UG/L). The GAMA Groundwater Information System search is made available by California Water Boards.

Government Publication Date: Oct 22, 2020

Hazardous Waste and Substances Site List - Site Cleanup: HWSS CLEANUP

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites. This list is published by California Department of Toxic Substance Control.

Government Publication Date: Nov 10, 2020

List of Hazardous Waste Facilities Subject to Corrective Action: DTSC HWF

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

Government Publication Date: Jul 18, 2016

EnviroStor Inspection, Compliance, and Enforcement: INSP COMP ENF

A list of permitted facilities with inspections and enforcements tracked in the Department of Toxic Substance Control (DTSC) EnviroStor.

Government Publication Date: Oct 7, 2020

School Property Evaluation Program Sites: SCH

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

Government Publication Date: Jan 13, 2021

California Hazardous Material Incident Report System (CHMIRS): CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 21, 2021

Historical California Hazardous Material Incident Report System (CHMIRS): HIST CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 1, 1993

Hazardous Waste Manifest Data: HAZNET

A list of hazardous waste manifests received each year by Department of Toxic Substances Control (DTSC). The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Oct 24, 2016

Historical Hazardous Waste Manifest Data: HIST MANIFEST

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Dec 31, 1992

DTSC Registered Hazardous Waste Transporters: HW TRANSPORT

The California Department of Toxic Substances Control (DTSC) maintains this list of Registered Hazardous Waste Transporters.

Government Publication Date: Oct 19, 2020

Registered Waste Tire Haulers: WASTE TIRE

This list of registered waste tire haulers is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Dec 16, 2020

California Medical Waste Management Program Facility List: MEDICAL WASTE

This list of Medical Waste Management Program Facilities is maintained by the California Department of Public Health. The Medical Waste Management Program (MWMP) regulates the generation, handling, storage, treatment, and disposal of medical waste by providing oversight for the implementation of the Medical Waste Management Act (MWMA). The MWMP permits and inspects all medical waste off-site treatment facilities, medical waste transporters, and medical waste transfer stations. This list contains transporters, treatment, and transfer facilities.

Government Publication Date: Dec 31, 2020

Historical Cortese List: HIST CORTESE

List of sites which were once included on the Cortese list. The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements for providing information about the location of hazardous sites.

Government Publication Date: Nov 13, 2008

Cease and Desist Orders and Cleanup and Abatement Orders: CDO/CAO

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

Government Publication Date: Feb 16, 2012

California Environmental Reporting System (CERS) Hazardous Waste Sites: CERS HAZ

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Feb 9, 2021

Delisted Environmental Reporting System (CERS) Hazardous Waste Sites: DELISTED HAZ

This database contains a list of sites that were removed from the California Environmental Protection Agency (CalEPA) in the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator.

Government Publication Date: Nov 29, 2018

Sites in GeoTracker: GEOTRACKER

GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. This is a list of sites in GeoTracker that aren't otherwise categorized as LUST, Land Disposal Sites (LDS), Cleanup Sites, or sites having Waste Discharge Requirements (WDR). This listing includes program types such as Underground Injection Control (UIC), Confined Animal Facilities (CAF), Irrigated Lands Regulatory Program, plans, and non-case information.

Government Publication Date: Mar 9, 2021

Mines Listing: MINE

This list includes mine site locations extracted from the Mines Online database, maintained by the California Department of Conservation. Mines Online (MOL) is an interactive web map designed with GIS features that provide information such as the mine name, mine status, commodity sold, location, and other mine specific data. Please note: Mine location information is provided to assist experts in determining the location of mine operators in accordance with California Civil Code section 1103.4 and reflects information reported by mine operators in annual reports provided under Public Resources Code section 2207. While the Division of Mine Reclamation (DMR) attempts to populate MOL with accurate location information, the DMR cannot guarantee the accuracy of operator reported location information.

Government Publication Date: Jan 12, 2021

Recorded Environmental Cleanup Liens: LIEN

The California Department of Toxic Substance Control (DTSC) maintains this list of liens placed upon real properties. A lien is utilized by the DTSC to obtain reimbursement from responsible parties for costs associated with the remediation of contaminated properties.

Government Publication Date: Nov 16, 2020

Waste Discharge Requirements: WASTE DISCHG

List of sites in California State Water Resources Control Board (SWRCB) Waste Discharge Requirements (WDRs) Program in California, made available by the SWRCB via GeoTracker. The WDR program regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Government Publication Date: Mar 9, 2021

Toxic Pollutant Emissions Facilities: EMISSIONS

A list of criteria and toxic pollutant emissions data for facilities in California made available by the California Environmental Protection Agency - Air Resources Board (ARB). Risk data may be based on previous inventory submittals. The toxics data are submitted to the ARB by the local air districts as requirement of the Air Toxics "Hot Spots" Program. This program requires emission inventory updates every four years.

Government Publication Date: Dec 31, 2018

Clandestine Drug Lab Sites: CDL

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/clandestine drug laboratories.

Government Publication Date: Jan 19, 2021

Tribal

No Tribal additional environmental record sources available for this State.

County

San Mateo County Medical Waste Facility List: MED WST SANMATEO

The San Mateo County Environmental Health Services Division maintains this list of medical waste facilities. The Medical Waste Program regulates the generation, disposal, and transportation of medical waste. Medical waste consists of sharps (needles, razor blades, pipette bits), bloody materials, bandages, and any other waste contaminated with body fluids. This listing only contains medical waste facilities operating in San Mateo County.

Government Publication Date: Sep 21, 2020

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:		21060900937p
Date Completed:		June 9, 2021
Project Number:		575-1840
Project Property:		Office Building 1766 El Camino Real Burlingame CA 94010
Coordinates:		
	Latitude:	37.5946242
	Longitude:	-122.38207711
	UTM Northing:	4161018.74278 Meters
	UTM Easting:	554549.52595 Meters
	UTM Zone:	UTM Zone 10S
	Elevation:	21.31 ft
	Slope Direction:	ESE

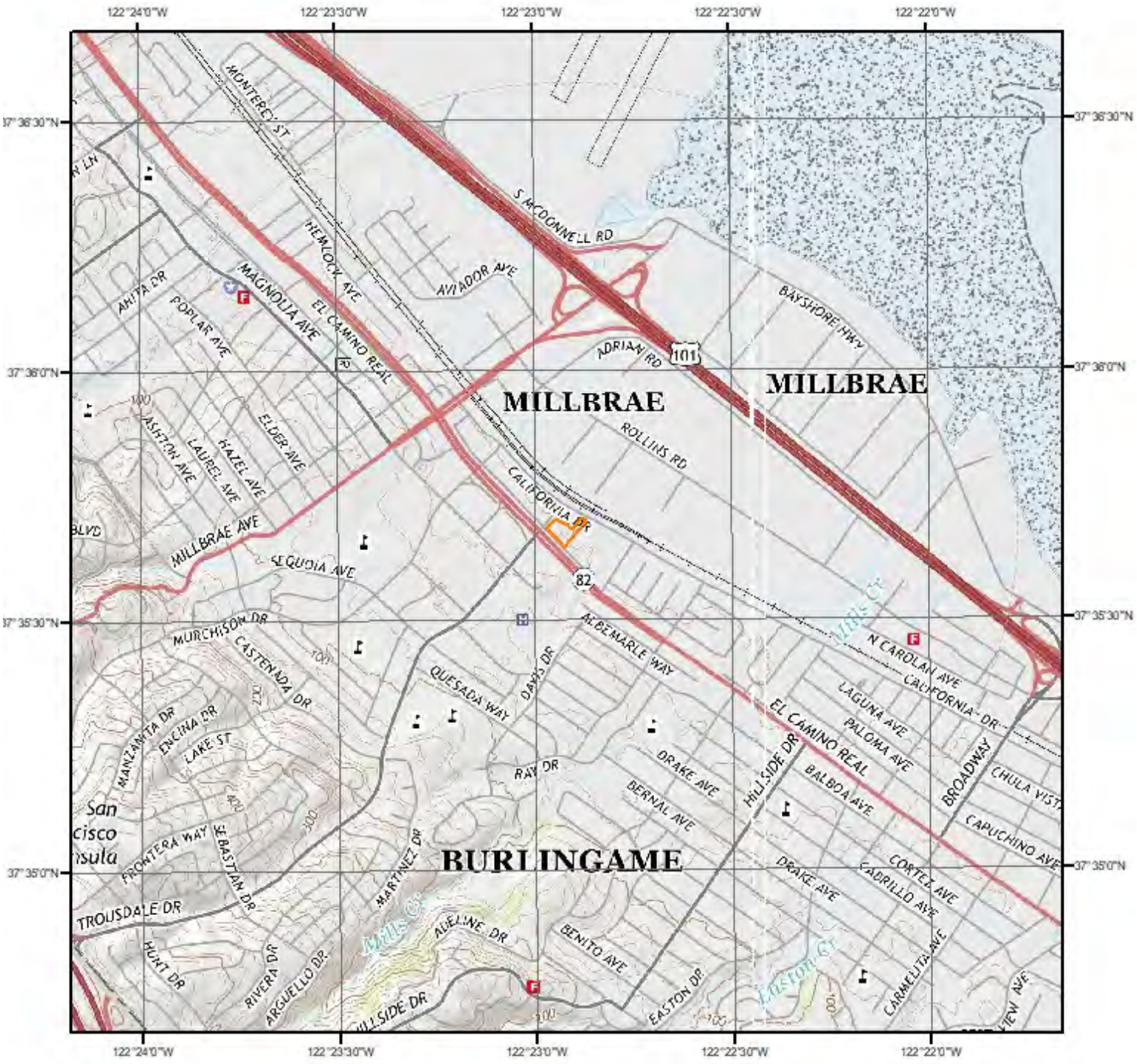
The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo (2015)

Quadrangle(s): Montara Mountain,CA; San Mateo,CA

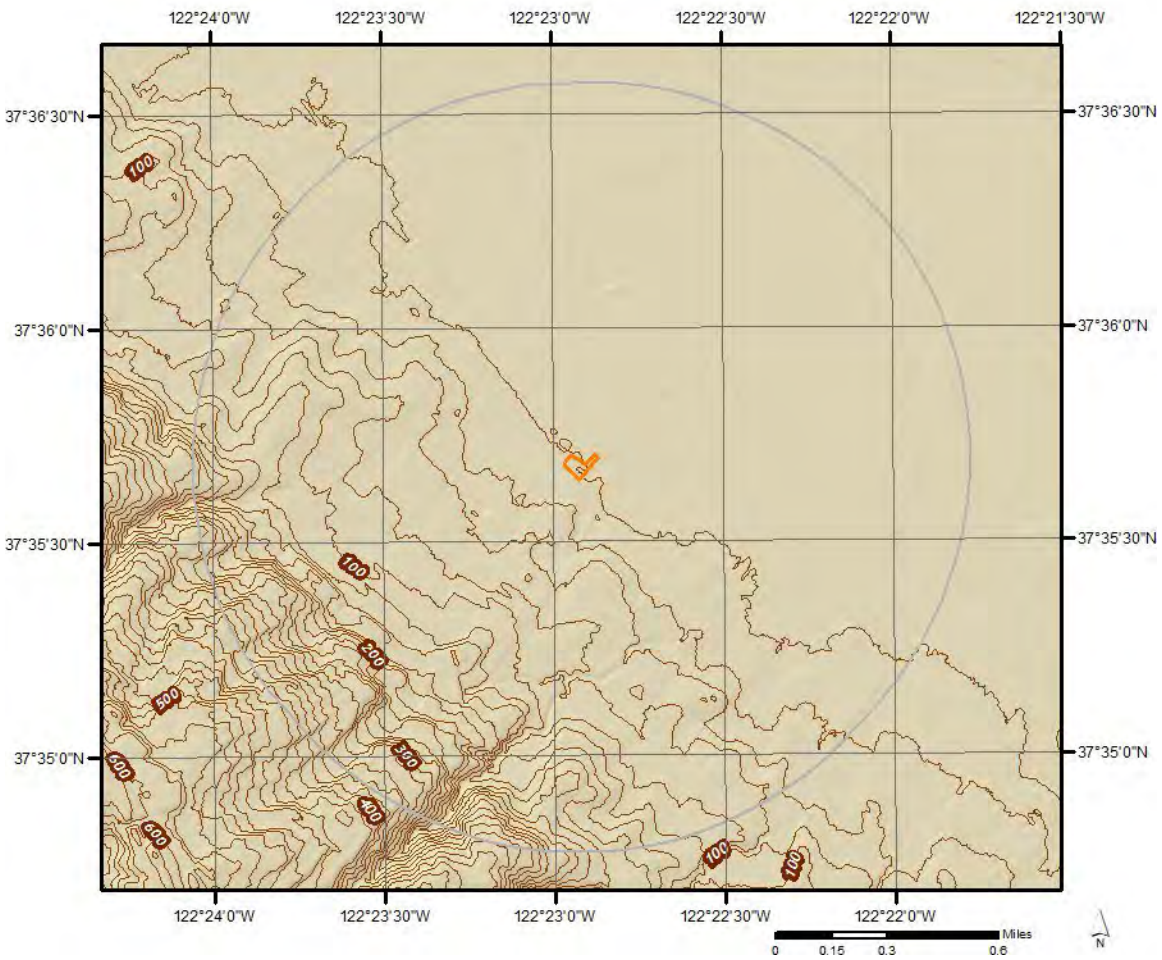
Source: USGS 7.5 Minute Topographic Map

Topographic Information

The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

Elevation:	21.31 ft
Slope Direction:	ESE



Hydrologic Information

Wetland

0 0.075 0.15 0.3 Miles

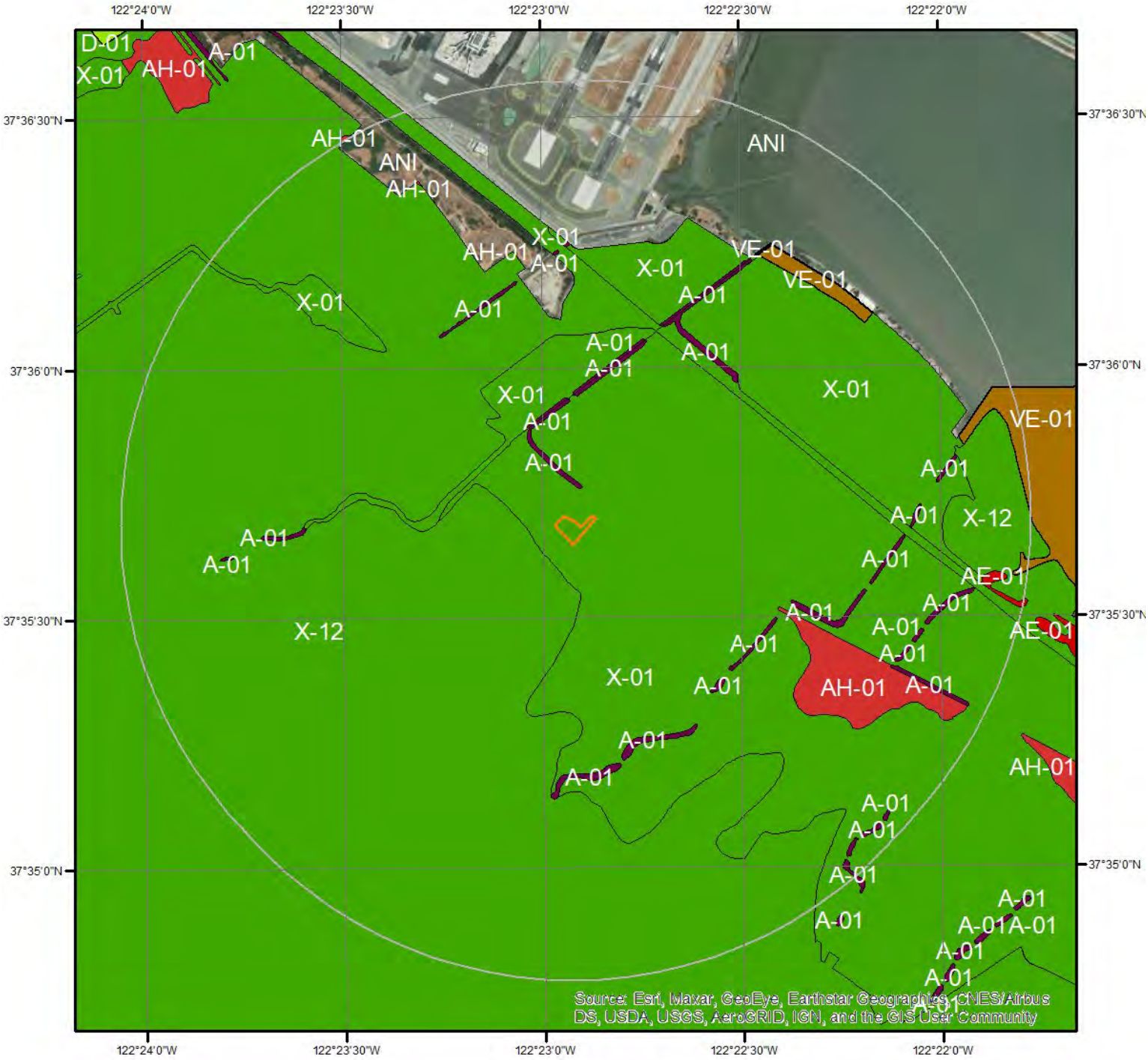
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

ERIS

Hydrologic Information



Flood Hazard Zones

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

N

06081C0132E
06081C0134E

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

ERIS

Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.

Available FIRM Panels in area:	06081C0151E(effective:2012-10-16) 06081C0132E(effective:2012-10-16) 06081C0153E(effective:2012-10-16) 06081C0134E(effective:2012-10-16)

Flood Zone A-01

Zone:	A
Zone subtype:	

Flood Zone AE-01

Zone:	AE
Zone subtype:	

Flood Zone AH-01

Zone:	AH
Zone subtype:	

Flood Zone ANI

Zone:	AREA NOT INCLUDED
Zone subtype:	

Flood Zone VE-01

Zone:	VE
Zone subtype:	

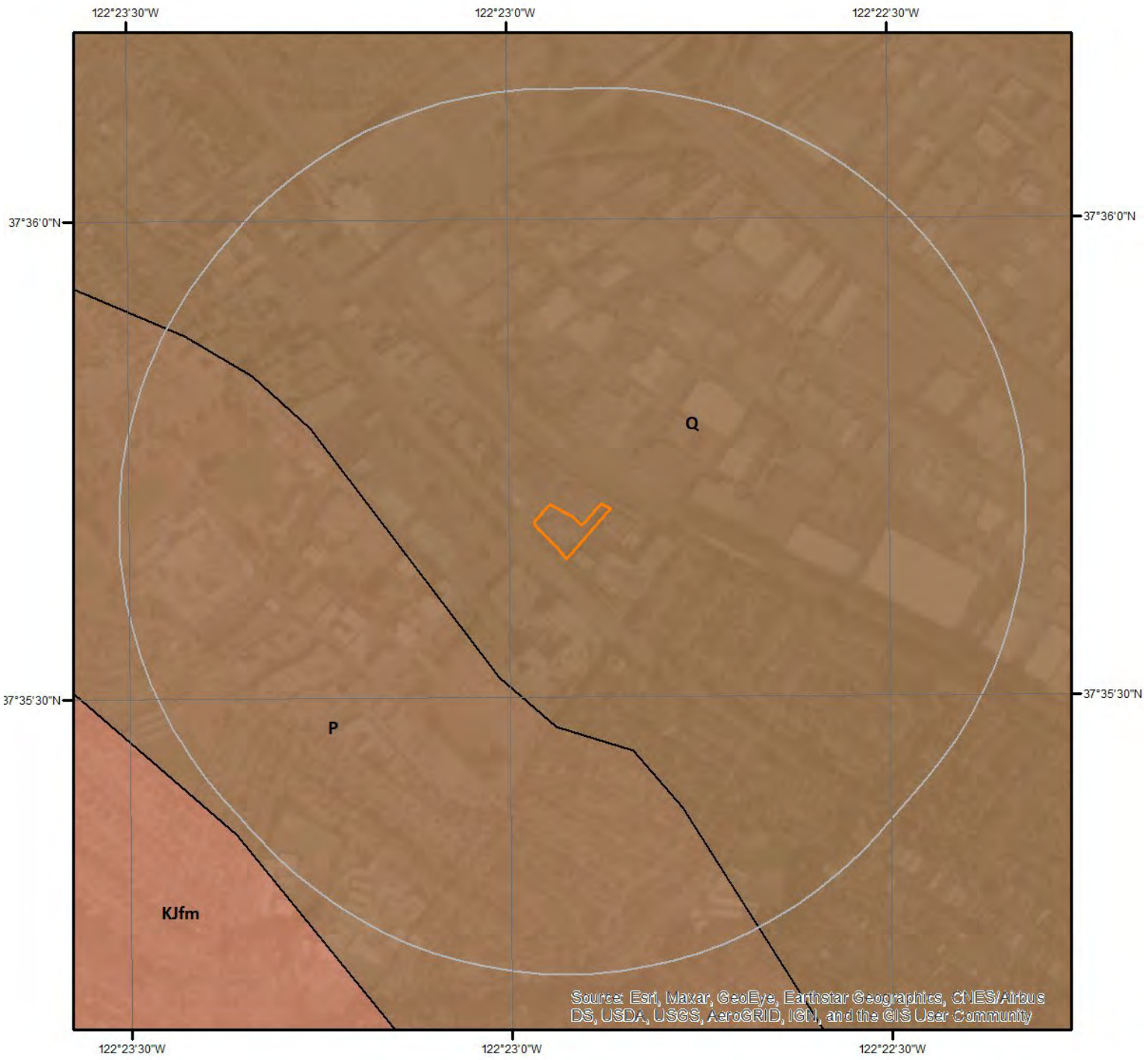
Flood Zone X-01

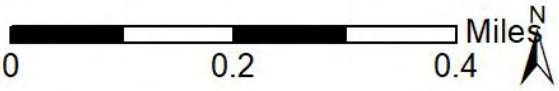
Zone:	X
Zone subtype:	0.2 PCT ANNUAL CHANCE FLOOD HAZARD

Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

Geologic Information





Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

ERIS

Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

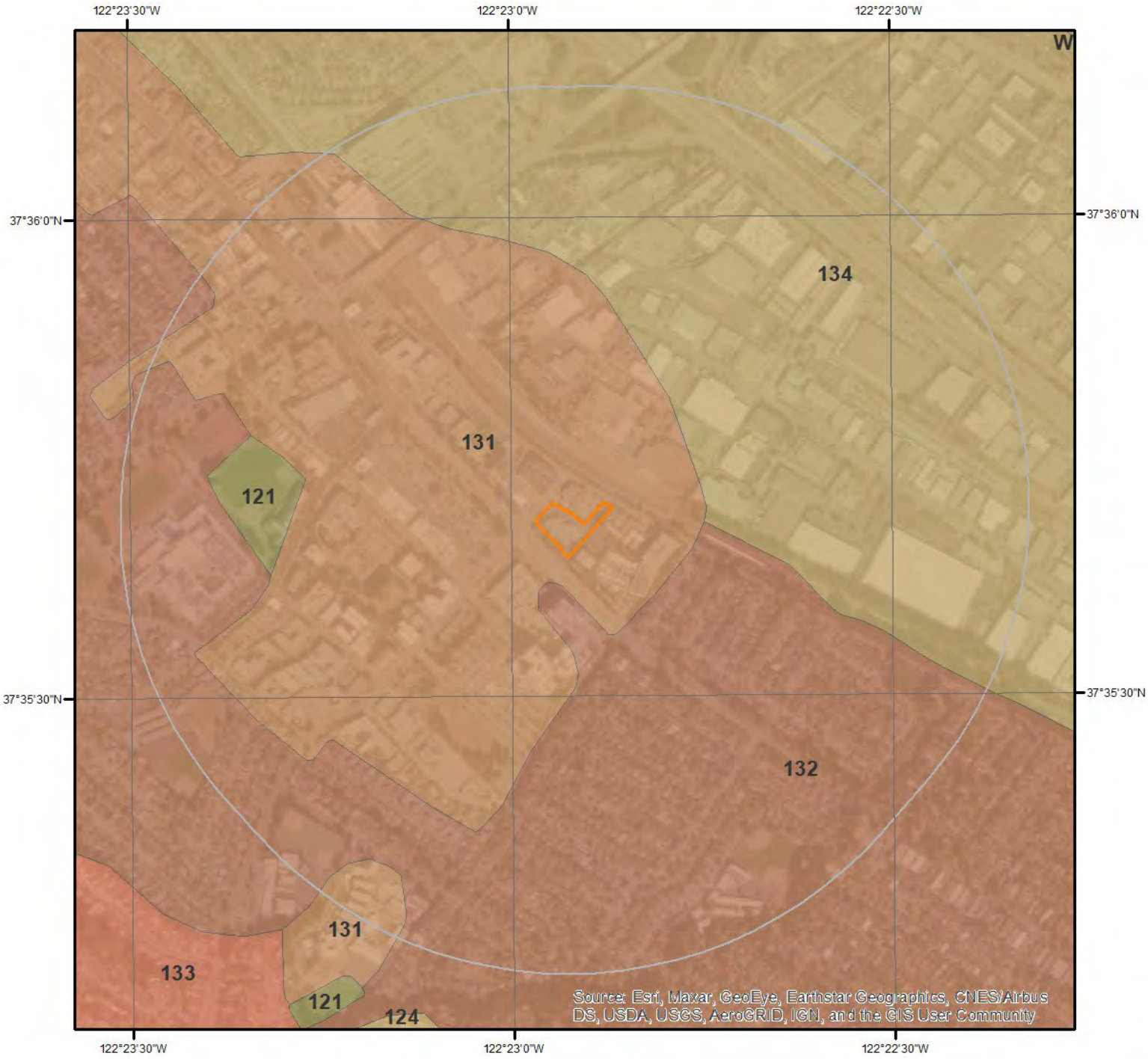
Geologic Unit Q

Unit Name:	Quaternary alluvium and marine deposits
Unit Age:	Pliocene to Holocene
Primary Rock Type:	alluvium
Secondary Rock Type:	terrace
Unit Description:	Alluvium, lake, playa, and terrace deposits; unconsolidated and semi-consolidated. Mostly nonmarine, but includes marine deposits near the coast.

Geologic Unit P

Unit Name:	Pliocene marine rocks
Unit Age:	Miocene to Pleistocene
Primary Rock Type:	sandstone
Secondary Rock Type:	mudstone
Unit Description:	Sandstone, siltstone, shale, and conglomerate; in part Pleistocene and Miocene.

Soil Information



SSURGO Soils

N

0 0.2 0.4 Miles

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS

Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit 121 (0.04%)

Map Unit Name:	Orthents, cut and fill, 0 to 15 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	null
Major components are printed below	
Orthents(85%)	
horizon H1(0cm to 152cm)	Variable

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 121 - Orthents, cut and fill, 0 to 15 percent slopes

Component: Orthents (85%)
The Orthents component makes up 85 percent of the map unit. Slopes are 0 to 15 percent. This component is on alluvial fans, terraces, hills. The parent material consists of sandstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 0 percent. Nonirrigated land capability classification is 8e. This soil does not meet hydric criteria.

Component: Unnamed (2%)
Generated brief soil descriptions are created for major components. The Unnamed soil is a minor component.

Component: Urban land (2%)
Generated brief soil descriptions are created for major components. The Urban land soil is a minor component.

Component: Unnamed (2%)
Generated brief soil descriptions are created for major components. The Unnamed soil is a minor component.

Map Unit 131 (8.12%)

Map Unit Name:	Urban land

No more attributes available for this map unit

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 131 - Urban land

Component: Urban land (85%)
Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: Orthents (7%)
Generated brief soil descriptions are created for major components. The Orthents soil is a minor component.

Component: Orthents (7%)
Generated brief soil descriptions are created for major components. The Orthents soil is a minor component.

Soil Information

Map Unit 132 (11.53%)

Map Unit Name:	Urban land-Orthents, cut and fill complex, 0 to 5 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	null
Hydrologic Group - Dominant:	null

Major components are printed below

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 132 - Urban land-Orthents, cut and fill complex, 0 to 5 percent slopes

Component: Urban land (50%)
Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: Orthents (45%)
The Orthents component makes up 45 percent of the map unit. Slopes are 0 to 5 percent. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 0 percent. Nonirrigated land capability classification is 8e. This soil does not meet hydric criteria.

Component: Botella (1%)
Generated brief soil descriptions are created for major components. The Botella soil is a minor component.

Component: Orthents (1%)
Generated brief soil descriptions are created for major components. The Orthents soil is a minor component.

Component: Sirdrak (1%)
Generated brief soil descriptions are created for major components. The Sirdrak soil is a minor component.

Component: Unnamed (1%)
Generated brief soil descriptions are created for major components. The Unnamed soil is a minor component.

Map Unit 134 (80.31%)

Map Unit Name:	Urban land-Orthents, reclaimed complex, 0 to 2 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	null
Hydrologic Group - Dominant:	null

Major components are printed below

Orthents(30%)

horizon H1(0cm to 102cm)	Variable
horizon H2(102cm to 152cm)	Silty clay

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 134 - Urban land-Orthents, reclaimed complex, 0 to 2 percent slopes

Component: Urban land (65%)
Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Soil Information

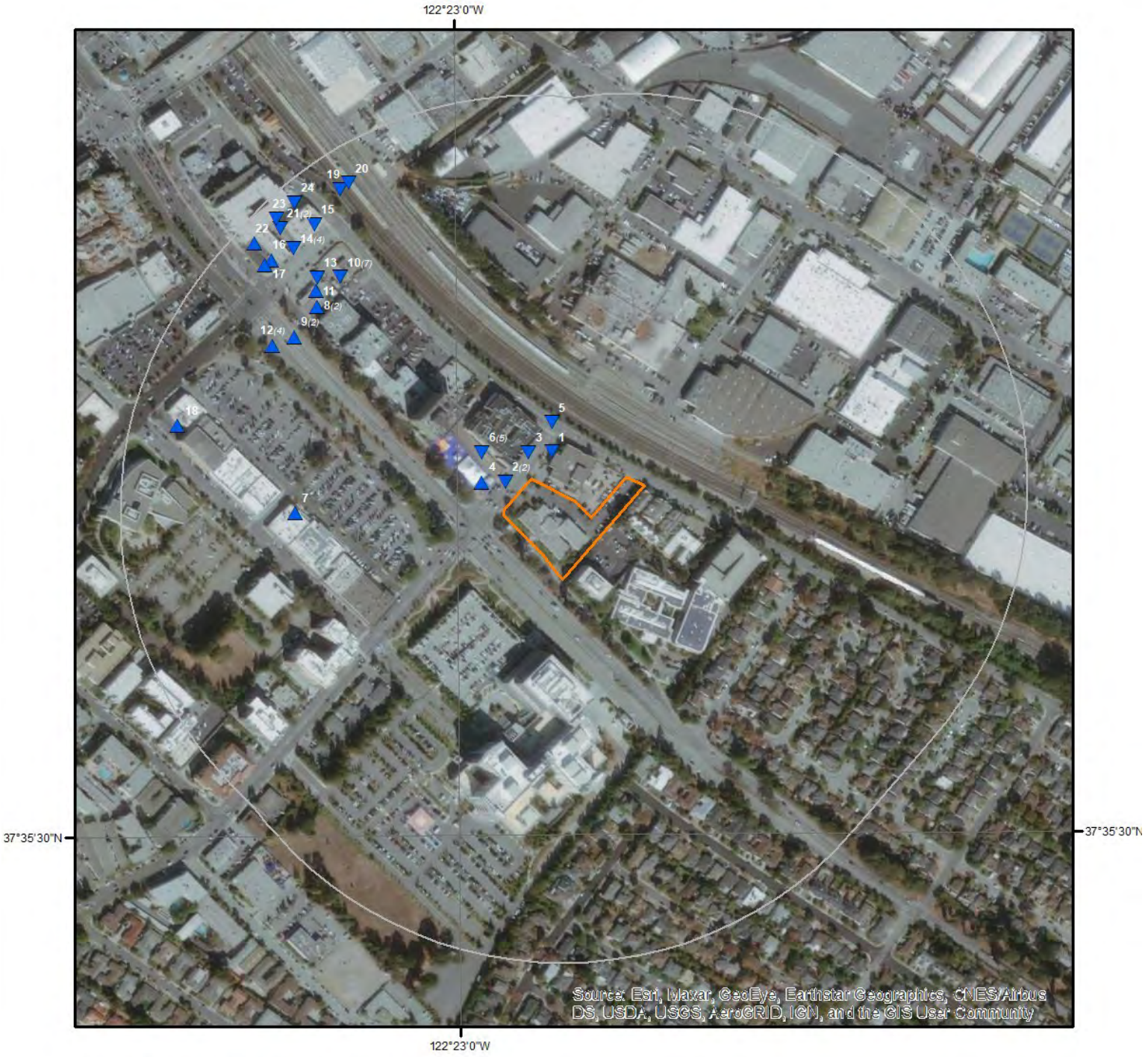
Component: Orthents (30%)
The Orthents component makes up 30 percent of the map unit. Slopes are 0 to 2 percent. The parent material consists of reclaimed mine spoil or earthy fill derived from mixed. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 0 inches during January. Organic matter content in the surface horizon is about 0 percent. Nonirrigated land capability classification is 8e. This soil does not meet hydric criteria.

Component: Novato (2%)
Generated brief soil descriptions are created for major components. The Novato soil is a minor component.

Component: Reyes (1%)
Generated brief soil descriptions are created for major components. The Reyes soil is a minor component.

Component: Orthents (1%)
Generated brief soil descriptions are created for major components. The Orthents soil is a minor component.

Wells and Additional Sources



Wells & Additional Sources

N

0 0.0425 0.085 0.17 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	ID	Distance (ft)	Direction
	No records found		

Safe Drinking Water Information System (SDWIS)

Map Key	ID	Distance (ft)	Direction
	No records found		

USGS National Water Information System

Map Key	ID	Distance (ft)	Direction
	No records found		

State Sources

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Periodic Groundwater Level Measurement Locations

Map Key	ID	Distance (ft)	Direction
	No records found		

Well Completion Reports

Map Key	WCR No	Distance (ft)	Direction
1	WCR2012-002678	112.368830571073	N
2	WCR2010-006024	59.157434108031	WNW
2	WCR2012-002673	59.157434108031	WNW
3	WCR2012-002676	89.381026832976	NNW
4	WCR2012-002675	120.003904311856	WNW
5	WCR2012-002677	203.369411699974	N
6	WCR2012-005754	186.168265301749	NW
6	WCR2012-002672	186.168265301749	NW
6	WCR2012-005752	186.168265301749	NW
6	WCR2012-002671	186.168265301749	NW
6	WCR2012-002674	186.168265301749	NW
7	WCR2016-011114	717.867272106709	W
8	WCR2016-011108	942.913995409614	NW
8	WCR2016-011109	942.913995409614	NW
9	WCR2016-011111	937.78226749953	NW
9	WCR2016-011112	937.78226749953	NW
10	WCR2014-003869	953.30474555393	NW

Wells and Additional Sources Summary

10	WCR2014-003871	953.30474555393	NW
10	WCR2014-003870	953.30474555393	NW
10	WCR2014-003873	953.30474555393	NW
10	WCR2014-003872	953.30474555393	NW
10	WCR2016-011102	953.30474555393	NW
10	WCR2016-011098	953.30474555393	NW
11	WCR0169751	982.053446656177	NW
12	WCR2009-002001	977.40108218113	WNW
12	WCR2009-002002	977.40108218113	WNW
12	WCR2009-002052	977.40108218113	WNW
12	WCR2009-002000	977.40108218113	WNW
13	WCR2016-011106	1009.970515780081	NW
14	WCR2012-003158	1138.189606780224	NW
14	WCR2012-003159	1138.189606780224	NW
14	WCR2012-003160	1138.189606780224	NW
14	WCR2012-003161	1138.189606780224	NW
15	WCR2017-002368	1149.117051078081	NW
16	WCR2017-002364	1168.760550215141	NW
17	WCR2017-002365	1172.971955917224	NW
18	WCR2011-001908	1160.710328263074	WNW
19	WCR2011-002575	1192.878140064126	NW
20	WCR2017-002176	1194.260272974226	NNW
21	WCR2017-002175	1220.842246356665	NW
21	WCR2017-002170	1220.842246356665	NW
22	WCR2017-002366	1249.609895716786	NW
23	WCR2017-002178	1250.437563485812	NW
24	WCR2017-002181	1250.887016825705	NW

Wells and Additional Sources Detail Report

Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	N	0.02	112.37	15.99	WATER WELLS

WCR No:	WCR2012-002678	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.5952778
Decimal Lat(OSWCR):	37.5952778	Decimal Longitude:	-122.3822222
Decim Long(OSWCR):	-122.3822222		
Location(OSWCR):	1100 TROUSDALE DR & CALIFORNIA DR		
City(OSWCR):	BURLINGAME		
Location:	1100 TROUSDALE DR & CALIFORNIA DR		
City:	BURLINGAME		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	WNW	0.01	59.16	21.23	WATER WELLS

WCR No:	WCR2010-006024	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.595
Decimal Lat(OSWCR):	37.595	Decimal Longitude:	-122.3827778
Decim Long(OSWCR):	-122.3827778		
Location(OSWCR):	1810 EL CAMINO REAL		
City(OSWCR):	BURLINGAME		
Location:	1810 EL CAMINO REAL		
City:	BURLINGAME		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	WNW	0.01	59.16	21.23	WATER WELLS

WCR No:	WCR2012-002673	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.595
Decimal Lat(OSWCR):	37.595	Decimal Longitude:	-122.3827778
Decim Long(OSWCR):	-122.3827778		
Location(OSWCR):	1810 EL CAMINO REAL		
City(OSWCR):	BURLINGAME		
Location:	1810 EL CAMINO REAL		
City:	BURLINGAME		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NNW	0.02	89.38	16.88	WATER WELLS

WCR No:	WCR2012-002676	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.5952778
Decimal Lat(OSWCR):	37.5952778	Decimal Longitude:	-122.3825
Decim Long(OSWCR):	-122.3825		
Location(OSWCR):	1810 EL CAMINO REAL		
City(OSWCR):	BURLINGAME		
Location:	1810 EL CAMINO REAL		
City:	BURLINGAME		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	WNW	0.02	120.00	23.56	WATER WELLS

WCR No:	WCR2012-002675	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.595
Decimal Lat(OSWCR):	37.595	Decimal Longitude:	-122.3830556
Decim Long(OSWCR):	-122.3830556		
Location(OSWCR):	1810 EL CAMINO REAL		
City(OSWCR):	BURLINGAME		
Location:	1810 EL CAMINO REAL		
City:	BURLINGAME		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	N	0.04	203.37	14.87	WATER WELLS

WCR No:	WCR2012-002677	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.5955556
Decimal Lat(OSWCR):	37.5955556	Decimal Longitude:	-122.3822222
Decim Long(OSWCR):	-122.3822222		
Location(OSWCR):	1100 TROUSDALE DR & CALIFORNIA DR		
City(OSWCR):	BURLINGAME		
Location:	1100 TROUSDALE DR & CALIFORNIA DR		
City:	BURLINGAME		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	NW	0.04	186.17	19.11	WATER WELLS

WCR No:	WCR2012-005754	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.5952778

Decimal Lat(OSWCR):	37.5952778	Decimal Longitude:	-122.3830556
Decim Long(OSWCR):	-122.3830556		
Location(OSWCR):	1810 EL CAMINO REAL		
City(OSWCR):	BURLINGAME		
Location:	1810 EL CAMINO REAL		
City:	BURLINGAME		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	NW	0.04	186.17	19.11	WATER WELLS

WCR No:	WCR2012-002672	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.5952778
Decimal Lat(OSWCR):	37.5952778	Decimal Longitude:	-122.3830556
Decim Long(OSWCR):	-122.3830556		
Location(OSWCR):	1810 EL CAMINO REAL		
City(OSWCR):	BURLINGAME		
Location:	1810 EL CAMINO REAL		
City:	BURLINGAME		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	NW	0.04	186.17	19.11	WATER WELLS

WCR No:	WCR2012-005752	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.5952778
Decimal Lat(OSWCR):	37.5952778	Decimal Longitude:	-122.3830556
Decim Long(OSWCR):	-122.3830556		
Location(OSWCR):	1810 EL CAMINO REAL		
City(OSWCR):	BURLINGAME		
Location:	1810 EL CAMINO REAL		
City:	BURLINGAME		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	NW	0.04	186.17	19.11	WATER WELLS

WCR No:	WCR2012-002671	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.5952778
Decimal Lat(OSWCR):	37.5952778	Decimal Longitude:	-122.3830556
Decim Long(OSWCR):	-122.3830556		
Location(OSWCR):	1100 TROUSDALE DR		
City(OSWCR):	BURLINGAME		
Location:	1100 TROUSDALE DR		

City: BURLINGAME
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	NW	0.04	186.17	19.11	WATER WELLS

WCR No: WCR2012-002674
County: San Mateo
County(OSWCR): San Mateo
Decimal Latitude: 37.5952778
Decimal Lat(OSWCR): 37.5952778
Decimal Longitude: -122.3830556
Decim Long(OSWCR): -122.3830556
Location(OSWCR): 1810 EL CAMINO REAL
City(OSWCR): BURLINGAME
Location: 1810 EL CAMINO REAL
City: BURLINGAME
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	W	0.14	717.87	38.50	WATER WELLS

WCR No: WCR2016-011114
County: San Mateo
County(OSWCR): San Mateo
Decimal Latitude: 37.594722
Decimal Lat(OSWCR): 37.594722
Decimal Longitude: -122.385278
Decim Long(OSWCR): -122.385278
Location(OSWCR): 1876 EL CAMINO REAL
City(OSWCR): BURLINGAME
Location: 1876 EL CAMINO REAL
City: BURLINGAME
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	NW	0.18	942.91	24.51	WATER WELLS

WCR No: WCR2016-011108
County: San Mateo
County(OSWCR): San Mateo
Decimal Latitude: 37.596667
Decimal Lat(OSWCR): 37.596667
Decimal Longitude: -122.385
Decim Long(OSWCR): -122.385
Location(OSWCR): 1875 EL CAMINO REAL
City(OSWCR): BURLINGAME
Location: 1875 EL CAMINO REAL
City: BURLINGAME
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	NW	0.18	942.91	24.51	WATER WELLS

WCR No:	WCR2016-011109	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.596667
Decimal Lat(OSWCR):	37.596667	Decimal Longitude:	-122.385
Decim Long(OSWCR):	-122.385		
Location(OSWCR):	1875 EL CAMINO REAL		
City(OSWCR):	BURLINGAME		
Location:	1875 EL CAMINO REAL		
City:	BURLINGAME		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	NW	0.18	937.78	25.98	WATER WELLS

WCR No:	WCR2016-011111	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.596389
Decimal Lat(OSWCR):	37.596389	Decimal Longitude:	-122.385278
Decim Long(OSWCR):	-122.385278		
Location(OSWCR):	1875 EL CAMINO REAL		
City(OSWCR):	BURLINGAME		
Location:	1875 EL CAMINO REAL		
City:	BURLINGAME		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	NW	0.18	937.78	25.98	WATER WELLS

WCR No:	WCR2016-011112	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.596389
Decimal Lat(OSWCR):	37.596389	Decimal Longitude:	-122.385278
Decim Long(OSWCR):	-122.385278		
Location(OSWCR):	1875 EL CAMINO REAL		
City(OSWCR):	BURLINGAME		
Location:	1875 EL CAMINO REAL		
City:	BURLINGAME		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	NW	0.18	953.30	18.74	WATER WELLS

WCR No:	WCR2014-003869	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.5969444

Decimal Lat(OSWCR):	37.5969444	Decimal Longitude:	-122.3847222
Decim Long(OSWCR):	-122.3847222		
Location(OSWCR):	1876 EL CAMINO REAL		
City(OSWCR):	BURLINGAME		
Location:	1876 EL CAMINO REAL		
City:	BURLINGAME		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	NW	0.18	953.30	18.74	WATER WELLS

WCR No:	WCR2014-003871	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.5969444
Decimal Lat(OSWCR):	37.5969444	Decimal Longitude:	-122.3847222
Decim Long(OSWCR):	-122.3847222		
Location(OSWCR):	1876 BOLLINGER CANYON RD.		
City(OSWCR):	BURLINGAME		
Location:	1876 BOLLINGER CANYON RD.		
City:	BURLINGAME		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	NW	0.18	953.30	18.74	WATER WELLS

WCR No:	WCR2014-003870	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.5969444
Decimal Lat(OSWCR):	37.5969444	Decimal Longitude:	-122.3847222
Decim Long(OSWCR):	-122.3847222		
Location(OSWCR):	1876 EL CAMINO REAL		
City(OSWCR):	BURLINGAME		
Location:	1876 EL CAMINO REAL		
City:	BURLINGAME		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	NW	0.18	953.30	18.74	WATER WELLS

WCR No:	WCR2014-003873	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.5969444
Decimal Lat(OSWCR):	37.5969444	Decimal Longitude:	-122.3847222
Decim Long(OSWCR):	-122.3847222		
Location(OSWCR):	1876 EL CAMINO REAL		
City(OSWCR):	BURLINGAME		
Location:	1876 EL CAMINO REAL		

City: BURLINGAME
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	NW	0.18	953.30	18.74	WATER WELLS

WCR No: WCR2014-003872
County: San Mateo
County(OSWCR): San Mateo
Decimal Latitude: 37.5969444
Decimal Lat(OSWCR): 37.5969444
Decimal Longitude: -122.3847222
Decim Long(OSWCR): -122.3847222
Location(OSWCR): 1876 EL CAMINO REAL
City(OSWCR): BURLINGAME
Location: 1876 EL CAMINO REAL
City: BURLINGAME
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	NW	0.18	953.30	18.74	WATER WELLS

WCR No: WCR2016-011102
County: San Mateo
County(OSWCR): San Mateo
Decimal Latitude: 37.596944
Decimal Lat(OSWCR): 37.596944
Decimal Longitude: -122.384722
Decim Long(OSWCR): -122.384722
Location(OSWCR): 1875 EL CAMINO REAL
City(OSWCR): BURLINGAME
Location: 1875 EL CAMINO REAL
City: BURLINGAME
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	NW	0.18	953.30	18.74	WATER WELLS

WCR No: WCR2016-011098
County: San Mateo
County(OSWCR): San Mateo
Decimal Latitude: 37.596944
Decimal Lat(OSWCR): 37.596944
Decimal Longitude: -122.384722
Decim Long(OSWCR): -122.384722
Location(OSWCR): 1875 EL CAMINO REAL
City(OSWCR): BURLINGAME
Location: 1875 EL CAMINO REAL
City: BURLINGAME
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	NW	0.19	982.05	24.46	WATER WELLS

WCR No:	WCR0169751	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.59682114
Decimal Lat(OSWCR):	37.59682114	Decimal Longitude:	-122.38501081
Decim Long(OSWCR):	-122.38501081		
Location(OSWCR):	1876 EL CAMINO REAL		
City(OSWCR):	BURLINGAME		
Location:	1876 EL CAMINO REAL		
City:	BURLINGAME		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	WNW	0.19	977.40	27.52	WATER WELLS

WCR No:	WCR2009-002001	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	
Decimal Lat(OSWCR):		Decimal Longitude:	
Decim Long(OSWCR):			
Location(OSWCR):	1883 EL CAMINO REAL		
City(OSWCR):	BURLINGAME		
Location:	1883 EL CAMINO REAL		
City:	BURLINGAME		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	WNW	0.19	977.40	27.52	WATER WELLS

WCR No:	WCR2009-002002	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	
Decimal Lat(OSWCR):		Decimal Longitude:	
Decim Long(OSWCR):			
Location(OSWCR):	1883 EL CAMINO REAL		
City(OSWCR):	BURLINGAME		
Location:	1883 EL CAMINO REAL		
City:	BURLINGAME		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	WNW	0.19	977.40	27.52	WATER WELLS

WCR No:	WCR2009-002052	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	

Decimal Lat(OSWCR):
Decimal Longitude:
Decim Long(OSWCR):
Location(OSWCR): 1883 EL CAMINO REAL
City(OSWCR): BULRINGAME
Location: 1883 EL CAMINO REAL
City: BULRINGAME
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	WNW	0.19	977.40	27.52	WATER WELLS

WCR No: WCR2009-002000
County: Santa Clara
County(OSWCR): Santa Clara
Decimal Latitude:
Decimal Lat(OSWCR):
Decimal Longitude:
Decim Long(OSWCR):
Location(OSWCR): 1883 EL CAMINO REAL
City(OSWCR): BURLINGAME
Location: 1883 EL CAMINO REAL
City: BURLINGAME
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	NW	0.19	1,009.97	21.16	WATER WELLS

WCR No: WCR2016-011106
County: San Mateo
County(OSWCR): San Mateo
Decimal Latitude: 37.596944
Decimal Lat(OSWCR): 37.596944
Decimal Longitude: -122.385
Decim Long(OSWCR): -122.385
Location(OSWCR): 1875 EL CAMINO REAL
City(OSWCR): BURLINGAME
Location: 1875 EL CAMINO REAL
City: BURLINGAME
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	NW	0.22	1,138.19	21.08	WATER WELLS

WCR No: WCR2012-003158
County: San Mateo
County(OSWCR): San Mateo
Decimal Latitude: 37.5972222
Decimal Lat(OSWCR): 37.5972222
Decimal Longitude: -122.3852778
Decim Long(OSWCR): -122.3852778
Location(OSWCR): 199 CALIFORNIA DR
City(OSWCR): MILLBRAE
Location: 199 CALIFORNIA DR

City: MILLBRAE
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	NW	0.22	1,138.19	21.08	WATER WELLS

WCR No: WCR2012-003159
County: San Mateo
County(OSWCR): San Mateo
Decimal Latitude: 37.5972222
Decimal Lat(OSWCR): 37.5972222
Decimal Longitude: -122.3852778
Decim Long(OSWCR): -122.3852778
Location(OSWCR): 199 CALIFORNIA DR
City(OSWCR): MILLBRAE
Location: 199 CALIFORNIA DR
City: MILLBRAE
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	NW	0.22	1,138.19	21.08	WATER WELLS

WCR No: WCR2012-003160
County: San Mateo
County(OSWCR): San Mateo
Decimal Latitude: 37.5972222
Decimal Lat(OSWCR): 37.5972222
Decimal Longitude: -122.3852778
Decim Long(OSWCR): -122.3852778
Location(OSWCR): 199 CALIFORNIA DR
City(OSWCR): MILLBRAE
Location: 199 CALIFORNIA DR
City: MILLBRAE
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	NW	0.22	1,138.19	21.08	WATER WELLS

WCR No: WCR2012-003161
County: San Mateo
County(OSWCR): San Mateo
Decimal Latitude: 37.5972222
Decimal Lat(OSWCR): 37.5972222
Decimal Longitude: -122.3852778
Decim Long(OSWCR): -122.3852778
Location(OSWCR): 199 CALIFORNIA DR
City(OSWCR): MILLBRAE
Location: 199 CALIFORNIA DR
City: MILLBRAE
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	NW	0.22	1,149.12	18.38	WATER WELLS

WCR No:	WCR2017-002368	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.5974465
Decimal Lat(OSWCR):	37.5974465	Decimal Longitude:	-122.3850294
Decim Long(OSWCR):	-122.3850294		
Location(OSWCR):	130 S EL CAMINO REAL		
City(OSWCR):	MILLBRAE		
Location:	130 S EL CAMINO REAL		
City:	MILLBRAE		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NW	0.22	1,168.76	24.16	WATER WELLS

WCR No:	WCR2017-002364	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.5971171
Decimal Lat(OSWCR):	37.5971171	Decimal Longitude:	-122.3855417
Decim Long(OSWCR):	-122.3855417		
Location(OSWCR):	130 S EL CAMINO REAL		
City(OSWCR):	MILLBRAE		
Location:	130 S EL CAMINO REAL		
City:	MILLBRAE		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	NW	0.22	1,172.97	24.56	WATER WELLS

WCR No:	WCR2017-002365	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.5970682
Decimal Lat(OSWCR):	37.5970682	Decimal Longitude:	-122.3856141
Decim Long(OSWCR):	-122.3856141		
Location(OSWCR):	130 S EL CAMINO REAL		
City(OSWCR):	MILLBRAE		
Location:	130 S EL CAMINO REAL		
City:	MILLBRAE		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	WNW	0.22	1,160.71	35.44	WATER WELLS

WCR No:	WCR2011-001908	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.5955556

Decimal Lat(OSWCR):	37.5955556	Decimal Longitude:	-122.3866667
Decim Long(OSWCR):	-122.3866667		
Location(OSWCR):	1883 EL CAMINO REAL		
City(OSWCR):	BURLINGAME		
Location:	1883 EL CAMINO REAL		
City:	BURLINGAME		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NW	0.23	1,192.88	13.51	WATER WELLS

WCR No:	WCR2011-002575	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.5977778
Decimal Lat(OSWCR):	37.5977778	Decimal Longitude:	-122.3847222
Decim Long(OSWCR):	-122.3847222		
Location(OSWCR):	180 CALIFORNIA DR		
City(OSWCR):	MILLBRAE		
Location:	180 CALIFORNIA DR		
City:	MILLBRAE		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	NNW	0.23	1,194.26	12.43	WATER WELLS

WCR No:	WCR2017-002176	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.5978328
Decimal Lat(OSWCR):	37.5978328	Decimal Longitude:	-122.3846217
Decim Long(OSWCR):	-122.3846217		
Location(OSWCR):	130 S EL CAMINO REAL		
City(OSWCR):	MILLBRAE		
Location:	130 S EL CAMINO REAL		
City:	MILLBRAE		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	NW	0.23	1,220.84	20.17	WATER WELLS

WCR No:	WCR2017-002175	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.5974146
Decimal Lat(OSWCR):	37.5974146	Decimal Longitude:	-122.3854398
Decim Long(OSWCR):	-122.3854398		
Location(OSWCR):	130 S EL CAMINO REAL		
City(OSWCR):	MILLBRAE		
Location:	130 S EL CAMINO REAL		

City: MILLBRAE
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	NW	0.23	1,220.84	20.17	WATER WELLS

WCR No: WCR2017-002170
County: San Mateo
County(OSWCR): San Mateo
Decimal Latitude: 37.5974146
Decimal Lat(OSWCR): 37.5974146
Decimal Longitude: -122.3854398
Decim Long(OSWCR): -122.3854398
Location(OSWCR): 130 S EL CAMINO REAL
City(OSWCR): MILLBRAE
Location: 130 S EL CAMINO REAL
City: MILLBRAE
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	NW	0.24	1,249.61	24.59	WATER WELLS

WCR No: WCR2017-002366
County: San Mateo
County(OSWCR): San Mateo
Decimal Latitude: 37.5972765
Decimal Lat(OSWCR): 37.5972765
Decimal Longitude: -122.3857375
Decim Long(OSWCR): -122.3857375
Location(OSWCR): 130 S EL CAMINO REAL
City(OSWCR): MILLBRAE
Location: 130 S EL CAMINO REAL
City: MILLBRAE
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	NW	0.24	1,250.44	20.59	WATER WELLS

WCR No: WCR2017-002178
County: San Mateo
County(OSWCR): San Mateo
Decimal Latitude: 37.5975013
Decimal Lat(OSWCR): 37.5975013
Decimal Longitude: -122.3854746
Decim Long(OSWCR): -122.3854746
Location(OSWCR): 130 S EL CAMINO REAL
City(OSWCR): MILLBRAE
Location: 130 S EL CAMINO REAL
City: MILLBRAE
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Wells and Additional Sources Detail Report

24	NW	0.24	1,250.89	18.33	WATER WELLS

WCR No:	WCR2017-002181	County:	San Mateo
County(OSWCR):	San Mateo	Decimal Latitude:	37.5976548
Decimal Lat(OSWCR):	37.5976548	Decimal Longitude:	-122.385264
Decim Long(OSWCR):	-122.385264		
Location(OSWCR):	130 S EL CAMINO REAL		
City(OSWCR):	MILLBRAE		
Location:	130 S EL CAMINO REAL		
City:	MILLBRAE		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *SAN MATEO* County: **2**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *SAN MATEO* County

No Measures/Homes:	38
Geometric Mean:	0.4
Arithmetic Mean:	0.8
Median:	0.5
Standard Deviation:	1.3
Maximum:	6.6
% >4 pCi/L:	3
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of California conducted during 1989-90. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data — **PWSV**

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) — **SDWIS**

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data — **US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System — **FED USGS**

The U.S. Geological Survey (USGS)'s National Water Information System (NWIS) is the nation's principal repository of water resources data. This database includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data.

State Sources

Oil and Gas Wells — **OGW**

A list of Oil and Gas well locations. This is provided by California's Department of Conservation Division of

Appendix

Oil, Gas and Geothermal Resources.

Periodic Groundwater Level Measurement Locations **MONITOR WELLS**

Locations of groundwater level monitoring wells in the Department of Water Resources (DWR)'s Periodic Groundwater Levels dataset. The DWR Periodic Groundwater Levels dataset contains seasonal and long-term groundwater level measurements collected by the Department of Water Resources and cooperating agencies.

Well Completion Reports **WATER WELLS**

List of wells from the Well Completion Reports data made available by the California Department of Water Resources' (DWR) Online System for Well Completion Reports (OSWCR). Please note that the majority of well completion reports have been spatially registered to the center of the 1x1 mile Public Land Survey System section that the well is located in.

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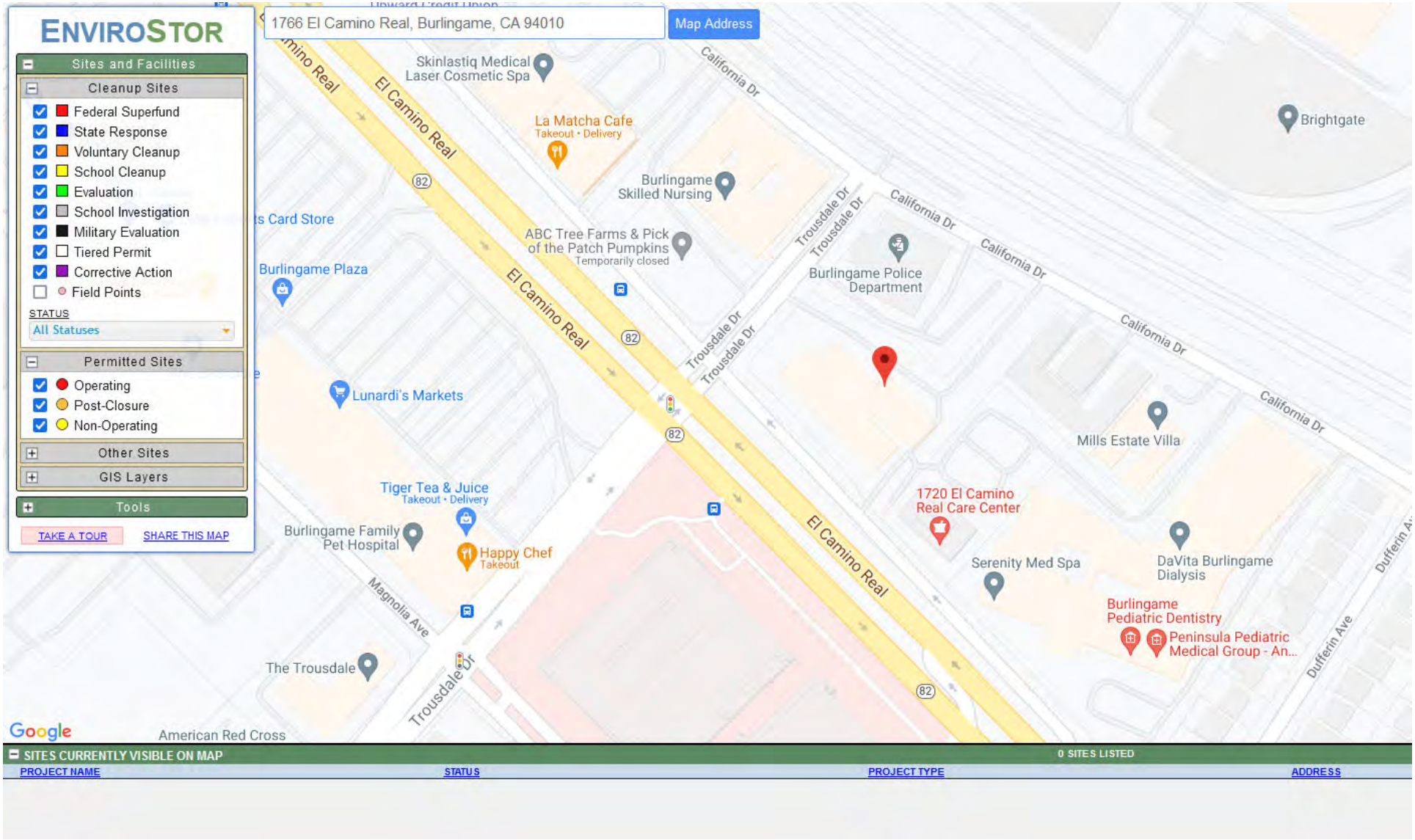
SUPPLEMENTAL REGULATORY DOCUMENTATION


ENVIROSTOR
Sites and Facilities
Cleanup Sites
Federal Superfund
State Response
Voluntary Cleanup
School Cleanup
Evaluation
School Investigation
Military Evaluation
Tiered Permit
Corrective Action
Field Points
STATUS
All Statuses
Permitted Sites
Operating
Post-Closure
Non-Operating
Other Sites
GIS Layers
Tools
TAKE A TOUR
SHARE THIS MAP
1766 El Camino Real, Burlingame, CA 94010
Map Address
El Camino Real
82
California Dr
Trousdale Dr
Skinlastiq Medical Laser Cosmetic Spa
La Matcha Cafe
Takeout • Delivery
Burlingame Skilled Nursing
ABC Tree Farms & Pick of the Patch Pumpkins
Temporarily closed
Burlingame Police Department
Brightgate
Burlingame Plaza
Lunardi's Markets
Mills Estate Villa
Tiger Tea & Juice
Takeout • Delivery
Burlingame Family Pet Hospital
Happy Chef
Takeout
1720 El Camino Real Care Center
Serenity Med Spa
DaVita Burlingame Dialysis
Burlingame Pediatric Dentistry
Peninsula Pediatric Medical Group - An...
Magnolia Ave
Dufferin Ave
The Trousdale
Google
American Red Cross
SITES CURRENTLY VISIBLE ON MAP
0 SITES LISTED
PROJECT NAME
STATUS
PROJECT TYPE
ADDRESS

UST REMOVAL AND SOIL EXCAVATION REPORT

1111 Trousdale Drive,
Burlingame, CA

2175 N California Blvd | Suite 315
Walnut Creek, California 94596
925.627.4100

woodardcurran.com
COMMITMENT & INTEGRITY DRIVE RESULTS

0231468.01
City of Burlingame
January 24, 2020

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FIGURES

APPENDICES

1. INTRODUCTION

On behalf of the City of Burlingame (City), Woodard & Curran prepared this UST Removal and Soil Excavation Report (Report) to document the removal of two underground storage tanks (USTs) at the City's Police Station located at 1111 Trousdale Drive, Burlingame, California (Site, Figure 1). This Report fulfills requirements of the San Mateo County Environmental Health Division (County) Underground Storage Tank System Closure Permit Application (County, 2017).

Since 1983, the City has used a 12,000-gallon fiberglass gasoline UST for fueling vehicles at the Police Station. The fuel system included a dispenser located between the tank's concrete apron and the adjacent concrete wall on the southwest property boundary. The second UST, a 4,000-gallon fiberglass diesel tank has been used as a backup fuel supply for the City's emergency generator located at the Police Station. The fuel system included 1 ½-inch-diameter fiberglass supply and return fuel lines to the emergency generator building which is located approximately 10 feet northwest of the tank (Figure 2).

The City retained PMK Contractors LLC (PMK) of Hayward, California to remove the USTs. PMK provided most the documentation in this Report including waste manifests and analytical results for tank rinsate samples. Woodard & Curran obtained confirmation soil sample analytical results. Wastes generated from the excavation and removal of the USTs were transported and disposed of at permitted facilities. Tank removal activities including Site restoration were conducted from early September through late October 2019.

2. TANK REMOVAL ACTIVITIES

2.1 UST Removal Permit

On September 11, the City received Permit 19-1443 (dated September 4, 2019) from the County for removal of both USTs. A copy of the Permit is provided in Appendix A.

2.2 Excavation, Removal and Backfilling

Gasoline UST

On September 3, PMK removed asphalt pavement over the tank and placed it on visqueen sheeting adjacent to the planned excavation. PMK retained Valley Oil Company to remove and transport approximately 527 gallons of gasoline fuel left in the tank to the City's Corporation Yard located at 1361 North Carolan Avenue, Burlingame. PMK retained Primax Shoring, Inc. to design shoring for the southwest portion of the planned excavation to protect the concrete wall and wall footings.

On September 5, PMK excavated approximately 560 cubic yards of soil from around the tank with a backhoe. The excavated soil was placed on the visqueen sheeting noted above. The bottom of the tank was reportedly approximately 14 feet below ground surface (bgs).

On September 9, All Clean Hazardous Waste Removal, Inc. (All Clean), retained by PMK, removed approximately 900 pounds of pea gravel from inside the tank and placed it in a 55-gallon steel drum. All Clean triple washed the interior of the tank with high pressure water and detergent. Rinsate from tank cleaning was pumped into 55-gallon steel drums. On September 13, All Clean collected a sample of the final rinsate and submitted it to NELAP-certified McCampbell Analytical, Inc. of Pittsburg, California under chain-of-custody procedures.

On September 24, PMK measured oxygen levels and the lower explosive limit (LEL) in the tank under the direction of Robert Reed with the County using a gas meter supplied by the County. Mr. Reed determined the atmospheric conditions in the tank were less than 10% of the LEL. PMK placed approximately 240 pounds of dry ice in the tank to inert it prior to removal from the excavation. After visual inspection, the tank was placed on a flatbed truck for transportation and disposal as non-hazardous waste.

On October 17, PMK removed the shoring and backfilled the excavation with imported Class 2 aggregate base from Granite Rock in San Francisco. The quantity of fill was equivalent to the amount of soil excavated. The excavation was backfilled to within approximately six inches of ground surface and compacted to 95% relative compaction.

Diesel UST

On September 3, PMK removed asphalt pavement over the tank and placed it on the visqueen sheeting noted above. PMK retained Valley Oil Company to remove and transport approximately 2,383 gallons of diesel fuel left in the tank to the City's Corporation Yard. Primax Shoring designed the shoring PMK placed on all four sides of the excavation.

On October 7, PMK excavated approximately 65 cubic yards of soil around the tank with a backhoe. The excavated soil was placed on the visqueen sheeting noted above. The bottom of the tank was reportedly approximately 12 feet bgs.

On September 9, All Clean triple washed the interior of the tank with high pressure water and detergent. Rinsate from tank cleaning was pumped into 55-gallon steel drums. On September 12, All Clean collected a sample of the final rinsate and submitted it McCampbell Analytical under chain-of-custody procedures.

On October 15, PMK measured oxygen levels and the LEL in the tank under the direction of Patrick Ledesma with the County using a gas meter supplied by the County. Mr. Ledesma determined the atmospheric conditions in the tank were less than 10% of the LEL. PMK placed approximately 80 pounds of dry ice in the tank to inert it prior to removal from the excavation. After visual inspection, the tank was placed on a flatbed truck for transportation and disposal as non-hazardous waste.

On October 17, PMK removed the shoring and backfilled the excavation with imported Class 2 aggregate base from Granite Rock. The quantity of fill was equivalent to the amount of soil excavated. The excavation was backfilled to approximately 6 inches of ground surface and compacted to 95% relative compaction. On October 18, Fugro USA Land, Inc., retained by Woodard & Curran, conducted compaction testing of the backfill in both excavations. Results confirmed 95% relative compaction.

In conjunction with the UST excavation activities, the City requested that PMK transport and dispose of six drums of soil cuttings generated from previous investigations near the USTs. PMK arranged for All Clean to transport the drums of soil cuttings to US Ecology Nevada located 11 miles south of Beatty, Nevada.

2.3 Waste Disposal

Following profiling and acceptance, wastes were transported to permitted disposal facilities under Uniform Hazardous Waste Manifest procedures (for non-RCRA hazardous wastes) and Non-Hazardous Special Waste & Asbestos Manifest procedures (for non-hazardous wastes). Copies of Uniform Hazardous Waste Manifests and Non-Hazardous Special Waste & Asbestos Manifests received from PMK are provided in Appendix B. Analytical reports from McCampbell Analytical for the rinsate samples collected from both tanks are provided in Appendix C.

- Approximately 1,078 tons of soil generated during excavation of the gasoline and diesel USTs was transported by Reynolds Trucking to Republic Services' Vasco Road Landfill in Livermore for disposal as non-hazardous waste.
- The 12,000-gallon gasoline and 4,000-gallon diesel fiberglass tanks were transported by Republic Services to its Vasco Road Landfill in Livermore for disposal as non-hazardous waste.
- Eight 55-gallon drums containing 440 gallons of rinsate generated during cleaning both USTs were transported as non-RCRA hazardous waste by All Clean and Temarry Recycling, Inc. to the Recicladora Temarry de Mexico facility in San Pablo, Baja California, Mexico for recycling.
- One 55-gallon drum containing 900 pounds of petroleum-impacted pea gravel removed from the gasoline UST was transported by All Clean as non-RCRA hazardous waste to the US Ecology Nevada facility located south of Beatty, Nevada for disposal.

3. CONFIRMATION SOIL SAMPLING AND ANALYTICAL RESULTS

3.1 Confirmation Soil Sampling

Gasoline UST

On September 24, PMK collected three soil samples (GE-1 to GE-3) beneath the UST at the direction of Woodard & Curran and in compliance with the Permit. Soil samples were collected at the ends of the UST footprint; a third sample was collected at the mid-point. These excavation bottom samples were collected at a depth of 16 feet bgs which is approximately two feet into the native soil beneath the UST (Figure 3).

At the County's request, Woodard & Curran collected a confirmation soil sample (GE-4) under the fuel dispenser immediately southeast of the excavation at a depth of approximately three feet bgs and two feet into the native soil. All confirmation soil samples were collected with an EnCore® Sampler and placed into a cooler with regular (wet) ice. Samples were picked up by a McCampbell Analytical courier and transported to its laboratory under chain-of-custody procedures.

In accordance with the Permit, the soil samples were analyzed by USEPA Method 8260B for the following analytes:

- Total petroleum hydrocarbons (TPH) quantified as gasoline (TPH-g);
- Benzene, toluene, ethylbenzene, and xylenes (BTEX);
- Fuel oxygenates (Methyl tert-Butyl Ether [MTBE], tert-Butyl Alcohol [TBA], di-Isopropyl Ether [DIPE], and tert-Amyl Methyl Ether [TAME]);
- Lead scavengers (Ethyl tert-Butyl Ether [ETBE], 1,2-Dibromoethane [EDB], and 1,2-Dichloroethane [EDC]);
- Naphthalene;
- Chlorinated hydrocarbons (Tetrachloroethene [PCE], Trichloroethene [TCE], cis-1,2-Dichlorothene, trans-1,2-Dichlorothene, and Vinyl Chloride); and
- Ethanol.

Diesel UST

On October 17, 2019, PMK collected two soil samples (DT-1 and DT-2) beneath the UST at the direction of Woodard & Curran. Soil samples were collected from the excavation bottom at each endpoint of the UST footprint in compliance with the Permit. These excavation bottom samples were collected at a depth of 14 feet bgs which is approximately two feet into the native soil beneath the UST. Woodard & Curran collected a third confirmation soil sample (DT-3) under the fuel line just beyond the western end of the excavation at a depth of approximately five feet bgs which is approximately two feet into the native soil beneath the fuel line (Figure 3). Soil samples were collected using a hand auger with 6-inch-long stainless-steel sleeves and an EnCore® Sampler. Each EnCore® Sampler was capped and placed into a cooler with regular (wet) ice. Samples were picked up by a McCampbell Analytical courier and transported to its laboratory under chain-of-custody procedures.

In accordance with the Permit, the soil samples were analyzed for the following constituents by USEPA Method 8015 and USEPA Method 8260B for the following analytes:

- TPH quantified as diesel (TPH-d) by USEPA Method 8015;
- BTEX;
- Naphthalene;

- Chlorinated hydrocarbons (PCE, TCE, cis-1,2-Dichlorothene, trans-1,2-Dichlorothene, and Vinyl Chloride); and
- Ethanol.

3.2 Analytical Results

Analytical results for the soil confirmation samples were compared to the San Francisco Bay Regional Water Quality Control Board (RWQCB) Tier 2 Site Specific Environmental Screening Levels (ESLs) for a commercial/industrial land use scenario (Tier 2 ESLs). Default assumptions in this scenario are minimal vegetation, maximum contaminant level (MCL) priority, groundwater as a drinking water resource, potential surface water discharge to freshwater and saltwater, and shallow soil contamination less than10 feet bgs. According to the RWQCB *User's Guide: Derivation and Application of Environmental Screening Levels* (RWQCB, 2019), in most circumstances and within the limitations described, detections of contaminants of concern in soil, soil vapor, and groundwater below Tier 2 ESLs under the default assumptions noted above are generally not considered a threat to human health or the environment under the current and anticipated land use at a site.

Gasoline UST

Analytical results for the confirmation soil samples are provided in Table 1 and summarized below:

- TPH-g was detected in sample GE-3 at a concentration of 1,400 milligrams per kilogram (mg/kg), below the Tier 2 ESL.
- Ethylbenzene, Xylenes (total), and Naphthalene were detected in soil sample GE-3 at concentrations of 11 mg/kg, 16 mg/kg, and 4.7 mg/kg, respectively, all above Tier 2 ESLs.
- Ethanol was detected in samples GE-1, GE-2 and GE-4 at concentrations of 1.3 mg/kg, 1.1 mg/kg and 1.0 mg/kg, respectively. GE-3 was non-detect for ethanol. However, due to the laboratory dilution factor, the reporting limit for ethanol in the sample was elevated to 120 mg/kg. A Tier 2 ESL has not been established for ethanol.
- No detections were reported for the remaining compounds analyzed.

Diesel UST

- Analytical results for the confirmation soil samples are provided in Table 2. No detections were reported for the compounds analyzed.

4. CONCLUSIONS

Both USTs were observed to be in good condition with no visible holes during excavation and removal activities. No indications of petroleum hydrocarbon impacts were observed during the removal of the diesel UST. Laboratory analytical results did not report any detections of TPH-d or related constituents in any of the soil samples collected from the diesel UST excavation.

During collection of confirmation soil samples beneath the gasoline tank at a depth of 16 feet bgs, petroleum-stained soils and a strong petroleum odor were detected. These conditions were more pronounced under the middle and northern end of the gasoline tank where GE-2 and GE-3 were collected. However, the analytical results for these samples indicate relatively low to non-detect concentrations. At Woodard & Curran's request, McCampbell Analytical reviewed their work and found no errors. Chromatograms provided for the samples were consistent with reported results. The En Core sampling method collects a small soil sample volume that is insufficient to re-analyze. Previous soil and groundwater sampling adjacent to the gasoline UST has documented petroleum-impacts. The visual and olfactory observations are consistent with the previous investigation results.

5. REFERENCES

County of San Mateo, Environmental Health Services Division, 2017, *Underground Storage Tank Closure Permit Application, Recommended Minimum Verification Analyses*. February.

San Francisco Bay Regional Water Quality Control Board. 2019. User's Guide: Derivation and Application of Environmental Screening Levels (ESLs). February.

TABLES

Table 1 – Gasoline UST Confirmation Soil Sample Results

Table 2 – Diesel UST Confirmation Soil Sample Results

Table 1
Gasoline UST Confirmation Soil Sample Results
City of Burlingame
1111 Trousdale Drive, Burlingame, California

	Sample ID	GE-1	GE-2	GE-3	GE-4
	Analytical Qualifiers	a9	a9	a9,c7	a9
	Location	Excavation Bottom	Excavation Bottom	Excavation Bottom	Dispenser/Fuel Line
Analyte	Tier 2 ESL*	Analytical Results (mg/Kg)			
TPH-Gasoline	2,000	<0.64	<0.45	**1,400**	<0.43
Benzene	0.025	<0.013	<0.0089	<1.2	<0.0086
Toluene	3.2	<0.013	<0.0089	<1.2	<0.0086
Ethylbenzene	0.43	<0.013	<0.0089	**11**	<0.0086
Xylenes, Total	2.1	<0.013	<0.0089	**16**	<0.0086
Naphthalene	0.042	<0.013	<0.0089	**4.7**	<0.0086
MTBE	0.028	<0.013	<0.0089	<1.2	<0.0086
TBA	0.075	<0.13	<0.089	12	<0.086
DIPE	NE	<0.013	<0.0089	<1.2	<0.0086
TAME	NE	<0.013	<0.0089	<1.2	<0.0086
ETBE	NE	<0.013	<0.0089	<1.2	<0.0086
EDB	0.00054	<0.010	<0.0071	<0.99	<0.0069
1,2-DCA	0.007	<0.013	<0.0089	<1.2	<0.0086
PCE	0.08	<0.013	NA	NA	NA
TCE	0.085	<0.013	NA	NA	NA
cis-1,2-DCE	0.19	<0.013	NA	NA	NA
trans-1,2-DCE	0.65	<0.013	NA	NA	NA
Vinyl Chloride	0.0015	<0.013	NA	NA	NA
Ethanol	NE	**1.3**	**1.1**	<120	**1.0**

Notes:

All samples analyzed by U.S. EPA Method 8260B

< : indicates analyte not detected above the laboratory reporting limit following the "<".

: analyte detected above the Tier 2 ESL.

Bold: analyte detected above the laboratory reporting limit.

NA: Not analyzed

NE: Not established

* = Environmental Screening Levels for a commercial/industrial land use scenario with minimal vegetation, maximum contaminant level (MCL) priority, groundwater as a drinking water resource, potential surface water discharge to freshwater & saltwater, and shallow soil contamination (<10 feet bgs)

Quality Control Report Notes

The surrogate standard recovery is outside of acceptance limits in the laboratory method blank and LCS/LCSD for Dibromofluormethane and Toluene-d8.

TPH-gasoline was detected at 0.54 mg/Kg in the laboratory method blank.

The LCSD for TPH-gasoline is outside of acceptance criteria.

Laboratory Analytical Qualifiers:

a9: Reporting limit near, but not identical to, our standard reporting limit due to variable Encore/Solid sample weight.

c7: Surrogate value diluted out of range.

Abbreviations:

mg/Kg: milligram per kilogram

ESL: Environemental Screening Level

LCS: Laboratory Control Sample

LCSD: Laboratory Control Sample Duplicate

TPH: Total Petroleum Hydrocarbons

MTBE: Methyl tert-butyl ether

TBA: tert-Butyl alcohol

DIPE: Diisopropyl Ether

TAME: tert-Amyl methyl ether

ETBE: Ethyl tert-butyl ether

EDB: 1,2-Dibromoethane

1,2-DCA: 1,2-Dichloroethane

PCE: Tetrachloroethene

TCE: Trichloroethene

cis-1,2-DCE: cis-1,2-Dichloroethene

trans-1,2-DCE: trans-1,2-Dichloroethene

Table 2
Diesel UST Confirmation Soil Sample Results
City of Burlingame
1111 Trousdale Drive, Burlingame, California

	Sample ID	DT-1	DT-2	DT-3
	Analytical Qualifiers	a9, c2	a9,c2	a9
	Location	Excavation Bottom	Excavation Bottom	Dispenser/Fuel Line
Analyte	Tier 2 ESL*	Analytical Results (mg/Kg)		
TPH-Diesel	260	<1.0	<1.0	<1.0
Benzene	0.025	<0.010	<0.0093	<0.028
Toluene	3.2	<0.010	<0.0093	<0.028
Ethylbenzene	0.43	<0.010	<0.0093	<0.028
Xylenes, Total	2.1	<0.010	<0.0093	<0.028
Napthtalene	0.042	<0.010	<0.0093	<0.028
PCE	0.08	<0.010	NA	NA
TCE	0.085	<0.010	NA	NA
cis-1,2-DCE	0.19	<0.010	NA	NA
trans-1,2-DCE	0.65	<0.010	NA	NA
Vinyl Chloride	0.0015	<0.010	NA	NA

Notes:

< : indicates analyte not detected above the laboratory reporting limit following the "<".

Bold: indicates analyte detected above the laboratory reporting limit.

NA: Not analyzed

TPH-Diesel analyzed by U.S. EPA Method 8015B.

VOCs analyzed by U.S. EPA Method 8260B.

* = Environmental Screening Levels for a commercial/industrial land use scenario with minimal vegetation, maximum contaminant level priority, groundwater as a drinking water resource, potential surface water discharge to freshwater & saltwater, and shallow soil contamination (<10 feet below ground surface) .

Quality Control Report Notes

The surrogate standard recovery is outside of acceptance limits in the laboratory method blank and LCSD for Dibromofluormethane and 4-BFB.

The surrogate standard recovery is outside of acceptance limits in the LCS for Dibromofluormethane and Ethylbenzene-d10.

The LCSD for Bromoform and n-Butyl benzene is outside of acceptance criteria.

Laboratory Analytical Qualifiers:

a9: Reporting limit for VOCs near, but not identical to, our standard reporting limit due to variable Encore/Solid sample weight.

c2: Surrogate recovery outside of the control limits due to matrix interference.

Abbreviations:

mg/Kg: milligram per kilogram

ESL: Environemental Screening Level

RPD: Relative Percent Difference

LCS: Laboratory Control Sample

LCSD: Laboratory Control Sample Duplicate

VOCs: Volatile Organic Compounds

TPH: Total Petroleum Hydrocarbons

PCE: Tetrachloroethene

TCE: Trichloroethene

cis-1,2-DCE: cis-1,2-Dichloroethene

trans-1,2-DCE: trans-1,2-Dichloroethene

FIGURES

Figure 1: Site Location

Figure 2: Site Plan

Figure 3: Confirmation Sample Locations

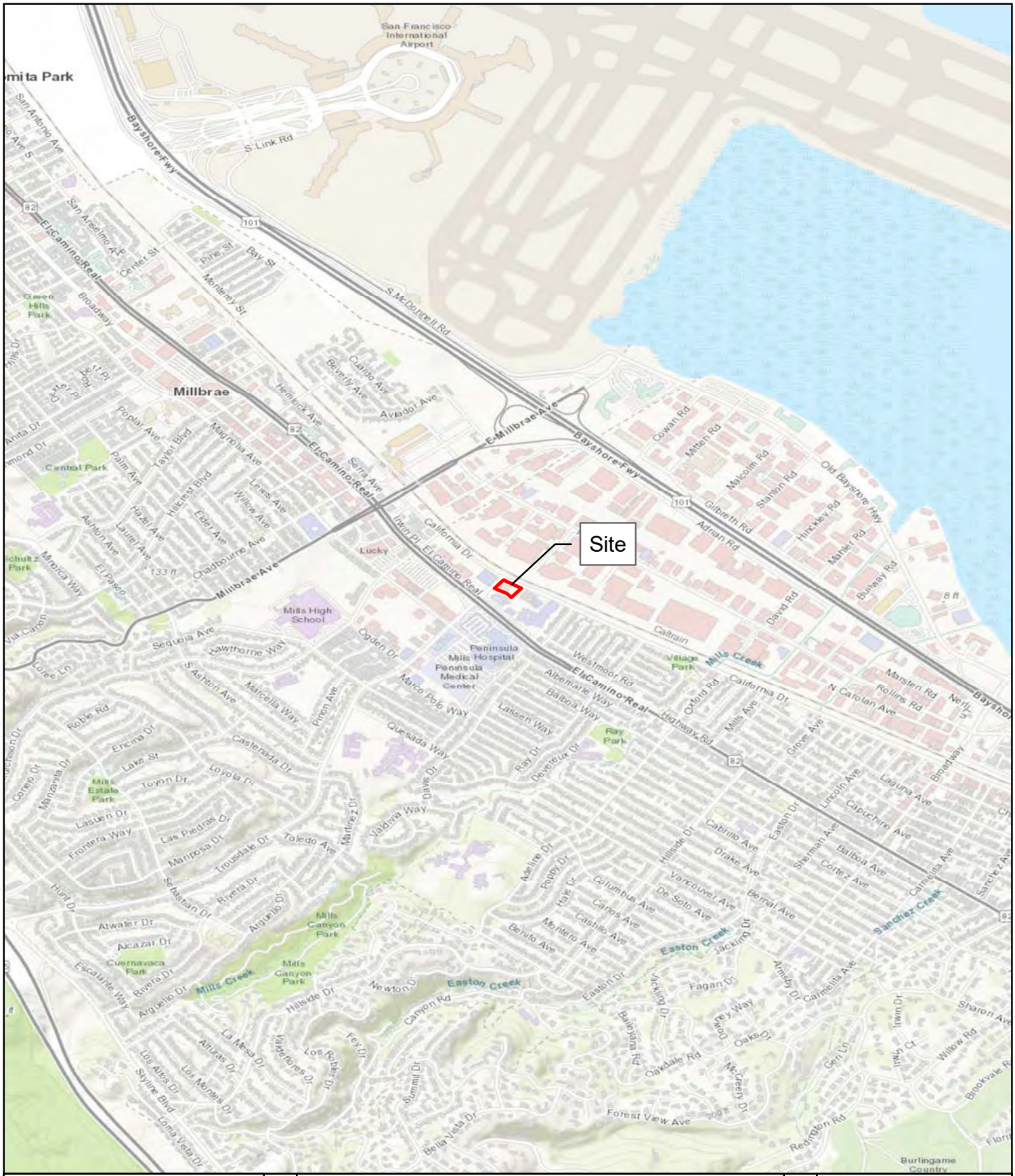

Figure 1
Site Location

City of Burlingame
1111 Trousdale Drive
Burlingame, CA

Legend

Site Boundary

N

0 0.075 0.15 0.3 Miles

Project #: 0231468.01
Map Created: January 2019

Figure Exported: 1/22/2020 By: kalmestad Using: \\woodardcurran.net\shared\Projects\0231468.01 Burlingame CA UST Removal and Soil Sampling\wip\GIS\Figure 1 - Site Location.mxd

Figure 2
Site Plan

City of Burlingame
1111 Trousdale Drive
Burlingame, CA

Legend

- Tank Apron
- Site Boundary

0 25 50 Feet

N

Project #: 0231468.01
Map Created: December 2019

Figure 3
Confirmation Sample Locations

City of Burlingame
1111 Trousdale Drive
Burlingame, CA

Legend

- Sample Locations
- Excavation Footprint
- Tank Apron
- Site Boundary

0 5 10 20 Feet

N

Project #: 0231468.01
Map Created: December 2019

Third Party GIS Disclaimer: This map is for reference and graphical purposes only and should not be relied upon by third parties for any legal decisions. Any reliance upon the map or data contained herein shall be at the users' sole risk. **Data Sources:** Bing Maps

Figure Exported: 1/17/2020 By: kalmestad Using: \\woodardcurran.net\shared\Projects\0231468.01 Burlingame CA UST Removal and Soil Sampling\wip\GIS\Figure 3 - Confirmation Sample Locations.mxd

APPENDIX A: UST CLOSURE PERMIT

CA HEALTH & SAFETY CODE: 25280-25299.8

SAN MATEO COUNTY HEALTH
ENVIRONMENTAL HEALTH SERVICES

Permit 19-1443

PE: 2390 UST/TANK ABANDONMENT/REMOVAL FEE

RECEIVED
SEP 11 2019

FACILITY:
CITY OF BURLINGAME POLICE DEPT
1111 TROUSDALE DR, BURLINGAME

OWNER:
CITY OF BURLINGAME
CITY OF BURLINGAME
501 PRIMROSE RD
BURLINGAME

FA0009591
SR0029515
AMOUNT PAID: $ 2,570.00

CONTRACTOR:
PMK CONTRACTORS LLC
1580 CHABOT CT
HAYWARD

UST REMOVAL

CC: FIRE/BLDG - BURLINGAME

TERMS & CONDITIONS:

SEE CONDITIONS ON WORK SCOPE

PATRICK LEDESMA

ENVIRONMENTAL HEALTH SPECIALIST

DATE ISSUED: 9/4/2019

EXPIRATION DATE: 3/3/2020

THIS CERTIFICATE IS NONTRANSFERABLE AND MUST BE POSTED ON-SITE IN A CONSPICUOUS PLACE.

APPENDIX B: WASTE MANIFESTS

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

6002838

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		

d. Generator's Name and Location:	e. Generator's Mailing Address:
City of Burlingame 1111 Trousdale Dr. Burlingame, CA 94010 650-558-7213 f. Phone:	City of Burlingame 501 Primrose Rd. Burlingame, CA 94010 650-558-7213 g. Phone:

PMK CONTRACTORS
1580 CHABOT CT.
HAYWARD

If owner of the generating facility differs from the generator, provide:

h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
38501914363	9/20/2020	Fiberglass Storage				

RECEIVED
OCT 25 2019

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, If this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
FOR PMC CONTRACTORS		10/15/19

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: MARTINEZ TRUCKING
2117 Dunn Rd Hayward

b. Phone: 510 875-3304

c. Driver Name (Print)	d. Signature	e. Date
JULIO CESAR		

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Vasco Road Landfill 4001 N. Vasco Rd. b. Livermore, CA 94551 925-447-0491		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
M. Pedroza		10-16-19

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

5976346

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		

d. Generator's Name and Location:	e. Generator's Mailing Address:
City of Burlingame 1111 Trousdale Dr.	City of Burlingame 501 Primrose Rd.
f. Phone: Burlingame, CA 94010 650-558-7213	g. Phone: Burlingame, CA 94010 650-558-7213
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
38501914363	9/20/2020	Fiberglass Storage				

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

X

a. Transporter's Name and Address:
2417 DUNN Road
HAYWARD CA

b. Phone: ~~877~~.422-1818 - 510-786-1818

c. Driver Name (Print)	d. Signature	e. Date
Miguel A Lopez		9-24-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Vasco Road Landfill 4001 N. Vasco Rd. b. Livermore, CA 94551 925-447-0401		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		9/24/19

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

X g. Operator's Name and Title (Print)	X h. Signature	i. Date
Kevin Okada		9/24/19

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

REV 01/14 **DESTINATION RETURN** RS-F11A

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAC003024328	1	408-363-3678	021107517 JJK

GENERATOR

5. Generator's Name and Mailing Address
CITY OF BURLINGAME PUBLIC WORKS
501 PRIMROSE ROAD
BURLINGAME, CA 94010

Generator's Site Address (if different than mailing address)
1111 TROUSDALE DRIVE
BURLINGAME, CA 94010

Generator's Phone:

6. Transporter 1 Company Name: ALL CLEAN HAZARDOUS WASTE REMOVAL INC
U.S. EPA ID Number: CAD982492399

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
US ECOLOGY NEVADA
HWY. 95 11 MILES SOUTH OF BEATTY, P.O. BOX 578
BEATTY, NV 89003
Facility's Phone: 775-553-2203
U.S. EPA ID Number: NVT330010000

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. NON RCRA HAZARDOUS WASTE, SOLID (SOIL WITH PETROLEUM HYDROCARBONS)	1	DM	900	P	352		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1) 070128300- 29099 (SOIL WITH PETROLEUM HYDROCARBONS) 1x55
PO:15052-2

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Roberto Romero for Generator
Signature:
Month: 10 Day: 11 Year: 19

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Roberto Romero
Signature:
Month: 10 Day: 11 Year: 19

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Kenny Harrington
Signature:
Month: 10 Day: 21 Year: 19

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAC003024328	1	408-363-3678	021107516 JJK

GENERATOR

5. Generator's Name and Mailing Address
CITY OF BURLINGAME PUBLIC WORKS
501 PRIMROSE ROAD
BURLINGAME, CA 94010

Generator's Site Address (if different than mailing address)
1111 TROUSDALE DRIVE
BURLINGAME, CA 94010

Generator's Phone:

6. Transporter 1 Company Name
ALL CLEAN HAZARDOUS WASTE REMOVAL INC

U.S. EPA ID Number
CAD982492399

7. Transporter 2 Company Name
TEMARRY RECYCLING, INC.

U.S. EPA ID Number
CAR000194217

8. Designated Facility Name and Site Address
RECICLADORA TEMARRY DE MEXICO
CARRETERA. FEDERAL NO. 2 MEX, SAN PABLO TECATE BC

U.S. EPA ID Number
MXC130619001

Facility's Phone: 619-270-9453

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, Waste Flammable Liquid, N.O.S (Gasoline, Water), 3, PGII	8	DM	440	G	D001	D018	214
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1) R19-26898 (Water and Fuel Mixture) 8X55
PRIMARY EXPORTER: TEMARRY RECYCLING INC. 020526/10E/18, 020539/10E/18, 020514/9E/18 PO# 15052

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Roberto Ramirez for Generator | Signature | Month 10 | Day 11 | Year 19

INT'L

16. International Shipments ☐ Import to U.S. ☒ Export from U.S. Port of entry/exit: Otay Mesa CA
Transporter signature (for exports only): | Date leaving U.S.: 10 21 19

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Roberto Ramirez | Signature | Month 10 | Day 11 | Year 19

Transporter 2 Printed/Typed Name: [illegible] 11/10/19 | Signature | Month 10 | Day 16 | Year 19

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H020			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Fernando Moran | Signature: Fernando | Month 10 | Day 21 | Year 19

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

CATEGORIZACION / SCREENING REPORT

NO. 1911702

Recicladora Temarry de México S.A. de C.V.
Carretera Federal No. 2 Mexicali-Tijuana KM. 121, San Pablo Tecate B.C. C.P.21530
Tel.: (665)655-14-62 Fax: (665)655-7148

Generador / Generator **CITY OF BURLINGAME PUBLIC WORKS**

Manifiesto(s)/Manfest: **JJK 21107516**

Residuo / Waste:

No. de Embarque: **R19-1391**

Perfil / Profile: Disposición:

Contenedores /Container:

Residuo / Waste	Manifiesto Manifest	Cantidad Qty.	Tipo de Cont. Container	Kgs./Lts. Weight/Vol.	% Liquido % Liquid	% Lodo % Sludge	% Sólido % Solid	PH	Densidad Density	Cod. Actual	Cod. Profile	Perfil Profile	Discrepancia Discrepancy
WATER AND FUEL MIXTURE	JJK21107516	1/8	DM	190.00	100			6	1.000	IC-55	IC-55	R19-26953	
WATER AND FUEL MIXTURE	JJK21107516	2/8	DM	190.00	100			6	1.000	IC-55	IC-55	R19-26953	
WATER AND FUEL MIXTURE	JJK21107516	3/8	DM	70.00	100			6	1.000	IC-55	IC-55	R19-26953	
WATER AND FUEL MIXTURE	JJK21107516	4/8	DM	190.00	100			7	1.000	IC-55	IC-55	R19-26953	
WATER AND FUEL MIXTURE	JJK21107516	5/8	DM	180.00	100			7	1.000	IC-55	IC-55	R19-26953	
WATER AND FUEL MIXTURE	JJK21107516	6/8	DM	180.00	100			6	1.000	IC-55	IC-55	R19-26953	
WATER AND FUEL MIXTURE	JJK21107516	7/8	DM	200.00	100			7	1.000	IC-55	IC-55	R19-26953	
WATER AND FUEL MIXTURE	JJK21107516	8/8	DM	208.00	100			6	1.000	IC-55	IC-55	R19-26953	

COMENTARIOS / COMMENTS

TIBOR METALICO / DRUM 200 LTS. (TM)
TIBOR PLASTICO / DRUM 200 LTS. (TP)
TIBOR CARTON / DRUM 200 LTS. (TC)
YARDA CUBICA / CUBIC YARD (CC)
BOLSA / BAG (B)
MUESTRA / SAMPLE(M)
TOTE 1000 Lts. (TT)
SUPER SACO / SUPER SACK (55)
GALON / GALLON (GAL)
CUBETA METALICA / PAIL (CM)
CUBETA PLASTICA / PAIL (CP)
PACA / BALE (PC)
PORRON / BARROW 20 ITS (PP)
PORRON / BARROW 50 Lts. (PP)
OTRO

FIRMA DEL GENERADOR / GENERATOR	TRANSPORTISTA / TRANSPORTER	TECNICO DE CAMPO / FIELD TECH	TECNICO DE PLANTA RTM/ RTM TECH / DATE

GENERADOR EN ESTE DOCUMENTO MANIFIESTO QUE LOS RESIDUOS ENTREGADOS CUMPLEN CON LAS CARACTERISTICAS DE LOS PERFILES PARA SU TRATAMIENTO Y DISPOSICION EN RECICLADORA TEMARRY DE MEXICO S.A. DE C.V. DE NO SER ASI, APRUEBO DISCREPANCIAS

EN CASO DE DERRAME, FUGA, INCENDIO, EXPLOSION, O EN DONDE SE INVOLUCREN PRODUCTOS QUIMICOS LLAME AL DEPTO. DE BOMBEROS (066) O SETIQ. 01-800-00-214-00

TEMARRY RECYCLING, INC.

EPA ID#CAR000194217

CERTIFICATE OF RECYCLING

THIS IS TO CERTIFY THAT THE WASTE DESCRIBED ON

MANIFEST #: **21107516 JJK**

FROM: **CITY OF BURLINGAME PUBLIC WORKS**

HAS BEEN RECEIVED & PROCESSED AT:

RECICLADORA TEMARRY DE MEXICO, S.A. DE C.V.

ACCORDING TO ALL FEDERAL, STATE AND LOCAL REGULATIONS AND IN COMPLIANCE WITH THE NOTIFICATION OF INTENT TO EXPORT FILED WITH THE DEPARMENT OF TOXIC SUBSTANCE CONTROL AND THE U.S. EPA

MATT SONGER
PRESIDENT

October 21, 2019
DATE

APPENDIX C: RINSATE SAMPLE ANALYTICAL REPORTS

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1909575

Report Created for: All Clean Hazardous Waste Removal

21 Great Oaks Boulevard
San Jose, CA 95119

Project Contact: Derek Janich
Project P.O.:
Project: Burligame Police Dept. UST

Project Received: 09/12/2019

Analytical Report reviewed & approved for release on 09/13/2019 by:

Susan Thompson
Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: All Clean Hazardous Waste Removal
Project: Burligame Police Dept. UST
WorkOrder: 1909575

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
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
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
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: All Clean Hazardous Waste Removal
Project: Burligame Police Dept. UST
WorkOrder: 1909575

Analytical Qualifiers

d1	Weakly modified or unmodified gasoline is significant

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Analytical Report

Client:	All Clean Hazardous Waste Removal	**WorkOrder:**	1909575
Date Received:	9/12/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	9/13/19	**Analytical Method:**	SW8021B/8015Bm
Project:	Burligame Police Dept. UST	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
GT-1	1909575-001A	Water	09/12/2019 12:45	GC7 09121939.D	185249

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**150**	50	1	09/13/2019 04:30
MTBE	ND	5.0	1	09/13/2019 04:30
Benzene	**4.0**	0.50	1	09/13/2019 04:30
Toluene	**21**	0.50	1	09/13/2019 04:30
Ethylbenzene	**2.4**	0.50	1	09/13/2019 04:30
m,p-Xylene	**9.5**	1.0	1	09/13/2019 04:30
o-Xylene	**3.8**	0.50	1	09/13/2019 04:30
Xylenes	**13**	0.50	1	09/13/2019 04:30

Surrogates	REC (%)	Limits	
aaa-TFT	103	76-115	09/13/2019 04:30

Analyst(s): HD Analytical Comments: d1

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Quality Control Report

Client:	All Clean Hazardous Waste Removal	**WorkOrder:**	1909575
Date Prepared:	9/12/19	**BatchID:**	185249
Date Analyzed:	9/12/19	**Extraction Method:**	SW5030B
Instrument:	GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	Burligame Police Dept. UST	**Sample ID:**	MB/LCS/LCSD-185249

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	20	50	-	-	-
MTBE	ND	1.2	5.0	-	-	-
Benzene	ND	0.20	0.50	-	-	-
Toluene	ND	0.19	0.50	-	-	-
Ethylbenzene	ND	0.23	0.50	-	-	-
m,p-Xylene	ND	0.40	1.0	-	-	-
o-Xylene	ND	0.13	0.50	-	-	-
Surrogate Recovery						
aaa-TFT	8.5			10	85	74-117

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	48	51	60	80	85	78-116	6.87	20
MTBE	11	11	10	107	109	72-122	2.01	20
Benzene	11	11	10	112	114	81-123	2.03	20
Toluene	12	12	10	117	118	83-129	1.20	20
Ethylbenzene	11	11	10	107	110	88-126	2.53	20
m,p-Xylene	23	23	20	115	117	80-120	1.91	20
o-Xylene	11	11	10	109	110	80-120	1.28	20
Surrogate Recovery								
aaa-TFT	10	10	10	104	104	74-117	0	20

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1909575 **ClientCode: ACHW**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ Dry-Weight

Report to:
Derek Janich
All Clean Hazardous Waste Removal
21 Great Oaks Boulevard
San Jose, CA 95119
(510) 520-9614 FAX: (408) 363-3774

Email: mdjanich1@comcast.net
cc/3rd Party:
PO:
Project: Burligame Police Dept. UST

Bill to:
Sarah McDonald
All Clean Hazardous Waste Removal
21 Great Oaks Boulevard
San Jose, CA 95119
smcdonald@allcleanhaz.com

Requested TAT: 1 day;

Date Received: **09/12/2019**
Date Logged: **09/12/2019**

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
1909575-001	GT-1	Water	9/12/2019 12:45	☐	A	A										

Test Legend:

1	G-MBTEX_W	2	PRDisposal Fee	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Angela Rydelius

Prepared by: Kena Ponce

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.

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WORK ORDER SUMMARY

Client Name: ALL CLEAN HAZARDOUS WASTE REMOVAL **Project:** Burligame Police Dept. UST **Work Order:** 1909575
Client Contact: Derek Janich **QC Level:** LEVEL 2
Contact's Email: mdjanich1@comcast.net **Comments:** **Date Logged:** 9/12/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☐ 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
1909575-001A	GT-1	Water	SW8021B/8015Bm (G/MBTEX)	2	VOA w/ HCl	☐	9/12/2019 12:45	1 day	Present	☐	

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 ROAD
PITTSBURG, CA 94565-1701
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Telephone: (877) 252-9262 Fax: (925) 252-9269

1909575

Rush!

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ■ 24 HR ☐ 48 ☐ 72 HR

GeoTracker EDF ☐ PDF ☐ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: M. Derek Janich	Bill To:All Clean Haz Removal Inc.
Company: All Clean Haz Removal Inc.	
21 Great Oaks Blvd.	
San Jose, Ca 95119	E-Mail:djanich@Allcleanhaz.com
Tele: (408) 499-5274	Fax: ( )
Project #:	Project Name: Burlingame Police Dept. UST
Project Location: Burlingame, CA	
Sampler Signature: *M. Derek Janich*	

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY 8260 B	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	8260 (VOCs) TPH-g BTEX, MTBE,ETBE,DIPE, TAME, TBA, 1,2-DCA, CLHC	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 PCB & Créosote & PAHs & PCP	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other: Filter sample for DISSOLVED metals analysis	Other: Silica gel clean up	Comments
GT-1	Final rinsate in Gas UST 12K	9/12/19	12:45 pm	2	40 ml voa	x									x																		24 hr rush please! Looking for Monday results.
	/																																

**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: via email *M. Derek Janich*	9/12/19	Time: 2:pm	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 1.4
GOOD CONDITION_____
HEAD SPACE ABSENT_____
DECHLORINATED IN LAB_____
APPROPRIATE CONTAINERS_____

COMMENTS:

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Sample Receipt Checklist

Client Name:	**All Clean Hazardous Waste Removal**	Date and Time Received	**9/12/2019 14:00**
Project:	**Burlingame Police Dept. UST**	Date Logged:	**9/12/2019**
		Received by:	Kena Ponce
WorkOrder №:	**1909575** Matrix: Water	Logged by:	Kena Ponce
Carrier:	Laurie Moore (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	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

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	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 1.4°C				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; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1909706

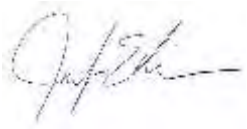
Report Created for: All Clean Hazardous Waste Removal

21 Great Oaks Boulevard
San Jose, CA 95119

Project Contact: Derek Janich
Project P.O.:
Project: Burlingame Police Dept. UST

Project Received: 09/16/2019

Analytical Report reviewed & approved for release on 09/18/2019 by:



Jennifer Lagerbom
Project 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.

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CA ELAP 1644 ♦ NELAP 4033 ORELAP

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Glossary of Terms & Qualifier Definitions

Client: All Clean Hazardous Waste Removal
Project: Burlingame Police Dept. UST
WorkOrder: 1909706

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
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
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
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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
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: All Clean Hazardous Waste Removal
Project: Burlingame Police Dept. UST
WorkOrder: 1909706

Analytical Qualifiers

e1	Unmodified or weakly modified diesel is significant
e7	Oil range compounds are significant
e8	Pattern resembles kerosene/kerosene range/jet fuel range

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Analytical Report

Client:	All Clean Hazardous Waste Removal	**WorkOrder:**	1909706
Date Received:	9/16/19 10:48	**Extraction Method:**	SW5030B
Date Prepared:	9/17/19	**Analytical Method:**	SW8021B/8015Bm
Project:	Burlingame Police Dept. UST	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
GT-1	1909706-001A	Water	09/13/2019 12:45	GC3 09161937.D	185437

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	50	1	09/17/2019 06:27
MTBE	ND	5.0	1	09/17/2019 06:27
Benzene	ND	0.50	1	09/17/2019 06:27
Toluene	ND	0.50	1	09/17/2019 06:27
Ethylbenzene	ND	0.50	1	09/17/2019 06:27
m,p-Xylene	ND	1.0	1	09/17/2019 06:27
o-Xylene	ND	0.50	1	09/17/2019 06:27
Xylenes	ND	0.50	1	09/17/2019 06:27

Surrogates	REC (%)	Limits	
aaa-TFT	90	76-115	09/17/2019 06:27

Analyst(s): IA

McCampbell Analytical, Inc.
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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	All Clean Hazardous Waste Removal	**WorkOrder:**	1909706
Date Received:	9/16/19 10:48	**Extraction Method:**	SW3510C
Date Prepared:	9/16/19	**Analytical Method:**	SW8015B
Project:	Burlingame Police Dept. UST	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
GT-1	1909706-001B	Water	09/13/2019 12:45	GC6B 09171921.D	185350

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**22,000**	500	10	09/17/2019 16:12

Surrogates	REC (%)	Limits	
C9	101	61-139	09/17/2019 16:12

Analyst(s): JIS Analytical Comments: e1,e7,e8

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Quality Control Report

Client:	All Clean Hazardous Waste Removal	**WorkOrder:**	1909706
Date Prepared:	9/16/19	**BatchID:**	185437
Date Analyzed:	9/16/19	**Extraction Method:**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	Burlingame Police Dept. UST	**Sample ID:**	MB/LCS/LCSD-185437

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	20	50	-	-	-
MTBE	ND	1.2	5.0	-	-	-
Benzene	ND	0.20	0.50	-	-	-
Toluene	ND	0.19	0.50	-	-	-
Ethylbenzene	ND	0.23	0.50	-	-	-
m,p-Xylene	ND	0.40	1.0	-	-	-
o-Xylene	ND	0.13	0.50	-	-	-
Surrogate Recovery						
aaa-TFT	8.7			10	87	74-117

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	62	64	60	103	107	78-116	3.56	20
MTBE	9.6	9.6	10	96	96	72-122	0	20
Benzene	9.9	9.8	10	99	98	81-123	0.971	20
Toluene	10	10	10	103	102	83-129	0.913	20
Ethylbenzene	10	10	10	102	102	88-126	0	20
m,p-Xylene	21	20	20	103	102	80-120	0.571	20
o-Xylene	10	9.8	10	100	98	80-120	1.27	20
Surrogate Recovery								
aaa-TFT	8.8	8.9	10	88	89	74-117	0.375	20

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Quality Control Report

Client:	All Clean Hazardous Waste Removal	**WorkOrder:**	1909706
Date Prepared:	9/16/19	**BatchID:**	185350
Date Analyzed:	9/17/19	**Extraction Method:**	SW3510C
Instrument:	GC9b	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	Burlingame Police Dept. UST	**Sample ID:**	MB/LCS/LCSD-185350

QC Report for SW8015D w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	35	50	-	-	-
TPH-Motor Oil (C18-C36)	ND	140	250	-	-	-
Surrogate Recovery						
C9	570			625	92	68-127

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1100	1000	1000	111	104	86-142	6.59	20
Surrogate Recovery								
C9	570	570	625	91	91	68-127	0	20

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1909706 **ClientCode: ACHW**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ Dry-Weight

Report to:
Derek Janich
All Clean Hazardous Waste Removal
21 Great Oaks Boulevard
San Jose, CA 95119
(510) 520-9614 FAX: (408) 363-3774

Email: mdjanich1@comcast.net
cc/3rd Party:
PO:
Project: Burlingame Police Dept. UST

Bill to:
Sarah McDonald
All Clean Hazardous Waste Removal
21 Great Oaks Boulevard
San Jose, CA 95119
smcdonald@allcleanhaz.com

Requested TAT: 3 days;

Date Received: **09/16/2019**
Date Logged: **09/16/2019**

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
1909706-001	GT-1	Water	9/13/2019 12:45	☐	A	A	B									

Test Legend:

1	G-MBTEX_W	2	PRDisposal Fee	3	TPH(D)_W	4	
5		6		7		8	
9		10		11		12	

Project Manager: Angela Rydelius

Prepared by: Tina Perez

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.

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WORK ORDER SUMMARY

Client Name: ALL CLEAN HAZARDOUS WASTE REMOVAL **Project:** Burlingame Police Dept. UST **Work Order:** 1909706
Client Contact: Derek Janich **QC Level:** LEVEL 2
Contact's Email: mdjanich1@comcast.net **Comments:** **Date Logged:** 9/16/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☐ 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
1909706-001A	GT-1	Water	SW8021B/8015Bm (G/MBTEX)	1	VOA w/ HCL	☐	9/13/2019 12:45	3 days	Trace	☐	
1909706-001B	GT-1	Water	SW8015B (Diesel)	1	VOA w/ HCL	☐	9/13/2019 12:45	3 days	Trace	☐	

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.

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RUSH!

CHAIN OF CUSTODY RECORD

1909706

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☒ 72 HR

GeoTracker EDF ☐ PDF ☐ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: M. Derek Janich	Bill To: All Clean Haz Removal Inc.
Company: All Clean Haz Removal Inc.	
21 Great Oaks Blvd.	
San Jose, Ca 95119	E-Mail: djanich@Allcleanhaz.com
Tele: (408) 499-5274	Fax: ( )
Project #:	Project Name: Burlingame Police Dept. UST
Project Location: Burlingame, CA	
Sampler Signature: M. Derek Janich	

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY 8260 B	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	8260 (VOCs) TPH-g BTEX, MTBE,ETBE,DIPE, TAME, TBA, 1,2-DCA, CLHC	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 PCB & Créosote & PAHs & PCP	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other: Filter sample for DISSOLVED metals analysis	Other: Silica gel clean up	Other	Comments
(+)																																		
GT-1	Final rinsate Deisel UST 4K	9/13/19	12:45 pm	2	40 ml voa	x									x	x																	72hr rush please! Looking for Monday results.
	/																																	

**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: via email M. Derek Janich	9/16/19	Time: 7am	Received By:
Relinquished By:	Date: 9/16	Time: 10:48	Received By:

ICE/t° 9.1 WG
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS

COMMENTS:

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Sample Receipt Checklist

Client Name:	**All Clean Hazardous Waste Removal**	Date and Time Received:	**9/16/2019 10:48**
Project:	**Burlingame Police Dept. UST**	Date Logged:	**9/16/2019**
		Received by:	Tina Perez
WorkOrder №:	**1909706** Matrix: Water	Logged by:	Tina Perez
Carrier:	Client Drop-In		

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	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

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	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 9.1°C				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; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

APPENDIX D: CONFIRMATION SAMPLING ANALYTICAL REPORTS

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1910692

Report Created for: Woodard & Curran

2175 North California Blvd., Suite 315
Walnut Creek, CA 94596

Project Contact: Kevin Almestad
Project P.O.:
Project: 0231468.01; Burlingame UST Removal and Soil Sampling
Project Received: 10/15/2019

Analytical Report reviewed & approved for release on 10/22/2019 by:

Christine Askari
Project Manager

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Glossary of Terms & Qualifier Definitions

Client: Woodard & Curran
Project: 0231468.01; Burlingame UST Removal and Soil Sampling
WorkOrder: 1910692

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
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
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
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Woodard & Curran
Project: 0231468.01; Burlingame UST Removal and Soil Sampling
WorkOrder: 1910692

Analytical Qualifiers

S	Spike recovery outside accepted recovery limits
a9	Reporting limit near, but not identical to, our standard reporting limit due to variable Encore/Solid sample weight
c2	Surrogate recovery outside of the control limits due to matrix interference.

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.
F3	The surrogate standard recovery and/or RPD is outside of acceptance limits.

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Analytical Report

Client:	Woodard & Curran	**WorkOrder:**	1910692
Date Received:	10/15/19 17:50	**Extraction Method:**	SW5035
Date Prepared:	10/15/19	**Analytical Method:**	SW8260B
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Unit:**	mg/Kg

Volatile Organics [Encore Sampling]

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DT-1	1910692-001B	Soil	10/15/2019 13:25	GC18 10211921.D	187088

Analytes	Result	RL	DF	Date Analyzed
Benzene	ND	0.010	1	10/21/2019 20:01
cis-1,2-Dichloroethene	ND	0.010	1	10/21/2019 20:01
trans-1,2-Dichloroethene	ND	0.010	1	10/21/2019 20:01
Ethanol	**4.2**	1.0	1	10/21/2019 20:01
Ethylbenzene	ND	0.010	1	10/21/2019 20:01
Naphthalene	ND	0.010	1	10/21/2019 20:01
Tetrachloroethene	ND	0.010	1	10/21/2019 20:01
Toluene	ND	0.010	1	10/21/2019 20:01
Trichloroethene	ND	0.010	1	10/21/2019 20:01
Vinyl Chloride	ND	0.010	1	10/21/2019 20:01
m,p-Xylene	ND	0.010	1	10/21/2019 20:01
o-Xylene	ND	0.010	1	10/21/2019 20:01
Xylenes, Total	ND	0.010	1	10/21/2019 20:01

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	91		82-131	10/21/2019 20:01
Toluene-d8	87	S	94-144	10/21/2019 20:01
4-BFB	83		77-135	10/21/2019 20:01
Benzene-d6	88		57-131	10/21/2019 20:01
Ethylbenzene-d10	95		68-147	10/21/2019 20:01
1,2-DCB-d4	82		59-99	10/21/2019 20:01

Analyst(s): AK Analytical Comments: a9,c2

(Cont.)

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Analytical Report

Client:	Woodard & Curran	**WorkOrder:**	1910692
Date Received:	10/15/19 17:50	**Extraction Method:**	SW5035
Date Prepared:	10/15/19	**Analytical Method:**	SW8260B
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Unit:**	mg/Kg

Volatile Organics [Encore Sampling]

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DT-2	1910692-002B	Soil	10/15/2019 13:38	GC18 10211922.D	187088

Analytes	Result	RL	DF	Date Analyzed
Benzene	ND	0.0093	1	10/21/2019 20:42
cis-1,2-Dichloroethene	ND	0.0093	1	10/21/2019 20:42
trans-1,2-Dichloroethene	ND	0.0093	1	10/21/2019 20:42
Ethanol	**3.1**	0.93	1	10/21/2019 20:42
Ethylbenzene	ND	0.0093	1	10/21/2019 20:42
Naphthalene	ND	0.0093	1	10/21/2019 20:42
Tetrachloroethene	ND	0.0093	1	10/21/2019 20:42
Toluene	ND	0.0093	1	10/21/2019 20:42
Trichloroethene	ND	0.0093	1	10/21/2019 20:42
Vinyl Chloride	ND	0.0093	1	10/21/2019 20:42
m,p-Xylene	ND	0.0093	1	10/21/2019 20:42
o-Xylene	ND	0.0093	1	10/21/2019 20:42
Xylenes, Total	ND	0.0093	1	10/21/2019 20:42

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	91		82-131	10/21/2019 20:42
Toluene-d8	88	S	94-144	10/21/2019 20:42
4-BFB	82		77-135	10/21/2019 20:42
Benzene-d6	94		57-131	10/21/2019 20:42
Ethylbenzene-d10	103		68-147	10/21/2019 20:42
1,2-DCB-d4	89		59-99	10/21/2019 20:42

Analyst(s): AK Analytical Comments: a9,c2

(Cont.)

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Analytical Report

Client:	Woodard & Curran	**WorkOrder:**	1910692
Date Received:	10/15/19 17:50	**Extraction Method:**	SW5035
Date Prepared:	10/15/19	**Analytical Method:**	SW8260B
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Unit:**	mg/Kg

Volatile Organics [Encore Sampling]

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DT-3	1910692-003B	Soil	10/15/2019 14:12	GC18 10221914.D	187088

Analytes	Result	RL	DF	Date Analyzed
Benzene	ND	0.028	1	10/22/2019 15:34
cis-1,2-Dichloroethene	ND	0.028	1	10/22/2019 15:34
trans-1,2-Dichloroethene	ND	0.028	1	10/22/2019 15:34
Ethanol	ND	2.8	1	10/22/2019 15:34
Ethylbenzene	ND	0.028	1	10/22/2019 15:34
Naphthalene	ND	0.028	1	10/22/2019 15:34
Tetrachloroethene	ND	0.028	1	10/22/2019 15:34
Toluene	ND	0.028	1	10/22/2019 15:34
Trichloroethene	ND	0.028	1	10/22/2019 15:34
Vinyl Chloride	ND	0.028	1	10/22/2019 15:34
m,p-Xylene	ND	0.028	1	10/22/2019 15:34
o-Xylene	ND	0.028	1	10/22/2019 15:34
Xylenes, Total	ND	0.028	1	10/22/2019 15:34

Surrogates	REC (%)	Limits	
Dibromofluoromethane	92	82-131	10/22/2019 15:34
Toluene-d8	94	94-144	10/22/2019 15:34
4-BFB	97	77-135	10/22/2019 15:34
Benzene-d6	75	57-131	10/22/2019 15:34
Ethylbenzene-d10	86	68-147	10/22/2019 15:34
1,2-DCB-d4	74	59-99	10/22/2019 15:34

Analyst(s): TK Analytical Comments: a9

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Analytical Report

Client:	Woodard & Curran	**WorkOrder:**	1910692
Date Received:	10/15/19 17:50	**Extraction Method:**	SW3550B
Date Prepared:	10/15/19	**Analytical Method:**	SW8015B
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DT-1	1910692-001A	Soil	10/15/2019 13:25	GC6B 10181965.D	187158

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/19/2019 21:28

Surrogates	REC (%)	Limits	
C9	87	74-123	10/19/2019 21:28

Analyst(s): JIS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DT-2	1910692-002A	Soil	10/15/2019 13:38	GC6B 10181979.D	187158

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/20/2019 02:01

Surrogates	REC (%)	Limits	
C9	87	74-123	10/20/2019 02:01

Analyst(s): JIS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DT-3	1910692-003A	Soil	10/15/2019 14:12	GC6B 10181981.D	187158

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/20/2019 02:40

Surrogates	REC (%)	Limits	
C9	86	74-123	10/20/2019 02:40

Analyst(s): JIS

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Quality Control Report

Client:	Woodard & Curran	**WorkOrder:**	1910692
Date Prepared:	10/14/19	**BatchID:**	187088
Date Analyzed:	10/16/19	**Extraction Method:**	SW5035
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Sample ID:**	MB/LCS/LCSD-187088

QC Summary Report for SW8260B (Encore)

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	0.078	0.20	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0020	0.010	-	-	-
Benzene	ND	0.0032	0.010	-	-	-
Bromobenzene	ND	0.0034	0.010	-	-	-
Bromochloromethane	ND	0.0030	0.010	-	-	-
Bromodichloromethane	ND	0.0024	0.010	-	-	-
Bromoform	ND	0.0016	0.010	-	-	-
Bromomethane	ND	0.0040	0.010	-	-	-
2-Butanone (MEK)	ND	0.011	0.040	-	-	-
t-Butyl alcohol (TBA)	ND	0.011	0.10	-	-	-
n-Butyl benzene	ND	0.0070	0.010	-	-	-
sec-Butyl benzene	ND	0.0068	0.010	-	-	-
tert-Butyl benzene	ND	0.0060	0.010	-	-	-
Carbon Disulfide	ND	0.0034	0.010	-	-	-
Carbon Tetrachloride	ND	0.0034	0.010	-	-	-
Chlorobenzene	ND	0.0036	0.010	-	-	-
Chloroethane	ND	0.0032	0.010	-	-	-
Chloroform	ND	0.0032	0.010	-	-	-
Chloromethane	ND	0.0034	0.010	-	-	-
2-Chlorotoluene	ND	0.0044	0.010	-	-	-
4-Chlorotoluene	ND	0.0042	0.010	-	-	-
Dibromochloromethane	ND	0.0022	0.010	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.0024	0.0080	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0026	0.0080	-	-	-
Dibromomethane	ND	0.0028	0.010	-	-	-
1,2-Dichlorobenzene	ND	0.0028	0.010	-	-	-
1,3-Dichlorobenzene	ND	0.0036	0.010	-	-	-
1,4-Dichlorobenzene	ND	0.0036	0.010	-	-	-
Dichlorodifluoromethane	ND	0.0022	0.010	-	-	-
1,1-Dichloroethane	ND	0.0034	0.010	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0028	0.010	-	-	-
1,1-Dichloroethene	ND	0.0034	0.010	-	-	-
cis-1,2-Dichloroethene	ND	0.0030	0.010	-	-	-
trans-1,2-Dichloroethene	ND	0.0032	0.010	-	-	-
1,2-Dichloropropane	ND	0.0028	0.010	-	-	-
1,3-Dichloropropane	ND	0.0032	0.010	-	-	-
2,2-Dichloropropane	ND	0.0026	0.010	-	-	-
1,1-Dichloropropene	ND	0.0036	0.010	-	-	-

(Cont.)

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Quality Control Report

Client:	Woodard & Curran	**WorkOrder:**	1910692
Date Prepared:	10/14/19	**BatchID:**	187088
Date Analyzed:	10/16/19	**Extraction Method:**	SW5035
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Sample ID:**	MB/LCS/LCSD-187088

QC Summary Report for SW8260B (Encore)

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.0030	0.010	-	-	-
trans-1,3-Dichloropropene	ND	0.0028	0.010	-	-	-
Diisopropyl ether (DIPE)	ND	0.0028	0.010	-	-	-
Ethylbenzene	ND	0.0040	0.010	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0026	0.010	-	-	-
Freon 113	ND	0.0032	0.010	-	-	-
Hexachlorobutadiene	ND	0.010	0.010	-	-	-
Hexachloroethane	ND	0.0050	0.010	-	-	-
2-Hexanone	ND	0.0050	0.010	-	-	-
Isopropylbenzene	ND	0.0044	0.010	-	-	-
4-Isopropyl toluene	ND	0.0062	0.010	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0026	0.010	-	-	-
Methylene chloride	ND	0.0072	0.010	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.0016	0.010	-	-	-
Naphthalene	ND	0.0012	0.010	-	-	-
n-Propyl benzene	ND	0.0058	0.010	-	-	-
Styrene	ND	0.0028	0.010	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.0032	0.010	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.0026	0.010	-	-	-
Tetrachloroethene	ND	0.0046	0.010	-	-	-
Toluene	ND	0.0044	0.010	-	-	-
1,2,3-Trichlorobenzene	ND	0.0014	0.010	-	-	-
1,2,4-Trichlorobenzene	ND	0.0022	0.010	-	-	-
1,1,1-Trichloroethane	ND	0.0036	0.010	-	-	-
1,1,2-Trichloroethane	ND	0.0032	0.010	-	-	-
Trichloroethene	ND	0.0034	0.010	-	-	-
Trichlorofluoromethane	ND	0.0032	0.010	-	-	-
1,2,3-Trichloropropane	ND	0.0038	0.010	-	-	-
1,2,4-Trimethylbenzene	ND	0.0048	0.010	-	-	-
1,3,5-Trimethylbenzene	ND	0.0054	0.010	-	-	-
Vinyl Chloride	ND	0.0030	0.010	-	-	-
m,p-Xylene	ND	0.0040	0.010	-	-	-
o-Xylene	ND	0.0018	0.010	-	-	-

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Quality Control Report

Client:	Woodard & Curran	**WorkOrder:**	1910692
Date Prepared:	10/14/19	**BatchID:**	187088
Date Analyzed:	10/16/19	**Extraction Method:**	SW5035
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Sample ID:**	MB/LCS/LCSD-187088

QC Summary Report for SW8260B (Encore)

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	0.20			0.25	80,F3	85-129
Toluene-d8	0.29			0.25	114	98-136
4-BFB	0.020			0.025	79,F3	83-137
Benzene-d6	0.18			0.2	91	67-135
Ethylbenzene-d10	0.24			0.2	122	81-152
1,2-DCB-d4	0.14			0.2	69	61-112

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Quality Control Report

Client:	Woodard & Curran	**WorkOrder:**	1910692
Date Prepared:	10/14/19	**BatchID:**	187088
Date Analyzed:	10/16/19	**Extraction Method:**	SW5035
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Sample ID:**	MB/LCS/LCSD-187088

QC Summary Report for SW8260B (Encore)

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	0.47	0.43	0.40	117	107	65-143	9.03	20
tert-Amyl methyl ether (TAME)	0.032	0.030	0.040	80	74	55-119	7.91	20
Benzene	0.037	0.035	0.040	93	87	64-131	7.11	20
Bromobenzene	0.036	0.034	0.040	91	85	66-132	6.54	20
Bromochloromethane	0.033	0.031	0.040	82	77	66-123	6.39	20
Bromodichloromethane	0.031	0.029	0.040	78	73	63-121	6.30	20
Bromoform	0.021	0.019	0.040	52	48,F2	50-92	6.32	20
Bromomethane	0.042	0.038	0.040	106	96	42-146	9.48	20
2-Butanone (MEK)	0.17	0.16	0.16	108	100	59-127	7.25	20
t-Butyl alcohol (TBA)	0.14	0.13	0.16	87	79	54-132	8.72	20
n-Butyl benzene	0.072	0.082	0.040	179	205,F2	91-188	13.4	20
sec-Butyl benzene	0.061	0.057	0.040	153	144	89-186	6.56	20
tert-Butyl benzene	0.047	0.045	0.040	117	113	83-180	3.47	20
Carbon Disulfide	0.037	0.033	0.040	91	83	59-149	8.92	20
Carbon Tetrachloride	0.033	0.031	0.040	83	78	66-139	7.02	20
Chlorobenzene	0.035	0.033	0.040	87	82	65-127	5.88	20
Chloroethane	0.044	0.040	0.040	109	100	41-142	8.61	20
Chloroform	0.036	0.034	0.040	91	84	73-124	7.33	20
Chloromethane	0.045	0.042	0.040	112	104	28-144	7.20	20
2-Chlorotoluene	0.046	0.042	0.040	115	105	76-152	9.40	20
4-Chlorotoluene	0.044	0.042	0.040	110	105	71-148	5.42	20
Dibromochloromethane	0.030	0.028	0.040	74	69	63-105	6.82	20
1,2-Dibromo-3-chloropropane	0.016	0.015	0.020	81	74	42-115	9.36	20
1,2-Dibromoethane (EDB)	0.017	0.016	0.020	85	80	66-126	6.80	20
Dibromomethane	0.031	0.029	0.040	78	73	63-116	5.76	20
1,2-Dichlorobenzene	0.032	0.030	0.040	81	76	59-107	6.29	20
1,3-Dichlorobenzene	0.040	0.038	0.040	101	95	74-131	6.27	20
1,4-Dichlorobenzene	0.038	0.035	0.040	94	87	67-125	7.90	20
Dichlorodifluoromethane	0.016	0.015	0.040	39	37	9-81	6.23	20
1,1-Dichloroethane	0.037	0.034	0.040	93	86	71-129	7.53	20
1,2-Dichloroethane (1,2-DCA)	0.035	0.033	0.040	88	82	66-122	6.84	20
1,1-Dichloroethene	0.036	0.033	0.040	89	83	59-134	7.42	20
cis-1,2-Dichloroethene	0.035	0.032	0.040	87	80	63-135	8.21	20
trans-1,2-Dichloroethene	0.033	0.031	0.040	84	78	54-140	7.33	20
1,2-Dichloropropane	0.035	0.033	0.040	88	82	65-127	7.00	20
1,3-Dichloropropane	0.037	0.035	0.040	93	87	62-135	6.95	20
2,2-Dichloropropane	0.037	0.035	0.040	93	87	69-145	7.27	20
1,1-Dichloropropene	0.037	0.034	0.040	92	85	66-138	7.82	20

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Quality Control Report

Client:	Woodard & Curran	**WorkOrder:**	1910692
Date Prepared:	10/14/19	**BatchID:**	187088
Date Analyzed:	10/16/19	**Extraction Method:**	SW5035
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Sample ID:**	MB/LCS/LCSD-187088

QC Summary Report for SW8260B (Encore)

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.038	0.036	0.040	96	89	65-141	7.74	20
trans-1,3-Dichloropropene	0.038	0.036	0.040	96	89	66-126	7.86	20
Diisopropyl ether (DIPE)	0.038	0.036	0.040	96	90	70-119	7.03	20
Ethylbenzene	0.038	0.036	0.040	95	89	79-138	6.75	20
Ethyl tert-butyl ether (ETBE)	0.036	0.034	0.040	91	85	69-119	7.37	20
Freon 113	0.031	0.028	0.040	77	70	50-122	8.88	20
Hexachlorobutadiene	0.043	0.041	0.040	108	101	81-188	6.55	20
Hexachloroethane	0.049	0.045	0.040	122	113	78-155	7.41	20
2-Hexanone	0.030	0.028	0.040	76	70	48-107	7.48	20
Isopropylbenzene	0.054	0.050	0.040	136	125	71-169	8.33	20
4-Isopropyl toluene	0.058	0.053	0.040	144	133	88-172	8.34	20
Methyl-t-butyl ether (MTBE)	0.036	0.033	0.040	89	83	63-121	6.18	20
Methylene chloride	0.034	0.031	0.040	86	77	62-133	11.3	20
4-Methyl-2-pentanone (MIBK)	0.034	0.031	0.040	84	78	50-109	7.02	20
Naphthalene	0.023	0.021	0.040	56	52	29-69	7.78	20
n-Propyl benzene	0.054	0.050	0.040	135	126	81-181	7.42	20
Styrene	0.031	0.030	0.040	78	74	62-129	5.25	20
1,1,1,2-Tetrachloroethane	0.032	0.030	0.040	80	75	74-130	6.85	20
1,1,2,2-Tetrachloroethane	0.039	0.036	0.040	99	90	42-126	9.38	20
Tetrachloroethene	0.036	0.034	0.040	90	84	72-153	7.17	20
Toluene	0.041	0.038	0.040	102	94	70-140	7.58	20
1,2,3-Trichlorobenzene	0.021	0.020	0.040	54	50	33-87	6.51	20
1,2,4-Trichlorobenzene	0.029	0.027	0.040	73	67	46-109	8.61	20
1,1,1-Trichloroethane	0.035	0.033	0.040	87	82	72-135	5.97	20
1,1,2-Trichloroethane	0.035	0.032	0.040	87	79	60-130	8.73	20
Trichloroethene	0.032	0.030	0.040	81	75	57-146	6.99	20
Trichlorofluoromethane	0.032	0.030	0.040	80	75	52-130	7.22	20
1,2,3-Trichloropropane	0.022	0.020	0.020	112	101	65-130	10.0	20
1,2,4-Trimethylbenzene	0.056	0.051	0.040	140	126	83-156	10.1	20
1,3,5-Trimethylbenzene	0.057	0.052	0.040	142	130	86-167	8.93	20
Vinyl Chloride	0.021	0.020	0.020	106	98	33-141	8.06	20
m,p-Xylene	0.070	0.067	0.080	87	83	70-141	4.72	20
o-Xylene	0.034	0.033	0.040	86	81	74-130	5.65	20

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Quality Control Report

Client:	Woodard & Curran	**WorkOrder:**	1910692
Date Prepared:	10/14/19	**BatchID:**	187088
Date Analyzed:	10/16/19	**Extraction Method:**	SW5035
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Sample ID:**	MB/LCS/LCSD-187088

QC Summary Report for SW8260B (Encore)

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	0.20	0.20	0.25	79,F3	80,F3	85-129	1.37	20
Toluene-d8	0.29	0.29	0.25	116	114	98-136	1.70	20
4-BFB	0.021	0.020	0.025	83	82,F3	83-137	1.35	20
Benzene-d6	0.21	0.19	0.20	107	97	67-135	9.05	20
Ethylbenzene-d10	0.33	0.27	0.20	163,F3	137	81-152	17.2	20
1,2-DCB-d4	0.16	0.15	0.20	78	74	61-112	5.40	20

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Quality Control Report

Client:	Woodard & Curran	**WorkOrder:**	1910692
Date Prepared:	10/15/19	**BatchID:**	187158
Date Analyzed:	10/17/19	**Extraction Method:**	SW3550B
Instrument:	GC11B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Sample ID:**	MB/LCS/LCSD-187158

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.83	1.0	-	-	-
Surrogate Recovery						
C9	25			25	101	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	44	45	40	110	114	75-128	3.20	30
Surrogate Recovery								
C9	25	25	25	99	101	72-122	2.10	30

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1910692 **ClientCode: WCWC**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☒ EQuIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☒ Dry-Weight

Report to:
Kevin Almestad
Woodard & Curran
2175 North California Blvd., Suite 315
Walnut Creek, CA 94596
(925) 627-4125 FAX:

Email: kalmestad@woodardcurran.com
cc/3rd Party: jstrandberg@woodardcurran.com;
PO:
Project: 0231468.01; Burlingame UST Removal and Soil Sampling

Bill to:
Jim Strandberg
Woodard & Curran
2175 North California Blvd., Suite 315
Walnut Creek, CA 94596
jstrandberg@woodardcurran.com

Requested TAT: 5 days;

Date Received: **10/15/2019**
Date Logged: **10/15/2019**

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
1910692-001	DT-1	Soil	10/15/2019 13:25	☐	B	A	A		A							
1910692-002	DT-2	Soil	10/15/2019 13:38	☐	B	A			A							
1910692-003	DT-3	Soil	10/15/2019 14:12	☐	B	A			A							
1910692-004	SP-1	Soil	10/15/2019 14:45	☑		A		A								

Test Legend:

1	8260B_E	2	PRDisposal Fee	3	PREDF REPORT	4	PRHOLD
5	TPH(D)_S	6		7		8	
9		10		11		12	

Project Manager: Angela Rydelius

Prepared by: Agustina Venegas

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.

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WORK ORDER SUMMARY

Client Name: WOODARD & CURRAN
Client Contact: Kevin Almestad
Contact's Email: kalmestad@woodardcurran.com

Project: 0231468.01; Burlingame UST Removal and Soil Sampling
Comments:

Work Order: 1910692
QC Level: LEVEL 2
Date Logged: 10/15/2019

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ EQuIS ☐ 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
1910692-001A	DT-1	Soil	SW8015B (Diesel)	1	Stainless Steel tube 2"x6"	☐	10/15/2019 13:25	5 days		☐	
1910692-001B	DT-1	Soil	SW8260B (VOCs) (Encore) <Benzene, cis-1,2-Dichloroethene, Ethanol, Ethylbenzene, m,p-Xylene, Naphthalene, o-Xylene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, Trichloroethene, Vinyl Chloride, Xylenes, Total>	1	Encore Sampler	☐	10/15/2019 13:25	5 days		☐	
1910692-002A	DT-2	Soil	SW8015B (Diesel)	1	Stainless Steel tube 2"x6"	☐	10/15/2019 13:38	5 days		☐	
1910692-002B	DT-2	Soil	SW8260B (VOCs) (Encore) <Benzene, cis-1,2-Dichloroethene, Ethanol, Ethylbenzene, m,p-Xylene, Naphthalene, o-Xylene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, Trichloroethene, Vinyl Chloride, Xylenes, Total>	1	Encore Sampler	☐	10/15/2019 13:38	5 days		☐	
1910692-003A	DT-3	Soil	SW8015B (Diesel)	1	Stainless Steel tube 2"x6"	☐	10/15/2019 14:12	5 days		☐	
1910692-003B	DT-3	Soil	SW8260B (VOCs) (Encore) <Benzene, cis-1,2-Dichloroethene, Ethanol, Ethylbenzene, m,p-Xylene, Naphthalene, o-Xylene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, Trichloroethene, Vinyl Chloride, Xylenes, Total>	1	Encore Sampler	☐	10/15/2019 14:12	5 days		☐	

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.

General COC

MAI Work Order # 1910e92

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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: PDF ● | GeoTracker EDF ● | EDD | Write On (DW) | EQuIS

Report To: Kevin Almestad/Jim Strandberg Bill To: Jim Strandberg
Company: Woodard & Curran
Email: kalmestad@woodardcurran.com
Alt Email: jstrandberg@woodardcurran.com Tele: 925-330-9267
Project Name: Burlingame UST Removal and Soil Sampling Project #:0231468.01
Project Location: 1111 Trousdale Drive, Burlingame, CA 94010 PO #
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	Analysis Requested: TPH-d (8015)	BTEX (8260)	Naphthalene (8260)	PCE/TCE (8260)	cis-1,2-DCE (8260)	trans-1,2-DCE (8260)	vinyl chloride (8260)	ethanol (8260)	Lead (6010B)
DT-1	10/15/19	13:25	2	S		X	X	X	X	X	X	X	X	
DT-2		13:38	2	S		X	X	X	X	X	X	X	X	
DT-3		14:12	2	S		X	X	X	X	X	X	X	X	
SP-1		14:45	1	S										X

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.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
Woodard & Curran	10/15/19	14:50		10/15	
	10/18/19	1750		10/15/19	1750

Comments / Instructions
GeoTracker Global ID # T10000011134
★ Please provide TPH chromatogram ★
★ SP-1 on hold ★

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 1.2 °C Initials WET

Page 1 of 1

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Sample Receipt Checklist

Client Name:	**Woodard & Curran**	Date and Time Received:	**10/15/2019 17:50**
Project:	**0231468.01; Burlingame UST Removal and Soil Sampling**	Date Logged:	**10/15/2019**
		Received by:	Agustina Venegas
WorkOrder №:	**1910692** Matrix: Soil	Logged by:	Agustina Venegas
Carrier:	Benjamin Yslas (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	☑	
COC agrees with Quote?	Yes	☐	No	☐	NA ☑

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	☑	NA ☐
Samples Received on Ice?	Yes	☑	No	☐	
(Ice Type: WET ICE)					
Sample/Temp Blank temperature	Temp: 1.2°C				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; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
UCMR Samples:					
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA ☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1909B38

Report Created for: Woodard & Curran

2175 North California Blvd., Suite 315
Walnut Creek, CA 94596

Project Contact: Kevin Almestad
Project P.O.:
Project: 0231468.01; Burlingame UST Removal and Soil Sampling
Project Received: 09/24/2019

Analytical Report reviewed & approved for release on 10/01/2019 by:

Christine Askari
Project Manager

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: Woodard & Curran
Project: 0231468.01; Burlingame UST Removal and Soil Sampling
WorkOrder: 1909B38

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
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
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
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Woodard & Curran
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WorkOrder: 1909B38

Analytical Qualifiers

S	Spike recovery outside accepted recovery limits
a9	Reporting limit near, but not identical to, our standard reporting limit due to variable Encore/Solid sample weight
c7	Surrogate value diluted out of range

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.
F3	The surrogate standard recovery and/or RPD is outside of acceptance limits.

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Analytical Report

Client:	Woodard & Curran	**WorkOrder:**	1909B38
Date Received:	9/24/19 15:50	**Extraction Method:**	SW5035
Date Prepared:	9/24/19	**Analytical Method:**	SW8260B
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Unit:**	mg/Kg

Volatile Organics [Encore Sampling]

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
GE-2	1909B38-001A	Soil	09/24/2019 11:40	GC16 09261913.D	185919

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.0089	1	09/26/2019 14:57
Benzene	ND	0.0089	1	09/26/2019 14:57
t-Butyl alcohol (TBA)	ND	0.089	1	09/26/2019 14:57
1,2-Dibromoethane (EDB)	ND	0.0071	1	09/26/2019 14:57
1,2-Dichloroethane (1,2-DCA)	ND	0.0089	1	09/26/2019 14:57
Diisopropyl ether (DIPE)	ND	0.0089	1	09/26/2019 14:57
Ethanol	**1.1**	0.89	1	09/26/2019 14:57
Ethylbenzene	ND	0.0089	1	09/26/2019 14:57
Ethyl tert-butyl ether (ETBE)	ND	0.0089	1	09/26/2019 14:57
Methyl-t-butyl ether (MTBE)	ND	0.0089	1	09/26/2019 14:57
Naphthalene	ND	0.0089	1	09/26/2019 14:57
Toluene	ND	0.0089	1	09/26/2019 14:57
m,p-Xylene	ND	0.0089	1	09/26/2019 14:57
o-Xylene	ND	0.0089	1	09/26/2019 14:57
Xylenes, Total	ND	0.0089	1	09/26/2019 14:57

Surrogates	REC (%)	Limits	
Dibromofluoromethane	85	82-131	09/26/2019 14:57
Toluene-d8	105	94-144	09/26/2019 14:57
4-BFB	91	77-135	09/26/2019 14:57
Benzene-d6	87	57-131	09/26/2019 14:57
Ethylbenzene-d10	104	68-147	09/26/2019 14:57
1,2-DCB-d4	69	59-99	09/26/2019 14:57

Analyst(s): AK Analytical Comments: a9

(Cont.)

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Analytical Report

Client:	Woodard & Curran	**WorkOrder:**	1909B38
Date Received:	9/24/19 15:50	**Extraction Method:**	SW5035
Date Prepared:	9/24/19	**Analytical Method:**	SW8260B
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Unit:**	mg/Kg

Volatile Organics [Encore Sampling]

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
GE-3	1909B38-002A	Soil	09/24/2019 11:45	GC16 09261914.D	185919

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	1.2	100	09/26/2019 15:39
Benzene	ND	1.2	100	09/26/2019 15:39
t-Butyl alcohol (TBA)	ND	12	100	09/26/2019 15:39
1,2-Dibromoethane (EDB)	ND	0.99	100	09/26/2019 15:39
1,2-Dichloroethane (1,2-DCA)	ND	1.2	100	09/26/2019 15:39
Diisopropyl ether (DIPE)	ND	1.2	100	09/26/2019 15:39
Ethanol	ND	120	100	09/26/2019 15:39
Ethylbenzene	**11**	1.2	100	09/26/2019 15:39
Ethyl tert-butyl ether (ETBE)	ND	1.2	100	09/26/2019 15:39
Methyl-t-butyl ether (MTBE)	ND	1.2	100	09/26/2019 15:39
Naphthalene	**4.7**	1.2	100	09/26/2019 15:39
Toluene	ND	1.2	100	09/26/2019 15:39
m,p-Xylene	**16**	1.2	100	09/26/2019 15:39
o-Xylene	ND	1.2	100	09/26/2019 15:39
Xylenes, Total	**16**	1.2	100	09/26/2019 15:39

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	89		82-131	09/26/2019 15:39
Toluene-d8	91	S	94-144	09/26/2019 15:39
4-BFB	75	S	77-135	09/26/2019 15:39
Benzene-d6	0	S	57-131	09/26/2019 15:39
Ethylbenzene-d10	0	S	68-147	09/26/2019 15:39
1,2-DCB-d4	0	S	59-99	09/26/2019 15:39

Analyst(s): AK Analytical Comments: a9,c7

(Cont.)

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Analytical Report

Client:	Woodard & Curran	**WorkOrder:**	1909B38
Date Received:	9/24/19 15:50	**Extraction Method:**	SW5035
Date Prepared:	9/24/19	**Analytical Method:**	SW8260B
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Unit:**	mg/Kg

Volatile Organics [Encore Sampling]

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
GE-1	1909B38-003A	Soil	09/24/2019 12:00	GC16 09261917.D	185919

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.013	1	09/26/2019 17:43
Benzene	ND	0.013	1	09/26/2019 17:43
t-Butyl alcohol (TBA)	ND	0.13	1	09/26/2019 17:43
1,2-Dibromoethane (EDB)	ND	0.010	1	09/26/2019 17:43
1,2-Dichloroethane (1,2-DCA)	ND	0.013	1	09/26/2019 17:43
cis-1,2-Dichloroethene	ND	0.013	1	09/26/2019 17:43
trans-1,2-Dichloroethene	ND	0.013	1	09/26/2019 17:43
Diisopropyl ether (DIPE)	ND	0.013	1	09/26/2019 17:43
Ethanol	**1.3**	1.3	1	09/26/2019 17:43
Ethylbenzene	ND	0.013	1	09/26/2019 17:43
Ethyl tert-butyl ether (ETBE)	ND	0.013	1	09/26/2019 17:43
Methyl-t-butyl ether (MTBE)	ND	0.013	1	09/26/2019 17:43
Naphthalene	ND	0.013	1	09/26/2019 17:43
Tetrachloroethene	ND	0.013	1	09/26/2019 17:43
Toluene	ND	0.013	1	09/26/2019 17:43
Trichloroethene	ND	0.013	1	09/26/2019 17:43
Vinyl Chloride	ND	0.013	1	09/26/2019 17:43
m,p-Xylene	ND	0.013	1	09/26/2019 17:43
o-Xylene	ND	0.013	1	09/26/2019 17:43
Xylenes, Total	ND	0.013	1	09/26/2019 17:43

Surrogates	REC (%)	Limits	
Dibromofluoromethane	86	82-131	09/26/2019 17:43
Toluene-d8	106	94-144	09/26/2019 17:43
4-BFB	93	77-135	09/26/2019 17:43
Benzene-d6	89	57-131	09/26/2019 17:43
Ethylbenzene-d10	107	68-147	09/26/2019 17:43
1,2-DCB-d4	72	59-99	09/26/2019 17:43

Analyst(s): AK Analytical Comments: a9

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Analytical Report

Client:	Woodard & Curran	**WorkOrder:**	1909B38
Date Received:	9/24/19 15:50	**Extraction Method:**	SW5035
Date Prepared:	9/24/19	**Analytical Method:**	SW8260B
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Unit:**	mg/Kg

Volatile Organics [Encore Sampling]

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
GE-4	1909B38-004A	Soil	09/24/2019 12:15	GC16 09271911.D	185919

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.0086	1	09/27/2019 13:13
Benzene	ND	0.0086	1	09/27/2019 13:13
t-Butyl alcohol (TBA)	ND	0.086	1	09/27/2019 13:13
1,2-Dibromoethane (EDB)	ND	0.0069	1	09/27/2019 13:13
1,2-Dichloroethane (1,2-DCA)	ND	0.0086	1	09/27/2019 13:13
Diisopropyl ether (DIPE)	ND	0.0086	1	09/27/2019 13:13
Ethanol	**1.0**	0.86	1	09/27/2019 13:13
Ethylbenzene	ND	0.0086	1	09/27/2019 13:13
Ethyl tert-butyl ether (ETBE)	ND	0.0086	1	09/27/2019 13:13
Methyl-t-butyl ether (MTBE)	ND	0.0086	1	09/27/2019 13:13
Naphthalene	ND	0.0086	1	09/27/2019 13:13
Toluene	ND	0.0086	1	09/27/2019 13:13
m,p-Xylene	ND	0.0086	1	09/27/2019 13:13
o-Xylene	ND	0.0086	1	09/27/2019 13:13
Xylenes, Total	ND	0.0086	1	09/27/2019 13:13

Surrogates	REC (%)	Limits	
Dibromofluoromethane	83	82-131	09/27/2019 13:13
Toluene-d8	109	94-144	09/27/2019 13:13
4-BFB	91	77-135	09/27/2019 13:13
Benzene-d6	91	57-131	09/27/2019 13:13
Ethylbenzene-d10	113	68-147	09/27/2019 13:13
1,2-DCB-d4	71	59-99	09/27/2019 13:13

Analyst(s): TK Analytical Comments: a9

(Cont.)

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Analytical Report

Client:	Woodard & Curran	**WorkOrder:**	1909B38
Date Received:	9/24/19 15:50	**Extraction Method:**	SW5035
Date Prepared:	9/24/19	**Analytical Method:**	SW8260B
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Unit:**	mg/Kg

Volatile Organics [Encore Sampling]

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1	1909B38-005A	Soil	09/24/2019 12:30	GC16 09271912.D	185919

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.011	1	09/27/2019 13:54
Benzene	ND	0.011	1	09/27/2019 13:54
t-Butyl alcohol (TBA)	ND	0.11	1	09/27/2019 13:54
1,2-Dibromoethane (EDB)	ND	0.0086	1	09/27/2019 13:54
1,2-Dichloroethane (1,2-DCA)	ND	0.011	1	09/27/2019 13:54
Diisopropyl ether (DIPE)	ND	0.011	1	09/27/2019 13:54
Ethanol	**1.3**	1.1	1	09/27/2019 13:54
Ethylbenzene	ND	0.011	1	09/27/2019 13:54
Ethyl tert-butyl ether (ETBE)	ND	0.011	1	09/27/2019 13:54
Methyl-t-butyl ether (MTBE)	ND	0.011	1	09/27/2019 13:54
Naphthalene	ND	0.011	1	09/27/2019 13:54
Toluene	ND	0.011	1	09/27/2019 13:54
m,p-Xylene	ND	0.011	1	09/27/2019 13:54
o-Xylene	ND	0.011	1	09/27/2019 13:54
Xylenes, Total	ND	0.011	1	09/27/2019 13:54

Surrogates	REC (%)	Limits	
Dibromofluoromethane	84	82-131	09/27/2019 13:54
Toluene-d8	109	94-144	09/27/2019 13:54
4-BFB	92	77-135	09/27/2019 13:54
Benzene-d6	99	57-131	09/27/2019 13:54
Ethylbenzene-d10	125	68-147	09/27/2019 13:54
1,2-DCB-d4	73	59-99	09/27/2019 13:54

Analyst(s): TK Analytical Comments: a9

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Analytical Report

Client:	Woodard & Curran	**WorkOrder:**	1909B38
Date Received:	9/24/19 15:50	**Extraction Method:**	SW5035
Date Prepared:	9/24/19	**Analytical Method:**	SW8260B
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Unit:**	mg/kg

TPH(g) [Encore Sampling]

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
GE-2	1909B38-001A	Soil	09/24/2019 11:40	GC16 09261913.D	185919

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	0.45	1	09/26/2019 14:57

Surrogates	REC (%)	Limits	
Dibromofluoromethane	95	70-130	09/26/2019 14:57
Benzene-D6	105	70-130	09/26/2019 14:57

Analyst(s): AK Analytical Comments: a9

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
GE-3	1909B38-002A	Soil	09/24/2019 11:45	GC16 09261914.D	185919

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**1400**	62	100	09/26/2019 15:39

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	97		70-130	09/26/2019 15:39
Benzene-D6	0	S	70-130	09/26/2019 15:39

Analyst(s): AK Analytical Comments: a9,c7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
GE-1	1909B38-003A	Soil	09/24/2019 12:00	GC16 09261917.D	185919

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	0.64	1	09/26/2019 17:43

Surrogates	REC (%)	Limits	
Dibromofluoromethane	95	70-130	09/26/2019 17:43
Benzene-D6	108	70-130	09/26/2019 17:43

Analyst(s): AK Analytical Comments: a9

(Cont.)

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Analytical Report

Client:	Woodard & Curran	**WorkOrder:**	1909B38
Date Received:	9/24/19 15:50	**Extraction Method:**	SW5035
Date Prepared:	9/24/19	**Analytical Method:**	SW8260B
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Unit:**	mg/kg

TPH(g) [Encore Sampling]

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
GE-4	1909B38-004A	Soil	09/24/2019 12:15	GC16 09271911.D	185919

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	0.43	1	09/27/2019 13:13

Surrogates	REC (%)	Limits	
Dibromofluoromethane	92	70-130	09/27/2019 13:13
Benzene-D6	110	70-130	09/27/2019 13:13

Analyst(s): TK Analytical Comments: a9

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1	1909B38-005A	Soil	09/24/2019 12:30	GC16 09271912.D	185919

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	0.54	1	09/27/2019 13:54

Surrogates	REC (%)	Limits	
Dibromofluoromethane	93	70-130	09/27/2019 13:54
Benzene-D6	120	70-130	09/27/2019 13:54

Analyst(s): TK Analytical Comments: a9

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Quality Control Report

Client:	Woodard & Curran	**WorkOrder:**	1909B38
Date Prepared:	9/24/19	**BatchID:**	185919
Date Analyzed:	9/24/19	**Extraction Method:**	SW5035
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Sample ID:**	MB/LCS/LCSD-185919

QC Summary Report for SW8260B (Encore)

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	0.078	0.20	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0020	0.010	-	-	-
Benzene	ND	0.0032	0.010	-	-	-
Bromobenzene	ND	0.0034	0.010	-	-	-
Bromochloromethane	ND	0.0030	0.010	-	-	-
Bromodichloromethane	ND	0.0024	0.010	-	-	-
Bromoform	ND	0.0016	0.010	-	-	-
Bromomethane	ND	0.0040	0.010	-	-	-
2-Butanone (MEK)	ND	0.011	0.040	-	-	-
t-Butyl alcohol (TBA)	ND	0.011	0.10	-	-	-
n-Butyl benzene	ND	0.0070	0.010	-	-	-
sec-Butyl benzene	ND	0.0068	0.010	-	-	-
tert-Butyl benzene	ND	0.0060	0.010	-	-	-
Carbon Disulfide	ND	0.0034	0.010	-	-	-
Carbon Tetrachloride	ND	0.0034	0.010	-	-	-
Chlorobenzene	ND	0.0036	0.010	-	-	-
Chloroethane	ND	0.0032	0.010	-	-	-
Chloroform	ND	0.0032	0.010	-	-	-
Chloromethane	ND	0.0034	0.010	-	-	-
2-Chlorotoluene	ND	0.0044	0.010	-	-	-
4-Chlorotoluene	ND	0.0042	0.010	-	-	-
Dibromochloromethane	ND	0.0022	0.010	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.0024	0.0080	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0026	0.0080	-	-	-
Dibromomethane	ND	0.0028	0.010	-	-	-
1,2-Dichlorobenzene	ND	0.0028	0.010	-	-	-
1,3-Dichlorobenzene	ND	0.0036	0.010	-	-	-
1,4-Dichlorobenzene	ND	0.0036	0.010	-	-	-
Dichlorodifluoromethane	ND	0.0022	0.010	-	-	-
1,1-Dichloroethane	ND	0.0034	0.010	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0028	0.010	-	-	-
1,1-Dichloroethene	ND	0.0034	0.010	-	-	-
cis-1,2-Dichloroethene	ND	0.0030	0.010	-	-	-
trans-1,2-Dichloroethene	ND	0.0032	0.010	-	-	-
1,2-Dichloropropane	ND	0.0028	0.010	-	-	-
1,3-Dichloropropane	ND	0.0032	0.010	-	-	-
2,2-Dichloropropane	ND	0.0026	0.010	-	-	-
1,1-Dichloropropene	ND	0.0036	0.010	-	-	-

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Quality Control Report

Client:	Woodard & Curran	**WorkOrder:**	1909B38
Date Prepared:	9/24/19	**BatchID:**	185919
Date Analyzed:	9/24/19	**Extraction Method:**	SW5035
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Sample ID:**	MB/LCS/LCSD-185919

QC Summary Report for SW8260B (Encore)

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.0030	0.010	-	-	-
trans-1,3-Dichloropropene	ND	0.0028	0.010	-	-	-
Diisopropyl ether (DIPE)	ND	0.0028	0.010	-	-	-
Ethylbenzene	ND	0.0040	0.010	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0026	0.010	-	-	-
Freon 113	ND	0.0032	0.010	-	-	-
Hexachlorobutadiene	ND	0.010	0.010	-	-	-
Hexachloroethane	ND	0.0050	0.010	-	-	-
2-Hexanone	ND	0.0050	0.010	-	-	-
Isopropylbenzene	ND	0.0044	0.010	-	-	-
4-Isopropyl toluene	ND	0.0062	0.010	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0026	0.010	-	-	-
Methylene chloride	ND	0.0072	0.010	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.0016	0.010	-	-	-
Naphthalene	ND	0.0012	0.010	-	-	-
n-Propyl benzene	ND	0.0058	0.010	-	-	-
Styrene	ND	0.0028	0.010	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.0032	0.010	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.0026	0.010	-	-	-
Tetrachloroethene	ND	0.0046	0.010	-	-	-
Toluene	ND	0.0044	0.010	-	-	-
1,2,3-Trichlorobenzene	ND	0.0014	0.010	-	-	-
1,2,4-Trichlorobenzene	ND	0.0022	0.010	-	-	-
1,1,1-Trichloroethane	ND	0.0036	0.010	-	-	-
1,1,2-Trichloroethane	ND	0.0032	0.010	-	-	-
Trichloroethene	ND	0.0034	0.010	-	-	-
Trichlorofluoromethane	ND	0.0032	0.010	-	-	-
1,2,3-Trichloropropane	ND	0.0038	0.010	-	-	-
1,2,4-Trimethylbenzene	ND	0.0048	0.010	-	-	-
1,3,5-Trimethylbenzene	ND	0.0054	0.010	-	-	-
Vinyl Chloride	ND	0.0030	0.010	-	-	-
m,p-Xylene	ND	0.0040	0.010	-	-	-
o-Xylene	ND	0.0018	0.010	-	-	-

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Quality Control Report

Client:	Woodard & Curran	**WorkOrder:**	1909B38
Date Prepared:	9/24/19	**BatchID:**	185919
Date Analyzed:	9/24/19	**Extraction Method:**	SW5035
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Sample ID:**	MB/LCS/LCSD-185919

QC Summary Report for SW8260B (Encore)

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	0.20			0.25	82,F3,F3	85-129
Toluene-d8	0.22			0.25	87,F3,F3	98-136
4-BFB	0.021			0.025	85	83-137
Benzene-d6	0.16			0.2	79	67-135
Ethylbenzene-d10	0.20			0.2	101	81-152
1,2-DCB-d4	0.16			0.2	81	61-112

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Quality Control Report

Client:	Woodard & Curran	**WorkOrder:**	1909B38
Date Prepared:	9/24/19	**BatchID:**	185919
Date Analyzed:	9/24/19	**Extraction Method:**	SW5035
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Sample ID:**	MB/LCS/LCSD-185919

QC Summary Report for SW8260B (Encore)

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	0.40	0.41	0.40	100	101	65-143	0.969	20
tert-Amyl methyl ether (TAME)	0.034	0.034	0.040	85	86	55-119	1.36	20
Benzene	0.032	0.033	0.040	81	84	64-131	2.90	20
Bromobenzene	0.034	0.036	0.040	84	89	66-132	6.06	20
Bromochloromethane	0.038	0.039	0.040	96	97	66-123	1.48	20
Bromodichloromethane	0.031	0.032	0.040	78	80	63-121	2.42	20
Bromoform	0.029	0.030	0.040	73	76	50-92	4.11	20
Bromomethane	0.030	0.028	0.040	74	71	42-146	3.88	20
2-Butanone (MEK)	0.15	0.15	0.16	93	95	59-127	2.72	20
t-Butyl alcohol (TBA)	0.11	0.11	0.16	67	68	54-132	1.65	20
n-Butyl benzene	0.041	0.043	0.040	104	107	91-188	3.08	20
sec-Butyl benzene	0.042	0.044	0.040	104	109	89-186	4.31	20
tert-Butyl benzene	0.040	0.041	0.040	99	104	83-180	4.32	20
Carbon Disulfide	0.030	0.031	0.040	74	77	59-149	4.06	20
Carbon Tetrachloride	0.033	0.034	0.040	83	86	66-139	4.30	20
Chlorobenzene	0.034	0.036	0.040	86	90	65-127	4.17	20
Chloroethane	0.025	0.026	0.040	62	65	41-142	5.26	20
Chloroform	0.035	0.037	0.040	89	92	73-124	3.61	20
Chloromethane	0.015	0.016	0.040	38	40	28-144	4.88	20
2-Chlorotoluene	0.038	0.040	0.040	95	99	76-152	4.28	20
4-Chlorotoluene	0.037	0.039	0.040	93	97	71-148	4.14	20
Dibromochloromethane	0.033	0.034	0.040	82	84	63-105	2.44	20
1,2-Dibromo-3-chloropropane	0.014	0.014	0.020	72	71	42-115	1.65	20
1,2-Dibromoethane (EDB)	0.017	0.017	0.020	83	86	66-126	3.86	20
Dibromomethane	0.031	0.032	0.040	78	80	63-116	2.79	20
1,2-Dichlorobenzene	0.029	0.030	0.040	74	75	59-107	2.27	20
1,3-Dichlorobenzene	0.035	0.036	0.040	88	90	74-131	1.97	20
1,4-Dichlorobenzene	0.034	0.036	0.040	86	89	67-125	3.24	20
Dichlorodifluoromethane	0.0064	0.0067	0.040	16	17	9-81	4.18	20
1,1-Dichloroethane	0.034	0.035	0.040	84	87	71-129	3.29	20
1,2-Dichloroethane (1,2-DCA)	0.034	0.035	0.040	86	88	66-122	2.28	20
1,1-Dichloroethene	0.030	0.032	0.040	76	79	59-134	3.66	20
cis-1,2-Dichloroethene	0.034	0.035	0.040	84	87	63-135	3.09	20
trans-1,2-Dichloroethene	0.032	0.034	0.040	81	84	54-140	4.01	20
1,2-Dichloropropane	0.033	0.033	0.040	82	84	65-127	2.41	20
1,3-Dichloropropane	0.035	0.036	0.040	88	89	62-135	1.91	20
2,2-Dichloropropane	0.034	0.035	0.040	85	88	69-145	2.48	20
1,1-Dichloropropene	0.033	0.034	0.040	82	85	66-138	3.23	20

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Quality Control Report

Client:	Woodard & Curran	**WorkOrder:**	1909B38
Date Prepared:	9/24/19	**BatchID:**	185919
Date Analyzed:	9/24/19	**Extraction Method:**	SW5035
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Sample ID:**	MB/LCS/LCSD-185919

QC Summary Report for SW8260B (Encore)

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.036	0.038	0.040	91	94	65-141	3.30	20
trans-1,3-Dichloropropene	0.036	0.037	0.040	89	92	66-126	3.05	20
Diisopropyl ether (DIPE)	0.032	0.033	0.040	80	82	70-119	2.11	20
Ethylbenzene	0.038	0.039	0.040	95	97	79-138	2.60	20
Ethyl tert-butyl ether (ETBE)	0.035	0.036	0.040	88	89	69-119	1.59	20
Freon 113	0.028	0.029	0.040	70	72	50-122	3.30	20
Hexachlorobutadiene	0.041	0.042	0.040	103	106	81-188	2.44	20
Hexachloroethane	0.038	0.039	0.040	94	97	78-155	3.32	20
2-Hexanone	0.031	0.032	0.040	79	80	48-107	2.25	20
Isopropylbenzene	0.038	0.040	0.040	96	100	71-169	4.36	20
4-Isopropyl toluene	0.042	0.043	0.040	104	108	88-172	3.60	20
Methyl-t-butyl ether (MTBE)	0.035	0.035	0.040	86	88	63-121	1.61	20
Methylene chloride	0.033	0.034	0.040	82	84	62-133	2.49	20
4-Methyl-2-pentanone (MIBK)	0.028	0.027	0.040	70	68	50-109	3.20	20
Naphthalene	0.021	0.019	0.040	53	47	29-69	11.0	20
n-Propyl benzene	0.042	0.044	0.040	106	111	81-181	4.30	20
Styrene	0.033	0.034	0.040	82	84	62-129	2.23	20
1,1,1,2-Tetrachloroethane	0.034	0.036	0.040	86	90	74-130	3.79	20
1,1,2,2-Tetrachloroethane	0.029	0.030	0.040	71	74	42-126	4.14	20
Tetrachloroethene	0.038	0.040	0.040	95	100	72-153	5.02	20
Toluene	0.038	0.039	0.040	95	98	70-140	3.10	20
1,2,3-Trichlorobenzene	0.023	0.022	0.040	56	54	33-87	4.72	20
1,2,4-Trichlorobenzene	0.026	0.025	0.040	64	63	46-109	1.43	20
1,1,1-Trichloroethane	0.034	0.035	0.040	85	88	72-135	3.02	20
1,1,2-Trichloroethane	0.033	0.034	0.040	82	85	60-130	3.73	20
Trichloroethene	0.034	0.035	0.040	86	87	57-146	2.15	20
Trichlorofluoromethane	0.028	0.030	0.040	71	74	52-130	4.74	20
1,2,3-Trichloropropane	0.017	0.017	0.020	85	87	65-130	2.30	20
1,2,4-Trimethylbenzene	0.039	0.040	0.040	98	101	83-156	3.20	20
1,3,5-Trimethylbenzene	0.041	0.042	0.040	102	105	86-167	3.63	20
Vinyl Chloride	0.0086	0.0088	0.020	43	44	33-141	2.19	20
m,p-Xylene	0.073	0.076	0.080	91	94	70-141	3.34	20
o-Xylene	0.036	0.037	0.040	90	92	74-130	2.12	20

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Quality Control Report

Client:	Woodard & Curran	**WorkOrder:**	1909B38
Date Prepared:	9/24/19	**BatchID:**	185919
Date Analyzed:	9/24/19	**Extraction Method:**	SW5035
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Sample ID:**	MB/LCS/LCSD-185919

QC Summary Report for SW8260B (Encore)

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	0.20	0.20	0.25	82,F3	82,F3	85-129	0	20
Toluene-d8	0.22	0.22	0.25	87,F3	87,F3	98-136	0	20
4-BFB	0.022	0.022	0.025	88	90	83-137	1.99	20
Benzene-d6	0.17	0.17	0.20	84	86	67-135	2.08	20
Ethylbenzene-d10	0.20	0.21	0.20	102	105	81-152	3.28	20
1,2-DCB-d4	0.16	0.16	0.20	80	82	61-112	2.36	20

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Quality Control Report

Client:	Woodard & Curran	**WorkOrder:**	1909B38
Date Prepared:	9/24/19	**BatchID:**	185919
Date Analyzed:	9/24/19 - 9/25/19	**Extraction Method:**	SW5035
Instrument:	GC10, GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	0231468.01; Burlingame UST Removal and Soil Sampling	**Sample ID:**	MB/LCS/LCSD-185919

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	**0.54**	0.50	0.50	-	-	-
Surrogate Recovery						
Dibromofluoromethane	0.23			0.25	93	70-130
Benzene-D6	0.23			0.2	116	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(g) (C6-C12)	2.4	2.7	2	122	133,F2	70-130	9.09	20
Surrogate Recovery								
Dibromofluoromethane	0.23	0.23	0.25	91	93	70-130	2.48	20
Benzene-D6	0.21	0.22	0.20	107	109	70-130	2.35	20

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1909B38 **ClientCode: WCWC**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☒ EQuIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☒ Dry-Weight

Report to:
Kevin Almestad
Woodard & Curran
2175 North California Blvd., Suite 315
Walnut Creek, CA 94596
(925) 627-4125 FAX:

Email: kalmestad@woodardcurran.com
cc/3rd Party: jstrandberg@woodardcurran.com;
PO:
Project: 0231468.01; Burlingame UST Removal and Soil Sampling

Bill to:
Jim Strandberg
Woodard & Curran
2175 North California Blvd., Suite 315
Walnut Creek, CA 94596
jstrandberg@woodardcurran.com

Requested TAT: 5 days;

Date Received: **09/24/2019**
Date Logged: **09/24/2019**

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
1909B38-001	GE-2	Soil	9/24/2019 11:40	☐	A	A	A									
1909B38-002	GE-3	Soil	9/24/2019 11:45	☐	A	A	A									
1909B38-003	GE-1	Soil	9/24/2019 12:00	☐	A	A	A									
1909B38-004	GE-4	Soil	9/24/2019 12:15	☐	A	A	A									
1909B38-005	SS-1	Soil	9/24/2019 12:30	☐	A	A	A									

Test Legend:

1	8260B_E	2	8260GAS_E	3	PRDisposal Fee	4	
5		6		7		8	
9		10		11		12	

Project Manager: Angela Rydelius **Prepared by: Lilly Ortiz**

The following SampIDs: 001A, 002A, 003A, 004A, 005A contain testgroup Gas8260_E.

Comments: added ethanol to all samples

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.

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WORK ORDER SUMMARY

Client Name: WOODARD & CURRAN
Client Contact: Kevin Almestad
Contact's Email: kalmestad@woodardcurran.com

Project: 0231468.01; Burlingame UST Removal and Soil Sampling
Comments: added ethanol to all samples

Work Order: 1909B38
QC Level: LEVEL 2
Date Logged: 9/24/2019

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ EQuIS ☐ 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
1909B38-001A	GE-2	Soil	TPH(g) & 8260 by P&T GCMS [Encore]	1	Encore Sampler	☐	9/24/2019 11:40	5 days		☐	
1909B38-002A	GE-3	Soil	TPH(g) & 8260 by P&T GCMS [Encore]	1	Encore Sampler	☐	9/24/2019 11:45	5 days		☐	
1909B38-003A	GE-1	Soil	TPH(g) & 8260 by P&T GCMS [Encore]	1	Encore Sampler	☐	9/24/2019 12:00	5 days		☐	
1909B38-004A	GE-4	Soil	TPH(g) & 8260 by P&T GCMS [Encore]	1	Encore Sampler	☐	9/24/2019 12:15	5 days		☐	
1909B38-005A	SS-1	Soil	TPH(g) & 8260 by P&T GCMS [Encore]	1	Encore Sampler	☐	9/24/2019 12:30	5 days		☐	

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.

General COC

MAI Work Order # 1909838

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: PDF ● | GeoTracker EDF ● | EDD | Write On (DW) | EQuIS

Report To: Kevin Almestad/Jim Strandberg Bill To: Jim Strandberg
Company: Woodard & Curran
Email: kalmestad@woodardcurran.com
Alt Email: jstrandberg@woodardcurran.com Tele: 925-330-9267
Project Name: Burlingame UST Removal and Soil Sampling Project #:0231468.01
Project Location: 1111 Trousdale Drive, Burlingame, CA 94010 PO #
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	Analysis Requested: VOCs + TPH-g (8260 B)	VOCs: BTEX, MTBE	TBA, DIPE, TAME	ETBE, EDB, EDC	Naphthalene, Ethanol.	CVOCs: PCE, TCE	VC, cis+trans-1,2-DCE
GE-2	9/24/19	11:40	1	S	1	X						
GE-3	9/24/19	11:45	1	S	1	X						
GE-1	9/24/19	1200	1	S	1	X						
GE-4	9/24/19	1215	1	S	1	X						
SS-1	9/24/19	1230	1	S	1	X						

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.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
Woodard & Curran, Inc.	9/24/19	1240	CAP	9/24/19	1240
CAP	9/24/19	1550			1550

Comments / Instructions
GeoTracker Global ID # T10000011134
Will email specific list of VOCs to report

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None VOC List updated 9/25/19

Temp 4.6 °C Initials

Page 1 of 1

General COC

MAI Work Order # 1909838

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:	PDF	●	GeoTracker EDF	●	EDD		Write On (DW)		EQuIS														

Report To: Kevin Almestad/Jim Strandberg Bill To: Jim Strandberg

Company: Woodard & Curran

Email: kalmestad@woodardcurran.com

Alt Email: jstrandberg@woodardcurran.com Tele: 925-330-9267

Project Name: Burlingame UST Removal and Soil Sampling Project #: 0231468.01

Project Location: 1111 Trousdale Drive, Burlingame, CA 94010 PO #

Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	Analysis Requested: VOCs + TPH-g (8260B)
GE-2	9/24/19	11:40	1	S	1	X
GE-3	9/24/19	11:45	1	S	1	X
GE-1	9/24/19	1200	1	S	1	X
GE-4	9/24/19	1215	1	S	1	X
SS-1	9/24/19	1230	1	S	1	X

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.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
Woodard & Curran, Inc.	9/24/19	1240	MAI	9/24/19	1240
MAI	9/24/19	1550			1550

Comments / Instructions

GeoTracker Global ID # T10000011134

will email specific list of VOCs to report

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 4.6°C Initials

Page 1 of 1

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	**Woodard & Curran**	Date and Time Received:	**9/24/2019 15:50**
Project:	**0231468.01; Burlingame UST Removal and Soil Sampling**	Date Logged:	**9/24/2019**
		Received by:	Lilly Ortiz
WorkOrder №:	**1909B38** Matrix: Soil	Logged by:	Lilly Ortiz
Carrier:	Lorenzo Perez (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	☑	
COC agrees with Quote?	Yes	☐	No	☐	NA ☑

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	☐	

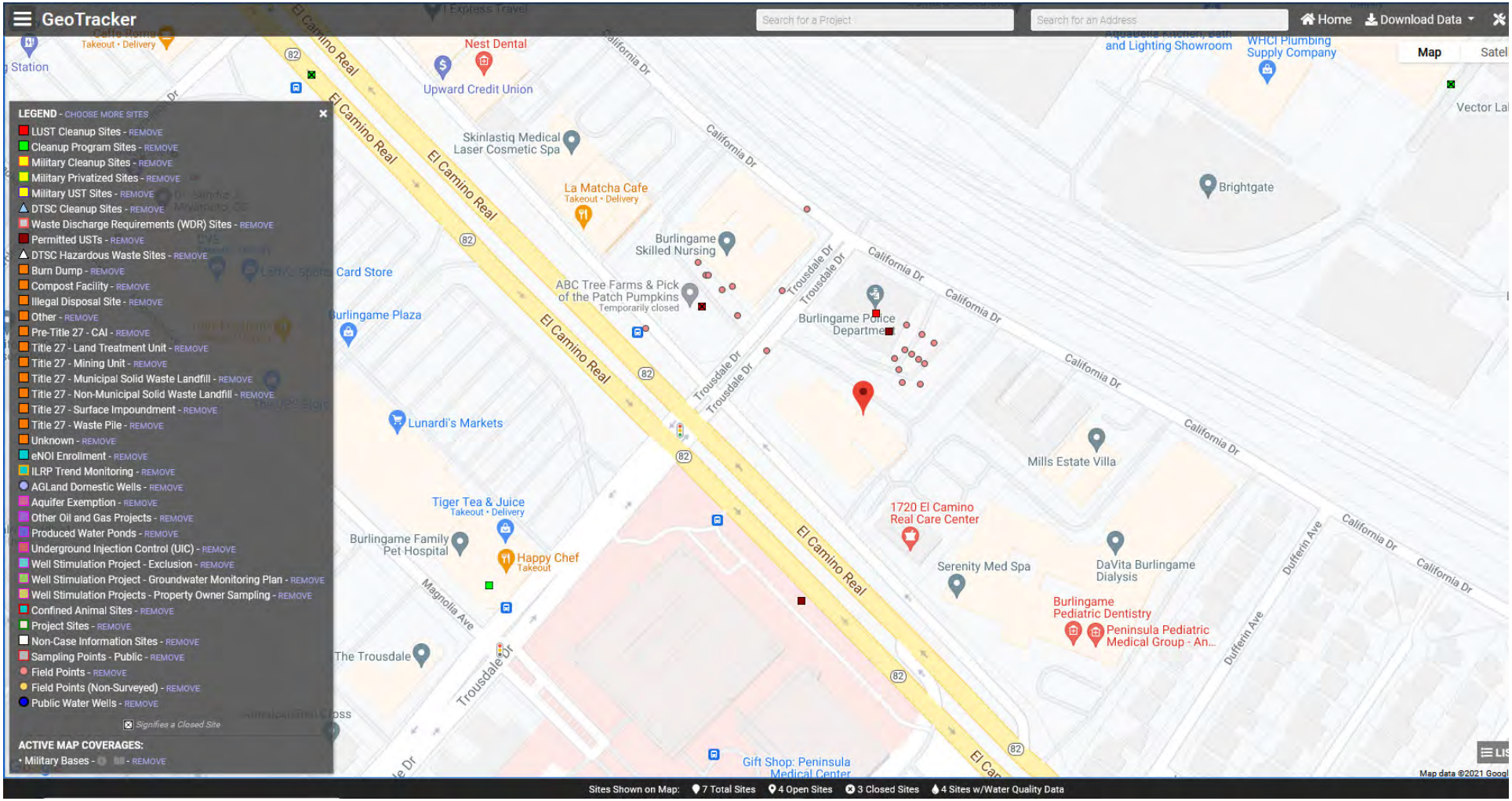
Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA ☐
Samples Received on Ice?	Yes	☑	No	☐	
(Ice Type: WET ICE)					
Sample/Temp Blank temperature	Temp: 4.6°C				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; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
UCMR Samples:					
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA ☑

Comments:

woodardcurran.com

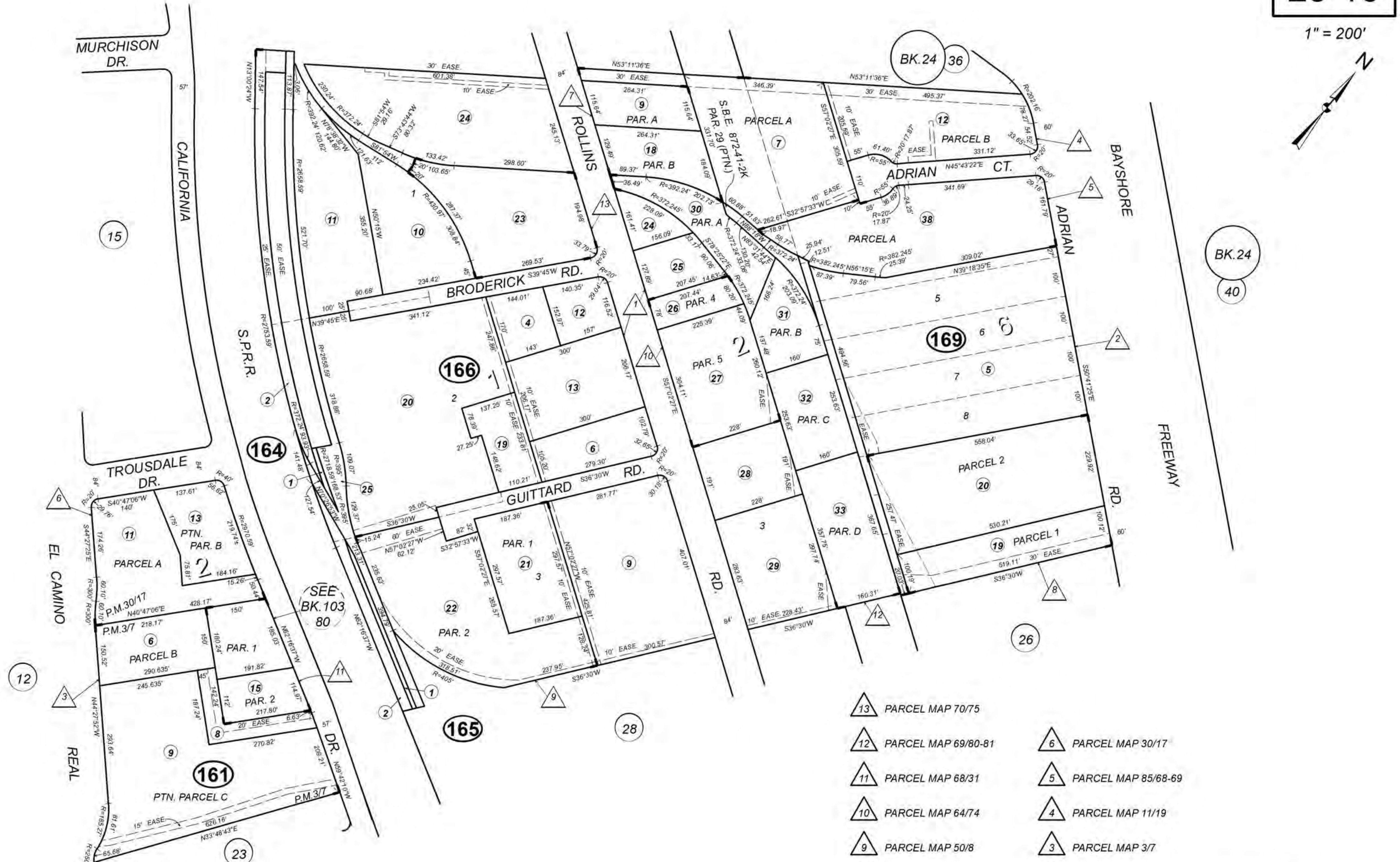
COMMITMENT & INTEGRITY DRIVE RESULTS


GeoTracker
Search for a Project
Search for an Address
Home
Download Data
Map
Satel
LEGEND - CHOOSE MORE SITES
LUST Cleanup Sites - REMOVE
Cleanup Program Sites - REMOVE
Military Cleanup Sites - REMOVE
Military Privatized Sites - REMOVE
Military UST Sites - REMOVE
DTSC Cleanup Sites - REMOVE
Waste Discharge Requirements (WDR) Sites - REMOVE
Permitted USTs - REMOVE
DTSC Hazardous Waste Sites - REMOVE
Burn Dump - REMOVE
Compost Facility - REMOVE
Illegal Disposal Site - REMOVE
Other - REMOVE
Pre-Title 27 - CAI - REMOVE
Title 27 - Land Treatment Unit - REMOVE
Title 27 - Mining Unit - REMOVE
Title 27 - Municipal Solid Waste Landfill - REMOVE
Title 27 - Non-Municipal Solid Waste Landfill - REMOVE
Title 27 - Surface Impoundment - REMOVE
Title 27 - Waste Pile - REMOVE
Unknown - REMOVE
eNOI Enrollment - REMOVE
ILRP Trend Monitoring - REMOVE
AGLand Domestic Wells - REMOVE
Aquifer Exemption - REMOVE
Other Oil and Gas Projects - REMOVE
Produced Water Ponds - REMOVE
Underground Injection Control (UIC) - REMOVE
Well Stimulation Project - Exclusion - REMOVE
Well Stimulation Project - Groundwater Monitoring Plan - REMOVE
Well Stimulation Projects - Property Owner Sampling - REMOVE
Confined Animal Sites - REMOVE
Project Sites - REMOVE
Non-Case Information Sites - REMOVE
Sampling Points - Public - REMOVE
Field Points - REMOVE
Field Points (Non-Surveyed) - REMOVE
Public Water Wells - REMOVE
Signifies a Closed Site
ACTIVE MAP COVERAGES:
Military Bases - REMOVE
El Camino Real
California Dr
Trousdale Dr
Magnolia Ave
Dufferin Ave
Nest Dental
Upward Credit Union
Skinlastiq Medical Laser Cosmetic Spa
La Matcha Cafe
Takeout • Delivery
Burlingame Skilled Nursing
ABC Tree Farms & Pick of the Patch Pumpkins
Temporarily closed
Burlingame Plaza
Lunardi's Markets
Tiger Tea & Juice
Takeout • Delivery
Burlingame Family Pet Hospital
Happy Chef
Takeout
The Trousdale
Gift Shop: Peninsula Medical Center
Brightgate
Burlingame Police Departme
Mills Estate Villa
1720 El Camino Real Care Center
Serenity Med Spa
DaVita Burlingame Dialysis
Burlingame Pediatric Dentistry
Peninsula Pediatric Medical Group - An...
Vector La
Sites Shown on Map: 7 Total Sites 4 Open Sites 3 Closed Sites 4 Sites w/Water Quality Data
Map data ©2021 Googl

INTERVIEW DOCUMENTATION

25-16

1" = 200'



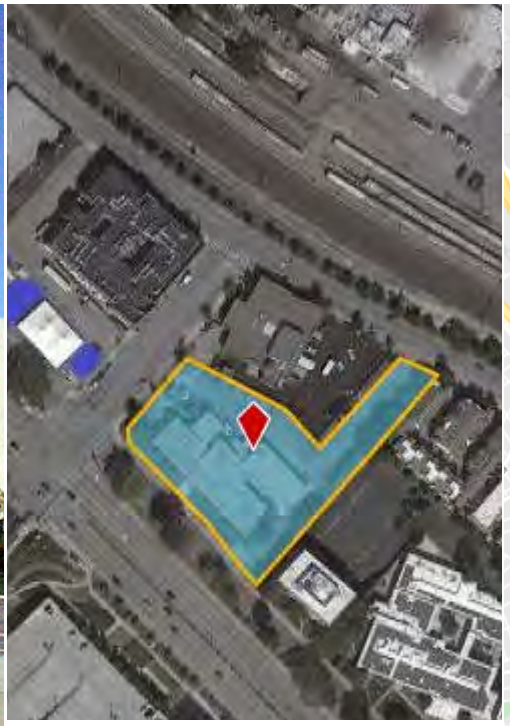
- 13 PARCEL MAP 70/75
- 12 PARCEL MAP 69/80-81
- 11 PARCEL MAP 68/31
- 10 PARCEL MAP 64/74
- 9 PARCEL MAP 50/8
- 8 PARCEL MAP 46/27
- 7 PARCEL MAP 41/3-4
- 6 PARCEL MAP 30/17
- 5 PARCEL MAP 85/68-69
- 4 PARCEL MAP 11/19
- 3 PARCEL MAP 3/7
- 2 MILLSDALE INDUSTRIAL PARK NO. 3 RSM 41/45-46
- 1 MILLSDALE INDUSTRIAL PARK NO. 1 RSM 39/49-50

PROPERTY RECORD

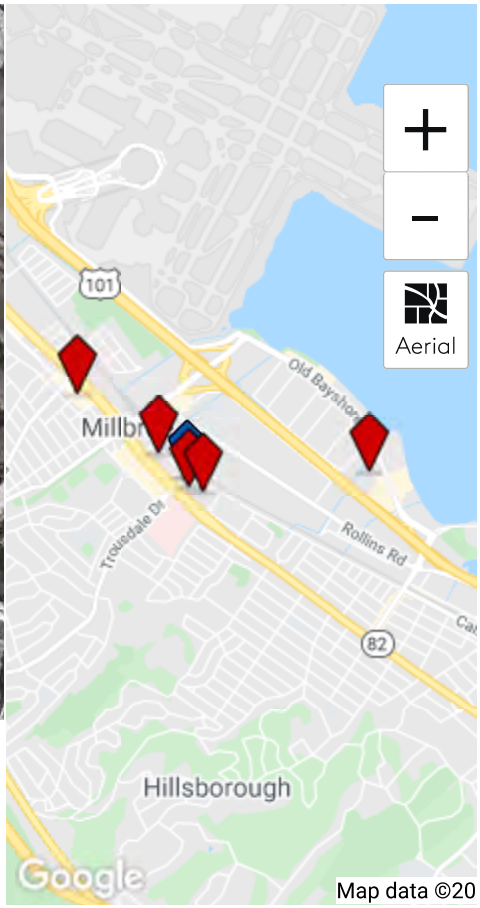
This page contains information about the property located at 1766 El Camino Real, Burlingame, CA, 94010.

1766 El Camino Real, Burlingame, CA 94010

Building Photo



1766 El Camino Real, Burlingame, CA Parcel Map



NEARBY LISTINGS FOR SALE OR LEASE

273 Broadway
Millbrae, CA 94030
$2,380,000
3,295 SF
RETAIL

851 Burlway Rd
Burlingame, CA 94010
$35,000,000
64,740 SF
OFFICE

1699 El Camino Real
Millbrae, CA 94030
$3,990,000
9,000 SF
OFFICE

345 Lorton Ave
Burlingame, CA 94010
$1,188,888
950 SF
OFFICE

1750 El Camino Real
Burlingame, CA 94010
$2.65/SF/Mo
1,735 SF Avail
OFFICE

1720 El Camino Real
Burlingame, CA 94010
$4.50/SF/Mo
1,062 - 5,088 SF Avail
OFFICE

1860 El Camino Real
Burlingame, CA 94010
$3.65/SF/Mo
805 - 1,671 SF Avail
OFFICE

View all Burlingame listings for sale on LoopNet.com

VIEW ALL

PROPERTY DETAIL

Information for the property located at 1766 El Camino Real Burlingame, CA includes data gathered from San Mateo County tax records, public records data providers and LoopNet historical data records.

Address	1766 El Camino Real
Land Use	Office Building
Legal Description	PARCEL A 1.704 AC MOL PARCEL MAP VOL 30/17
Zoning	CL00C1
County	San Mateo
Flood Zone	111390624 0
State	California
Tax Year	2020
Lot Size	1.7040
Tax Code Area	004002
Submarket	Burlingame
Assessed Year	2020
Market	San Francisco
Census	6050001004
CBSA	San Francisco-Redwood City-South San Francisco, CA
TOTAL SQ FT	32,625

APN/Parcel ID	025-161-110

DEMOGRAPHICS

	1 MILE	3 MILE	5 MILE
2021 Total Population	16,866	88,608	195,153
2026 Population	16,854	88,204	194,916
Pop Growth 2021-2026	(0.07%)	(0.46%)	(0.12%)
Average Age	42	41	41
2021 Total Households	6,326	34,546	72,723
HH Growth 2021-2026	(0.11%)	(0.54%)	(0.13%)
Median Household Inc	$172,894	$144,328	$135,340
Avg Household Size	2.50	2.50	2.60
2021 Avg HH Vehicles	2.00	2.00	2.00
Median Home Value	$1,136,702	$1,084,355	$1,076,081
Median Year Built	1956	1957	1959

NEARBY PLACES

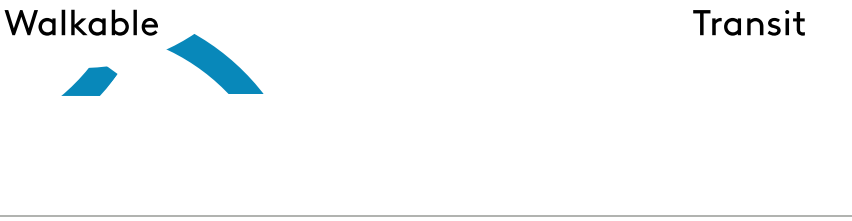
RESTAURANTS	BANKS
SHOPS	FITNESS
GROCERIES	

WALK SCORE ®

85

TRANSIT SCORE ®

0



PUBLIC TRANSPORTATION

TRANSIT/SUBWAY	DRIVE	WALK	DISTANCE
Millbrae Bart Station (Dublin/Pleasanton - Millbrae, Richmond - Millbrae)	3 min	11 min	0.5 mi

COMMUTER RAIL	DRIVE	WALK	DISTANCE
Millbrae Commuter Rail (Caltrain)	2 min	14 min	0.5 mi
Broadway Commuter Rail (Caltrain)	4 min		1.6 mi

AIRPORT	DRIVE	WALK	DISTANCE
San Francisco International Airport	8 min		3.0 mi
Oakland International Airport	41 min		30.7 mi
San José International Airport	41 min		31.7 mi

FREIGHT PORTS	DRIVE	WALK	DISTANCE
Port of Redwood City	22 min		14.5 mi

NEARBY PROPERTIES

ADDRESS	LAND USE	TOTAL SQ FT	LOT SIZE	ZONING

1111 Trousdale Dr, Burlingame, CA	Commercial/Industrial	0.942 AC	CL00C1
1750 El Camino Real, Burlingame, CA	Office Building 34020	0.98 AC	CL00C1
1810 El Camino Real, Burlingame, CA	Vacant Land (Nec)	0.56 AC	CL00C1
1100 Trousdale Dr, Burlingame, CA	Nursing Home	0.83 AC	CL00C1
1733 California Dr, Burlingame, CA	Nursing Home	0.526 AC	CL00C1
1818 El Camino Real, Burlingame, CA	Vacant Land (Nec)	0.1577 AC	CL00C1
1720 El Camino Real, Burlingame, CA	Office Building 104327	3.72 AC	CL00C1
1828 El Camino Real, Burlingame, CA	Office Building 62520	0.9246 AC	C10000
1800 Magnolia Ave, Burlingame, CA	Store Building	0.98 AC	CL00C1
1783 El Camino Real, Burlingame, CA	Hospital	20.8375 AC	

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Burlingame Office Space for Sale

Burlingame Retail Space for Lease

Burlingame Retail Space for Sale

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Austin Office Space

Baltimore Office Space

Birmingham Office Space

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Los Angeles Office Space

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Orlando Office Space

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DATA GAP WORKSHEET

DATA GAP WORKSHEET

Project or Property Name: Carmel Partners – ECR, Burlingame, California
Project Number: 575-1840

Requirement	Status			Other Sources of Information	SDG*
Category Activity	N/A	Complete	Incomplete	**Reference Source(s) Obtained or What Sources PSI Used to Try to Close Data Gap**	**Blank if None**
User Responsibilities					
User Knowledge and Information		☐	☒		
Environmental Lien and AUL Information		☐	☒		
PSI Obtained Environmental Lien/AUL Search on Behalf of Client (YES or NO)		NO			
PSI Obtained Chain-of-Title on Behalf of Client (YES or NO)		NO			
Environmental Records Review					
Standard Environmental Records Source Information		☒	☐		
Discretionary or Local Environmental Records Source Information	☐	☒	☐		
Physical Setting Sources Review					
Standard Physical Setting Record Information (topo map)		☒	☐		
Additional Physical Setting Record Information	☐	☒	☐		
Historical Data Sources Review					
Property History Identified to 1940		☒	☐		
Property History Identified to First Developed Use		☒	☐		
Gaps of >5 Years in Historical Data Sources		☐	☒	Based on research completed, not an issue.	
Surrounding Property History Information		☒	☐		

DATA GAP WORKSHEET

Project or Property Name: Carmel Partners – ECR, Burlingame, California
Project Number: 575-1840

Requirement	Status			Other Sources of Information	SDG*
Category Activity	**N/A**	**Complete**	**Incomplete**	**Reference Source(s) Obtained or What Sources PSI Used to Try to Close Data Gap**	**Blank if None**
Site Reconnaissance					
Observations: Exterior areas of the Subject Property		☒	☐		
Observations: Interior of Buildings on the Subject Property	☐	☒	☐		
Current and Past Uses of the Subject Property		☒	☐		
Observations: Adjoining Property		☒	☐		
Current and Past Uses of the Adjoining Property		☒	☐		
Uses of the Surrounding Property		☒	☐		
Interviews (with…)					
Current Owner		☒	☐		
Identified Key Site Manager	☐	☒	☐		
Non-Residential Major Occupants	☐	☒	☐		
Occupants with Operations Likely to Indicate RECs	☐	☒	☐		
Past Owners, Operators, and/or Occupants	☐	☐	☒	Based on research completed, not an issue	
If Subject Property Abandoned or Vacant, Owner or Occupants of Neighboring Properties	☒	☐	☐		
State or Local Government Official		☒	☐		

DATA GAP WORKSHEET

Project or Property Name: Carmel Partners – ECR, Burlingame, California
Project Number: 575-1840

Requirement	Status			Other Sources of Information	SDG*
Category Activity	**N/A**	**Complete**	**Incomplete**	**Reference Source(s) Obtained or What Sources PSI Used to Try to Close Data Gap**	**Blank if None**
FOIAs (to…)					
Comments and Explanations Regarding Incomplete Data					

*** SDG = Significant Data Gap.**

PERSONNEL QUALIFICATIONS

Kassandra O. Idowu

Professional Service Industries, Inc.
Environmental Scientist, Project Manager

Ms. Idowu joined Professional Service Industries, Inc. (PSI) in 2018 as an Environmental Scientist.

Ms. Idowu has done work on the completion of Phase I Environmental Site Assessments (ESA) and Environmental Site Surveys. Report preparation includes property reconnaissance; federal, state, and local regulatory agency review; property background searches into regional water quality control board records, property title histories, federal and state hazardous material files, as well as the review of aerial photographs, topographical maps, and other historical environmental data research.

Ms. Idowu has extensive hazardous material compliance management experience and superior knowledge of state and federal regulations. Projects include emergency generator and hazardous material permitting as well as hazardous material inspections and plan reviews.

Ms. Idowu has also been a field technician involved in groundwater sampling for former UST sites in Northern California. Ms. Idowu undertakes the sample collection and assists in the completion of technical groundwater sampling reports for these projects.

Education

Bachelor of Arts in Public Health with a focus in Environmental Health Science at University of California, Berkeley

Certification(s)

- EPA Certified Asbestos Building Inspector – #47707 IR
- NRPP Certified Residential Measurement Provider – 111218 RT

Representative Project Experience

JC Penney, Nationwide
Prepares and maintains the Hazardous Material Business Plans for over 75+ JC Penney locations in addition to managing the permitting for back-up generators. Liaison for JC Penney and their designated CUPAs throughout multiple counties.

Park Merced, San Francisco, California
Conducts quarterly hazardous material inspections and evaluation of the site and their Hazardous Material Business Plan.

Cathay Bank, Northern California
Completes various Phase I Environmental Site Assessments (ESA) and Environmental Site Surveys for different facilities throughout Northern California.

Hayward Unified School District, Hayward, California
Completes site audits and environmental review reports associated with the hazardous materials business program for over 30 school sites for Hayward Unified School District.

R.D. Olson Development, San Carlos, California
Conducts quarterly groundwater monitoring sampling for multiple monitoring wells associated with a Spills, Leaks, Investigations, and Cleanups (SLIC) site.

Caliber Collision, California & Nevada
Completes various Phase I Environmental Site Assessments (ESA) and Environmental Site Surveys for primarily auto repair facilities throughout Northern California.

Sysco Corporation, Honolulu, Maui, and Kona Island, Hawaii
Completed multiple Phase I Environmental Site Assessment (ESA) and a Limited Environmental Compliance Review (LECR) for multiple properties located throughout Hawaii.

Frank Poss, REA

Professional Service Industries, Inc.
Department Manager

Mr. Poss joined Professional Service Industries, Inc. (PSI) in 1993 as a Department Manager. He has brought with him 33 years of experience in the management of environmental site assessments; groundwater and soil remediation projects; hazardous waste management; and subsurface investigation programs. His experience includes supervision of project and staff level personnel, as well as subcontractors, implementation of QA/QC programs and Health and Safety Programs, contractual negotiations, and budgetary management of projects ranging from $20,000 to over $1,000,000. Mr. Poss has completed over 1,000 ESAs in his career and as a Senior Reviewer, he has reviewed over 1,000 ESAs from sites across the United States. He was the project manager for over $2,000,000 of work for Caltrans, including projects that involved wetlands studies, preliminary endangerment studies, remedial investigation, transportation corridor studies, and landfill assessments. The projects included work throughout the State of California. Mr. Poss has also been the project manager on numerous geotechnical investigations throughout Northern California with projects ranging from small tilt up buildings to multi-story residential buildings to large distribution facilities.

Education

Master of Science in Geology, San Diego State University, 1986

Bachelor of Arts in Geology, University of California, Santa Barbara, 1983

Certifications

- Environmental Professional – Phase I & II ESA, Project Management, PSI
- Registered Environmental Assessor, #REA05522, California
- AHERA Asbestos Building Inspector – #28719
- IAQ/Mold Inspector, PSI

Total Experience

33 years

Representative Project Experience

Environmental Site Assessments - Citigroup, Northern California, California

Project manager for over 400 Phase I/II ESA projects associated with Citigroup branches throughout the State of California. Mr. Poss was the manager for two separate portfolios of over 100 Citigroup branches each, which had a quick four-week turnaround with all reports delivered on time. The environmental assessments were completed according to standard protocol and included regulatory record review, site reconnaissance, aerial photograph interpretation, and report preparation.

Soil and Groundwater Studies - State of California Department of Transportation, Bay Bridge, California

Project manager for a site investigation for CalTrans at the "Maze" (the busiest freeway intersection in Northern California) and the West Approach to the Bay Bridge. The project was conducted as part of the seismic retrofit program. The project objective was to evaluate whether soil and groundwater generated during seismic retrofitting would be handled as a hazardous waste. The project included the drilling of over 500 borings and the analyses of these samples for metals, volatile organics, semi-volatile organics, and PCBs.

Preliminary Endangerment Study - Westlake Realty, Foster City, California

Project manager for a Preliminary Endangerment Study for the DTSC for a new school in Foster City, California. Multiple possible sources of impact at the property required the drilling of over 100 borings, 25 soil-vapor samples, and 15 indoor air samples. The preparation of a Human Health Risk Evaluation allowed PSI to obtain a partial site closure, which allowed construction to be completed while remedial activities on a release from a former dry cleaner were conducted.

Subsurface Investigation Report

Office Building
1766 El Camino Real
Burlingame, California

Prepared for

Carmel Partners
1000 Sansome Street 1st Floor
San Francisco, California 94111

Prepared by

Professional Service Industries, Inc.
4703 Tidewater Avenue, Suite B
Oakland, California 94601

July 22, 2021

PSI Project Number: 0575-1841

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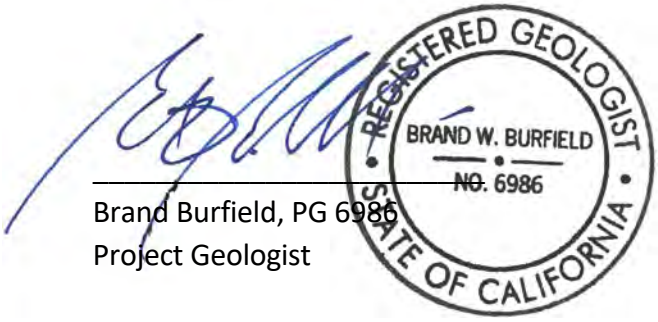
STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATION

The information provided in this Subsurface Investigation Report prepared by Professional Service Industries, Inc. (PSI), Project Number 0575-1841, is intended exclusively for Carmel Partners for the evaluation of soil and groundwater, as it pertains to the subject property in Burlingame, California at the time the activities were conducted. No unnamed third party shall have the right to rely on this report without the express written consent of PSI. The professional services provided have been performed in accordance with practices generally accepted by other environmental professionals, geologists, hydrologists, hydrogeologists, engineers, and environmental scientists practicing in this field. No other warranty, either expressed or implied, is made. As with all subsurface investigations, there is no guarantee that the work conducted has identified any and all sources or locations of hazardous substances or chemicals in the groundwater.

Professional Service Industries, Inc.



Brand Burfield, PG 6986
Project Geologist

Frank R. Poss
Department Manager
Principal Consultant

1.0 INTRODUCTION

Professional Service Industries, Inc. (PSI) was retained by Carmel Partners to evaluate the possible impact to the subsurface at the subject property, associated with an adjacent property that is an active Leaking Underground Storage Tank Site (LUST).

1.1 SITE LOCATION AND DESCRIPTION

The subject property is located on the northeast side of El Camino Real, southeast of its intersection with Trousdale Drive. The site address is 1766 El Camino Real, Burlingame, California 94010. The site can also be defined by San Mateo County Assessor Parcel Number (APN): 025-161-110.

Currently, the subject property is developed with a two-story commercial building that totals 32,625 square feet on a 1.70-acre parcel. The subject property is currently unoccupied and includes general commercial spaces, offices, studios, a lobby, a courtyard, and showrooms.

1.2 PROJECT BACKGROUND

As part of the completion of a Phase I Environmental Site Assessment (ESA) for the subject property, prepared by PSI and dated July 1, 2021, PSI determined that the adjacent property to the north (Burlingame Police Department) is an active LUST case. The property had two former USTs: one 12,000-gallon gasoline UST and one 4,000-gallon diesel UST. According to information on the State of California GeoTracker website, there was an unauthorized release of gasoline from the 12,000-gallon UST in December of 2017 that impacted the subsurface. Remedial action took place, groundwater monitoring wells were installed, and approximately 600 cubic yards of soil was excavated. Confirmation soil samples collected identified the presence of total petroleum hydrocarbons as gasoline (TPH-G) at a concentration of 1,400 milligrams per kilogram (mg/kg), ethanol at 1.3 mg/kg, ethylbenzene at 11 mg/kg, total xylenes at 16 mg/kg, and naphthalene at 4.7 mg/kg. Ethylbenzene, xylenes (total), and naphthalene were detected above their Tier 2 San Francisco Region Water Quality Control Board (RWQCB) Environmental Screening Level (ESL). Groundwater analytical results detected TPH as diesel (TPH-D), TPH as motor oil (TPH-MO), TPH-G, as well as numerous volatile organic compounds. Monitoring wells on the property boundary with the subject property are impacted with TPH and volatile organic compounds (VOCs).

To evaluate whether the subject property had been impacted by the adjacent LUST site, a subsurface investigation was recommended. Additionally, Carmel Partners wanted to have a preliminary evaluation of the concentration of metals (especially lead) in soil to determine whether the soil would potentially need to be off-hauled as hazardous waste due to elevated metal(s) concentrations.

2.0 SOIL AND GROUNDWATER INVESTIGATION

2.1 PRELIMINARY FIELD ACTIVITIES

Prior to drilling, a drilling and encroachment permit was obtained from the County of San Mateo (see Appendix A). Prior to the commencement of drilling activities, PSI marked the proposed boring locations in white paint and contacted Underground Service Alert (USA), a public utility locating service, to locate public utilities on or adjacent to the subject site. Additionally, on June 22, 2021, California Utility Locators, a private utility company, checked the proposed boring locations to verify that there were no underground utilities.

2.2 SOIL AND GROUNDWATER SAMPLING

On June 30, 2021 under the supervision of Mr. Manuel Uribe of PSI, Environmental Control Associates of Aptos, California, a C-57 licensed well drilling contractor, advanced five soil borings (B-1 through B-5). The soil boring locations are depicted in Figure 2. The borings were located across the property, with emphasis in the area of the former USTs at the northern-adjacent police station. The soil borings were advanced using a Geoprobe direct-push drill rig. Soil samples were collected in acetate tubes by PSI field personnel working under the supervision of a State of California Professional Geologist. Upon retrieval of the sampler tube, a representative soil sample was preserved for chemical analyses. Soil samples were collected from all borings at 1, 5, 10, 15 and 20 feet below the ground surface (bgs). Borings B-2, B-4, and B-5 were extended to between 23 and 24 feet bgs to facilitate the collection of groundwater samples.

Soil lithology was described by a PSI professional and recorded on a field boring log for each boring drilled. The data recorded on the logs was based on examination of soil samples retrieved and drilling conditions observed in the field. Soils were classified in general accordance with the Unified Soil Classification System. Other information recorded on the logs included noted indications (visual or olfactory) of contamination. Additionally, a photoionization detector (PID) was used to field-screen the soil samples for possible petroleum hydrocarbon impact. Minor visual evidence of petroleum hydrocarbon impact (greenish coloring) was noted in boring B-4 at 15 feet bgs, with a low level of 1.2 parts per million measured with the PID.

The borings were advanced to between 20 and 24 feet bgs, to allow for the collection of a groundwater sample. At the completed depth, temporary well casing was installed in the drill rod consisting of threaded 0.75-inch diameter, Schedule 40 PVC casing with 0.010-inch machine-slotted screen, and a threaded end cap at the bottom. The drill rod was removed from the borehole, and the temporary well was used as a conduit for the collection of groundwater from the borings. Prior to groundwater sampling, the depth to groundwater in each of the temporary wells was measured from the ground surface. Groundwater levels measured in the borings ranged from between approximately 5.5 and 18.9 feet at the time of sample collection.

The samples were collected using dedicated polyethylene tubing lowered through the casing with a check valve and positive displacement. Water was discharged directly into laboratory-preserved sample containers.

Once a sample was collected, it was labeled, logged on a chain-of custody form, and placed into a chilled ice chest pending delivery to the analytical laboratory. The samples were delivered to the laboratory within 24-hours of collection.

At the completion of groundwater sampling, the temporary monitoring well casings were removed and the boring(s) abandoned with cement grout in accordance with permit requirements. The subsurface soils observed during drilling activities consisted of interbedded layers of sand, silty sand, sandy silt, clay and sandy clay to the total depths explored. The boring logs are presented in Appendix B.

3.0 SOIL AND GROUNDWATER RESULTS AND DISCUSSION

The soil and groundwater samples were submitted to SunStar Laboratories, Inc. of Lake Forest, California, a California certified environmental laboratory.

3.1 SOIL RESULTS AND DISCUSSION

One soil sample from each boring was selected for analyses, with one soil sample analyzed for each of the depths sampled (a total of 5 soil samples). Since petroleum hydrocarbon impact was noted during drilling in soil sample B-4-15, this soil sample was selected for analyses. The soil samples selected for analyses were analyzed for the following:

- Total Petroleum Hydrocarbon Carbon Chain (TPH-Carbon Chain) according to EPA Method 8015M.
- Volatile Organic Compounds (VOCs) according to EPA Method 8260.
- CAM Metals (17 Metals) according to EPA Method 6010.

Additionally, the samples collected from 1 foot in each of the borings that was not otherwise analyzed for CAM Metals (an additional 4 soil samples) were analyzed for total lead according to EPA Method 6010.

A summary of the analytical results for the detected compounds is presented in Table 1 for TPH-Carbon Chain and VOCs with a copy of the laboratory report included in Appendix C. A summary of the soil analytical results are as follows:

- TPH-G was not detected at a concentration greater than its reporting limit in any of the samples.
- TPH-D was not detected at a concentration greater than its reporting limit in any of the samples.
- TPH as motor oil (TPH-MO) was detected in only one of the soil samples (B-5-1) at a concentration of 18 milligrams per kilogram (mg/kg).
- VOCs were not detected at concentrations greater than their respective reporting limit in any of the samples.
- Metals were detected in all of the soil samples, at levels considered to be background concentrations. The analytical results for metals can be found in Appendix C.

PSI compared the concentrations of all detected compounds in soil to the Regional Water Quality Control Board Environmental Screening Levels (RWQCB ESLs) for residential land use where groundwater is a drinking water resource, and for shallow groundwater, sand scenario, and

shallow soil conditions. None of the soil samples had concentrations greater than their respective ESL.

To evaluate the detected metal concentrations on whether it would be required to be off-hauled as hazardous waste, the results of the metal analyses were compared to California Code of Regulations Title 22 List of Inorganic, Persistent, and Bioaccumulative Toxic Substances and their total threshold limit concentrations (TTLC) values and the screening criteria of ten times their total soluble limit concentrations (STLC) values. None of the metal concentrations were greater than their respective TTLC or ten times their respective STLC, so the soil represented by these samples would not be classified as a hazardous waste upon excavation and classification as a waste material based only on the detected metal concentrations. It should be noted that this evaluation was preliminary in nature and did not include the quantity of soil samples or full analytical suite to fully characterize the soil for off haul.

3.2 GROUNDWATER RESULTS AND DISCUSSION

The groundwater sample collected from each of the borings was analyzed for the following:

- Total Petroleum Hydrocarbon Carbon Chain (TPH-Carbon Chain) according to EPA Method 8015M.
- Volatile Organic Compounds (VOCs) according to EPA Method 8260.

A summary of the analytical results for the detected compounds is presented in Table 2, with a copy of the laboratory report included in Appendix C. A summary of the groundwater analytical results are as follows:

- TPH-G was not detected at a concentration greater than its reporting limit in any of the samples.
- TPH-D was detected in one of the groundwater samples (B-1-W) at a concentration of 0.19 milligrams per liter (mg/L).
- TPH-MO was not detected at a concentration greater than its reporting limit in any of the samples.
- VOCs were detected in three of the groundwater samples; tetrachloroethene (PCE) was detected in two groundwater samples (B-3-W and B-4-W) at concentrations of 0.0014 and 0.0064 micrograms per liter (ug/L), respectively, and; methyl tert butyl ether (MTBE) was detected in one groundwater sample (B-5-W) at a concentration of 0.078 ug/L.

PSI compared the concentrations of all detected compounds in groundwater to the RWQCB ESLs for residential land use where groundwater is a drinking water resource, and for shallow

groundwater, sand scenario, and shallow soil conditions. The TPH-D, PCE, and MTBE concentrations were all above their respective ESL.

TPH-D was detected in the groundwater sample collected from boring B-2 at a concentration above the residential ESL; however, the ESL for TPH-D is an odor and nuisance threshold and the TPH-D was found in a hydraulically upgradient location. Considering these factors, PSI does not believe additional assessment is required associated with the detection of TPH-D in the groundwater sample collected from boring B-2.

MTBE was detected in the groundwater sample collected from boring B-5 at a concentration above the residential ESL. The concentration of MTBE found in B-5 can be attributed to the gasoline release at the adjacent Burlingame Police Department. The result indicates that the subject property has been impacted by this release. Based on the off-site source of the MTBE, PSI does not believe additional assessment is required associated with the detection of MTBE in the groundwater sample collected from boring B-2.

PCE was detected in the groundwater samples collected from borings B-3 and B-4 at concentrations above the residential ESL. There is a known source of PCE groundwater impact at 1560 Trousdale Drive, which is located in the shopping center across El Camino Real from the subject property. The PCE found on the subject property is most likely a result of the migration of PCE onto the subject property. Based on the most likely off-site source of the PCE, PSI does not believe additional assessment is required associated with the detection of PCE in the groundwater samples collected from borings B-3 and B-4.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The results of the subsurface investigation are summarized below.

- TPH-G, TPH-D and VOCs were not detected in any of the soil samples collected. TPH-MO was detected in one soil sample, with the detected concentration at below its respective ESL. Metal concentrations were detected at background concentrations.
- TPH-G and TPH-MO were not detected in any of the groundwater samples collected. TPH-D was detected in one groundwater sample and three other samples had detections of either PCE or MTBE. PSI compared the groundwater concentrations of all detected compounds to the RWQCB ESLs for residential land use where groundwater is a drinking water resource, and for shallow groundwater, sand scenario, and shallow soil conditions. The TPH-D, PCE, and MTBE concentrations were all above their respective ESLs.

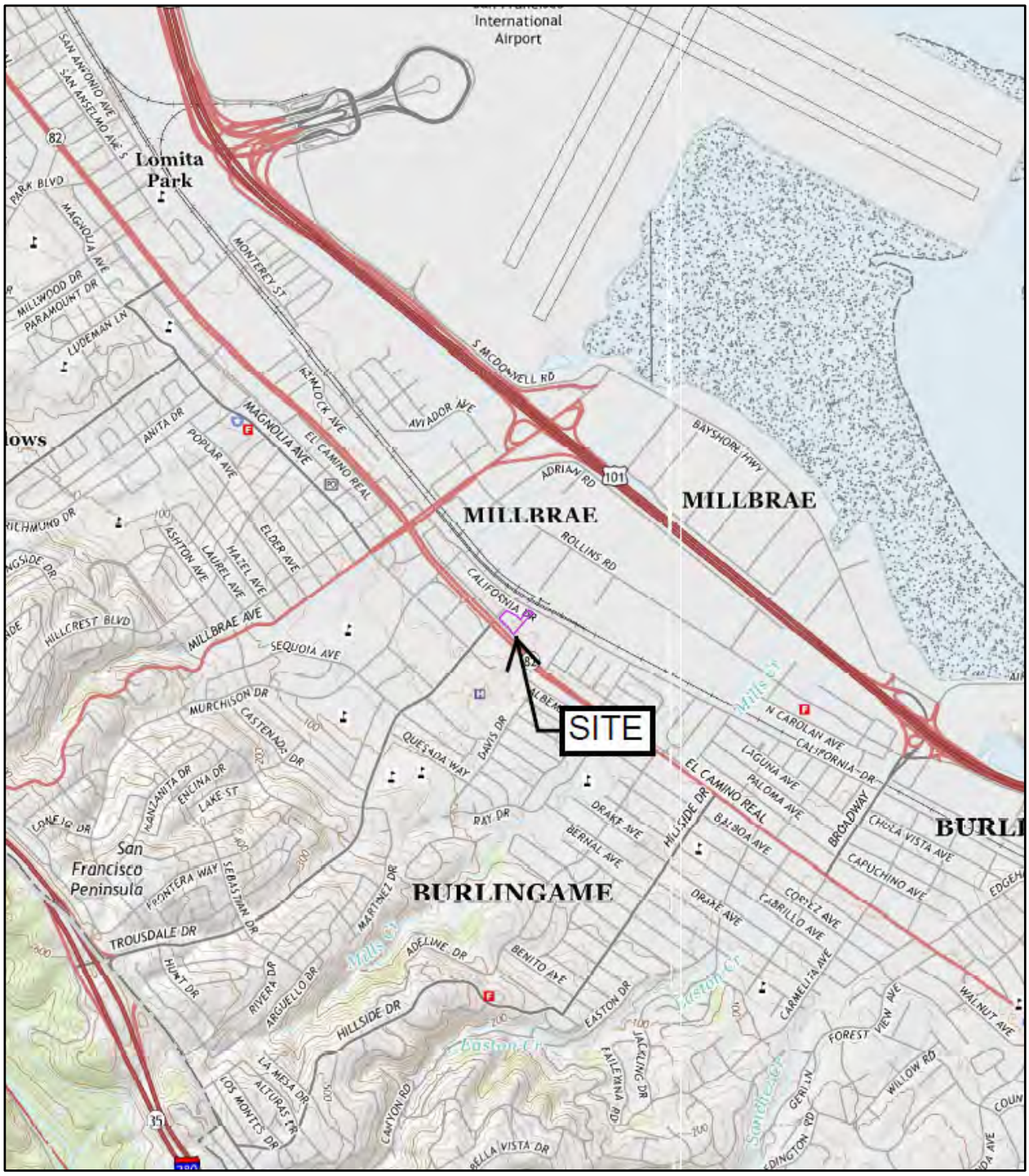
PSI does not believe additional investigation at the site is warranted as the TPH-D was in the hydraulically upgradient sample and the PCE and MTBE are believed to be from an off-site source.

It should be noted that future development of the property may be affected by the presence of impacted groundwater and possibly limited soil impact. Engineering control, in the form of possible limited treatment of water generated during potential de-watering may be required, as well as the installation of a passive vapor-intrusion system (such as a vapor barrier) beneath any future buildings. Prior to construction, PSI recommends that a soil-vapor investigation be conducted to confirm that vapor concentrations are below regulatory limits. Additionally, although impacted soil was not identified, PSI believes that a Soil Management Plan should be developed prior to any excavation at the subject property to have a procedure in place in case impacted soil is identified during site excavation and grading.

FIGURES

NORTH

Not to Scale

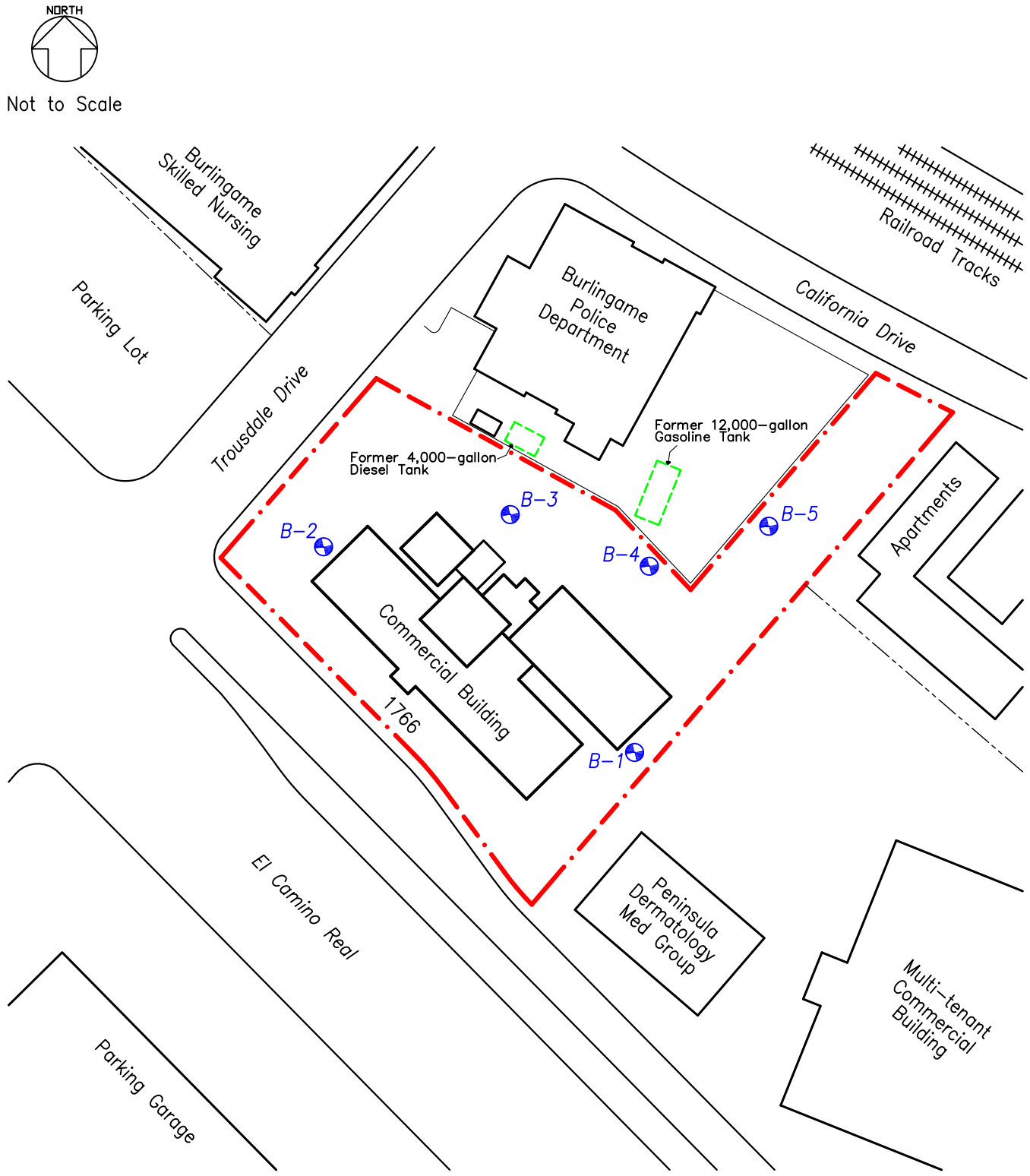


REFERENCE:
U.S.G.S. MONTARA MOUNTAIN, CA, 2015

intertek psi
Total Quality. Assured.

4703 Tidewater Avenue, Suite B
Oakland, California 94601
(510) 434-9200

Project Name:	Drawn By:	Date:	File No.:	Figure No.:
Commercial Building 1766 El Camino Real, Burlingame, California 94010	M.G.	6/21/21	1841-001	1
Title: SITE VICINITY MAP	**Approved By:** K.I.	**Project No.:** 575-1840		



LEGEND

- SUBJECT PROPERTY BOUNDARY
- LOCATION OF FORMER UNDERGROUND STORAGE TANKS
- B-5 BORING LOCATIONS

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4703 Tidewater Avenue, Suite B
Oakland, California 94601
(510) 434-9200

Project Name:	Drawn By:	Date:	File No.:	Figure No.:
Commercial Building 1766 El Camino Real, Burlingame, California 94010	M.G.	6/21/21	1840-001	2
Title: SITE PLAN	**Approved By:** K.I.	**Project No.:** 575-1840		

TABLES

TABLE 1

SUMMARY OF CONCENTRATIONS - SOIL - TPH AND VOCs

Sample Number	Sample Depth (feet)	Date Sampled	TPH-Gasoline	TPH-Diesel	TPH-Motor Oil	VOCs
B1-5	5	6/30/2021	<10	<10	<10	ND
B2-10	10	6/30/2021	<10	<10	<10	ND
B3-20	15	6/30/2021	<10	<10	<10	ND
B4-15	15	6/30/2021	<10	<10	<10	ND
B5-1	1	6/30/2021	<10	<10	**18**	ND
RWQCB ESLs			120	260	1,600	NA

Notes: All concentration are reported in milligrams per kilogram (mg/kg).
< = Not detected above the reporting detection limit indicated.
ND = All VOCs were below their respectve reporting limits indicated
Shaded cells are concentrations greater than the Commercial ESL.
RWQCB ESLs = RWQCB Environmental Screening Levels for Residential Land Use (January 2019).
NA = VOCs all have their own RWQCB ESL.

TABLE 2

SUMMARY OF CONCENTRATIONS - GROUNDWATER

Sample Number	Date Sampled	TPH-Gasoline	TPH-Diesel	TPH-Motor Oil	Tetrachloroethene	Methyl Tert Butyl Ether*
B-1-W	6/30/2021	<0.050	**0.19**	<0.10	<0.001	<0.001
B-2-W	6/30/2021	<0.050	<0.050	<0.10	<0.001	<0.001
B-3-W	6/30/2021	<0.050	<0.050	<0.10	**0.0014**	<0.001
B-4-W	6/30/2021	<0.050	<0.050	<0.10	**0.0064**	<0.001
B-5-W	6/30/2021	<0.050	<0.050	<0.10	<0.001	**0.078**
RWQCB ESLs		**0.10**	**0.10**	**NE**	**0.00064**	**0.005**

Notes:

All concentrations are reported in milligrams per liter (mg/l).

NE = Not Established.

< = Not detected above the laboratory reporting limits indicated,

* = All other Volatile Organic Compounds were below their respective laboratory reporting limits.

Shaded cells indicate concentrations greater than the Commercial ESL.

RWQCB ESLs = Regional Water Quality Control Board Environmental Screening Levels for Residential Land Use (January 2019).

APPENDIX A

DRILLING PERMIT

ORDINANCE: 04023

SAN MATEO COUNTY HEALTH
ENVIRONMENTAL HEALTH SERVICES

PERMIT 21-0909

P/E: 2010 MONITORING WELLS - INSTALLATION/DESTRUCTION

FACILITY:
1766 EL CAMINO REAL, BURLINGAME

OWNER:
CARMEL PARTNERS
1000 SANSOME ST 1ST FLR
SAN FRANCISCO

WP0013123 FA0069359
025161110
AMOUNT PAID: 747.00

CONTRACTOR:
ECA

TERMS & CONDITIONS:

CONSTRUCT SOIL BORINGS (5)
CONSULTANT: PSI
PROJECT MGR: FRANK POSS

KIAN ATKINSON

ENVIRONMENTAL HEALTH SPECIALIST

DATE ISSUED: 6/24/2021

EXPIRATION DATE: 10/24/2021

THIS CERTIFICATE IS NONTRANSFERABLE AND MUST BE POSTED ON-SITE IN A CONSPICUOUS PLACE.

SAN MATEO COUNTY HEALTH
ENVIRONMENTAL HEALTH SERVICES

PAID $747.00 CK#3794 via mail

Environmental Health Services
Groundwater Protection Program
2000 Alameda de las Pulgas, Suite #100
San Mateo, CA 94403
Phone: (650) 372-6200 | Fax: (650) 627-8244
smchealth.org/gpp

SUBSURFACE DRILLING PERMIT APPLICATION

Allow three (3) full working days for processing a complete permit application which includes payment (one permit per parcel). Drilling **start date & time** must be scheduled with County staff at (650) 464-0047 or drilling@smcgov.org **at least 2 full working days (i.e. 48 hours) in advance.**
Visit smchealth.org/ehfees for Groundwater Protection Program fees.

PURPOSE OF APPLICATION ☐ Groundwater Monitoring/Vapor Well Installation ☒ Construct Soil Borings (variance request if to be left open >24 hrs)
☐ Groundwater Monitoring/Vapor Well Destruction Extension of Permit # JUN 14 2021
No. of Wells ____ No. of Borings 5 Well/Boring Names B1 through B5

PURPOSE OF DRILLING ☒ Environmental ☐ Geotechnical LEAD AGENCY ☐ County GPP (permit approval is not to be considered work plan approval) ☐ RWQCB/DTSC/USEPA (Provide approval letter) ☒ None (i.e. voluntary)

RETURNED

SITE / DRILLING INFORMATION

Agency Case # ____ Assessor's Parcel # (required) 025-161-110 (one per permit)
Drilling Location Address: 1766 El Camino Real City: Burlingame Zip: 94010
To Be Constructed In: ☐ Public Property ☒ Private Property ☐ Refuse
Maximum Proposed Depth (wells/borings) 20 (feet) Drilling Method: Geoprobe
Boring Diameter: 3-inches Casing Diameter: NA Filter Pack Interval: NA Screen Interval: NA
Destruction Method: ☐ Pressure Grouting (provide well construction logs and grout calcs)
(6 gallons water max/94 lb cement, up to 5% bentonite) ☒ Overdrilling (guide rods for total depth prior to starting required)

WELL/BORING OWNER (Well/boring owner name or contact person should match signature)

Name: Carmel Partners Contact Person: Mr. Greg Pasuali
Address: 1000 Sansome Street, 1st Floor City, State, Zip: San Francisco, California 94111
Telephone: 415-273-2900 Email: gpasquali@CarmelPartners.com

It is my responsibility to notify the County of any known changes in the purpose of this well/boring from that which is indicated on this application, to submit indication of annual usage of wells to the County, and to maintain the well in good condition. *(Letter signed by well/boring owner/contact person, containing above language and attesting to knowledge of all permit requirements and conditions, may be substituted for signature.)*
Well/Boring Owner's/Contact Person's Signature: ____ Date: ____

PROPERTY OWNER (Name as appears on assessor's roles should match signature)

Name: Mr. Mario Muzzi Contact Person: Mr. Mario Muzzi
Address: 1814 Loyola Drive City, State, Zip: Burlingame, CA 94010
Phone: 650-219-0028 Email: marmuzzi@yahoo.com

I understand that a well/boring is being installed on my property. I agree to notify the County and Well Owner of any known damage or future access issues to the well *(Letter signed by property owner, containing above language, or encroachment permit may be substituted for signature)*
Property Owner's Signature: ____ Date: ____

DRILLING COMPANY

Drilling Company: Environmental Control Associates Contact Person: Mr. Bryan Cook
Address: 3011 Twin Palms Drive City, State, Zip: Aptos, Ca 95003
Phone: 530-441-8398 Email: Bryancook101562@gmail.com C57 Drillers License # 695970

I certify that the well/boring will be constructed in compliance with the conditions of this permit (see reverse), the San Mateo County Well Ordinance, and the State Water Well Standards, and that the license listed above is considered current and active by the Contractors State License Board.
Driller's Signature: ____ Date: ____

CONSULTANT COMPANY

Consultant Company: PSI Project Manager: Frank Poss
Address: 4703 Tidewater Avenue, Suite B City, State, Zip: Oakland, CA 94601
Telephone: 510-750-3365 Email: frank.poss@psiusa.com
Field Contact & Cell # (if known): Manuel Uribe - 925-435-4159

I certify that this application is correct to the best of my knowledge and the well/boring will be constructed/destroyed in compliance with the conditions of this permit (see page 2), the San Mateo County Well Ordinance, and the State Water Well Standards. I understand that I am responsible for General Conditions E, F, K, and L of this permit and if I indicated the purpose of drilling is geotechnical, then no one will use the boring to collect any samples for environmental analyses. If there is a change in Responsible Professional, I will notify San Mateo County GPP staff.
Responsible Professional's Name (Please print legibly): Brand Burfield
Responsible Professional's Signature: ____ Date: 6/11/21
California Professional Geologist (PG) No. ~~6896~~ 6986 or Civil Engineer (PE) No. ____

FA69359

SAN MATEO COUNTY HEALTH
ENVIRONMENTAL HEALTH SERVICES

Environmental Health Services
Groundwater Protection Program
2000 Alameda de las Pulgas, Suite #100
San Mateo, CA 94403
Phone: (650) 372-6200 | Fax: (650) 627-8244
smchealth.org/gpp

SUBSURFACE DRILLING PERMIT APPLICATION CHECKLIST

CHECKLIST

- ☐ Legibly filled in all appropriate blanks and boxes, except signature and date (review instructions to verify appropriate fields to leave any lines blank or unchecked).
- ☐ Have all required signatures (can be on separate pages, do not need to be wet signatures).
- ☐ Include appropriate fee with application. Payment can be made by credit card over phone to (650) 372-6200 (indicate when and how application submitted).
- ☐ Include scaled site map of site in relation to cross streets and drilling location in relation to site features.
- ☐ Show approximate location(s) and ID/Name of well/borings.
- ☐ For well installations, indicate (i.e. mark on permit application) anticipated destruction method of these wells. May be asked to provide written description for small diameter (<2") wells.
- ☐ For well destructions via pressure grouting, included well construction logs and grout volume calculations. An approved work plan is required for all well destructions.
- ☐ Shallow (<10') vapor wells do not need to be permitted. However, still must comply with well standards for installation and destruction (i.e. do not use bentonite alone in vadose zone for sanitary seal and remove all non-native material).
- ☐ Notify permitting inspector 2 full working days prior to start of drilling.
  Separate notification to case worker if known contaminated site.
- ☐ Consultant must submit all required information within 60 days of drilling (preferably to drilling@smcgov.org).
- ☐ For Borings and wells: require logs, site map, and analytical data.
- ☐ For wells: require surveyed coordinates and elevation, Well Completion Report (or indicate upload to Department of Water Resources Online System of Well Completion Reports DWR's OSWCR).

COMMON MISTAKES TO AVOID ON APPLICATION

Listed **potential** buyer as Property Owner,

Listed case's address rather than drilling location's address.

Failed to include Assessor's Parcel Number of the drilling location.

- Provided variance justification memo if temporary wells/borings may need to be left open for more than 24 hours to wait for groundwater recharge with estimate of maximum time needed.

- Permit is for **one mobilization** only. If work included in this permit cannot be done in a single mobilization, another permit may be required.

- Well owner must submit indication of annual use of wells (monitoring reports in association with corrective action requests satisfies this requirement); otherwise, wells need to be destroyed within year of last originally intended use.

- Any application for drilling within a landfill (geotechnical or environmental) must be accompanied by a work plan. Work plans must be approved by San Mateo County Environmental Health Services (EHS) and the Groundwater Protection Program prior to drilling.

SUBSURFACE DRILLING PERMIT APPLICATION

REQUIREMENTS

An accurate and correct map **must** be submitted with the application and include the following: north arrow, existing and historic site features, existing and proposed well/boring locations with ID's to scale, property lines and any other pertinent information. A work plan describing the drilling and construction/destruction methodology must be submitted to County staff. A complete application with appropriate fees must be submitted 3 working days in advance of drilling and notification of start date and time must be provided at least 2 working days prior to drilling. The permit is subject to both General and Special Conditions stated below. A copy of the approved Subsurface Drilling Permit **must** be available on site while work related to the permit is being performed. **Drilling may begin at the notified date and time whether County staff is present or not.**

GENERAL CONDITIONS

A. ***Field notification must be provided to GPP drilling inspection staff at least 2 full working days prior to the start of drilling. GPP Caseworker also must be notified if site is associated with a remedial action case.***

B. Well and boring construction and destruction under this permit are subject to the Standards for the Construction of Wells in San Mateo County, County Groundwater Protection Program (GPP) Guidelines, Policies & Procedures, the State Water Well Standards, and any instructions by EHS representative.

C. Well/Boring Owner, Driller, and Responsible Professional assume responsibility for all activities and uses under the permit, including compliance with Workmen's Compensation Laws, and indemnify, defend and save the County of San Mateo, its officers, agents and employees, free and harmless from any and all expense, cost, or liability in connection with or resulting from work or stopped-work associated with the permit, including, but not limited to, property damage, personal injury, wrongful death, and loss of income.

D. All borings **must** be properly destroyed (grouted/sealed) within 24 hours of drilling, unless special conditions are approved beforehand in writing as part of this permit, and must be continuously protected and stabilized.

E. Analytical results of all soil, vapor, and groundwater samples collected during the execution of drilling under this permit **must** be submitted to County GPP staff by the Responsible Professional within 60 days of sample collection. If contamination is discovered during drilling, verbal notification to County GPP by the Responsible Professional is **required** within 72 hours of discovery. Proper storage, labeling & disposal of investigation-derived residual wastes are the responsibility of the consultant unless stated otherwise contractually.

F. Boring logs, well construction details, and finalized as-built location map for all borings/ wells (except geotechnical borings) signed by a Responsible Professional, **must** be submitted to County GPP by the Responsible Professional within 60 days of drilling/construction/destruction. DWR Form 188 must be filed with the State per water code 13752.

G. Permit is valid only for the purpose specified herein. No change in purpose or required procedures, as described on this permit application, in the associated workplan, or in the special conditions below, will be allowed except upon written permission from the County. Construction aspects can be changed based on conditions encountered in the field.

H. **Permit is valid for one mobilization** associated with originally permitted boring/well locations only, including contingency locations, and is automatically canceled if not exercised, or if an extension is not applied for and granted within 120 days of the original permit issuance date. Failure to notify staff of cancellation or delay in start time will result in the Consultant being billed an inspection cancellation fee if GPP staff attempted to perform an inspection. Fees are listed at smchealth.org/ehfees.

I. Wells installed under this permit may not be used for domestic, municipal, agricultural, or irrigation water supply.

J. All work performed **must** conform to Business and Profession Codes and State Water Well Standards.

K. Top-of-casing elevation of all wells **must** be surveyed to the nearest 0.01-foot relative to Mean Sea Level or NAVD88 and submitted to County GPP within 60 days of drilling, and to State GeoTracker as appropriate. Geotechnical wells are exempt from this requirement if a written variance from GPP is obtained prior to drilling.

L. Latitude and longitude of all wells **must** be surveyed with sub-meter accuracy relative to NAD83 and submitted to County GPP within 60 days of drilling, and to State GeoTracker as appropriate.

M. Violation of any requirement or general or special permit condition may result in an order by GPP staff to cease work under this permit, correct the violation, potentially re-permit the work as a new mobilization, and potential actions may be taken against the Well Owner, Property Owner, or Responsible Professional by GPP.

SPECIAL CONDITIONS: _____

(agency use only) _____

_____

_____

Agency Use Only:

Signature: _____ FA # _____ Date: 6/22/21

PERMIT APPLICATION INSTRUCTIONS AND FEES

A subsurface drilling permit for borings and wells is required if groundwater is anticipated to be encountered or if drilling extends to 10 feet or deeper. Sub-slab and vapor wells shallower than 10 feet do not require a permit. Should groundwater be encountered shallower than 10 feet unexpectedly, then contact San Mateo County EHS Groundwater Protection Program (GPP) immediately and a permit application will be required retroactively. GPP is the permitting agency for all subsurface drilling for environmental and geotechnical purposes within San Mateo County. San Mateo County EHS Land Use Program (LUP) reviews all water well permit applications (smchealth.org/environ/forms) for public supply, domestic, agricultural, cathodic protection, exploratory, and geothermal heat exchange well construction and destruction and permit applications for all reconnaissance, investigation, and excavation work strictly for land use purposes. Please contact the LUP at (650) 372-6200 to discuss permitting, notification, and drilling requirements.

A 120-day extension may be granted for permits which have not been used during the original 120-day time frame. Submit another Subsurface Drilling Permit Application and payment for the permit extension fee at 50% of the fee for the type of drilling. Extension must be requested prior to the original permit expiring. If there are several wells and borings over several contiguous assessor's parcels and public right-of-ways, then discuss the fee with the County inspector at (650) 464-0047 or drilling@smcgov.org. The County inspector may charge only one fee for borings and wells constructed across contiguous assessor's parcels and public right-of- ways. However, this is dependent on how much the County inspector believes will need to be inspected in the field and how much review time of required submittals will be needed.

Section 1: Purpose of Application

At least one of the four boxes must be selected; however, multiple boxes may be selected as long as all of the wells and borings are on the same assessor's parcel or public right-of-way (see Section 4). A **boring** under this permit application is defined as a constructed hole lasting less than 24 hours before being properly destroyed. After 24 hours, the constructed hole is considered a **well** under this permit application which needs to be constructed appropriately unless special conditions are approved as part of the permit. If permit extension is selected, then write in the permit number of the permit to be extended. List the number of wells and borings anticipated to be drilled and what they will be named. This number may change in the field based on conditions encountered.

Section 2: Purpose of Drilling

At least one of the two boxes must be selected; however, both boxes may be selected as long as both purposes of drilling are to be conducted on the same assessor's parcel or public right-of-way (see Section 4). Geotechnical drilling may also be conducted under San Mateo County's Annual Geotechnical Drilling Permit in which consulting companies pay an annual fee to perform this type of drilling an unlimited amount of times for 365 days after obtaining the Annual Geotechnical Drilling Permit. Fees are listed at **smchealth.org/ehfees**. Please note, a Notification Form (not available on website) similar to this Subsurface Drilling Permit Application must be completely filled out and submitted at least 2 business days (48 hours) prior to drilling under the Annual Geotechnical Drilling Permit.

Section 3: Lead Agency

One of the three boxes must be selected. The **EHS GPP** would be selected only for investigations of known contaminated sites that the County is the lead agency. For drilling required by the Regional Water Quality Control Board **(RWQCB)**, Department of Toxic Substances Control **(DTSC)**, or the United States Environmental Protection Agency **(USEPA)**, please include a copy of their approval letter. **None** would refer to investigations required by the County CUPA (Hazardous Materials Program), County Land Use or Solid Waste Programs, County or City Planning or Building Departments or voluntary investigations for due diligence or property transactions.

Section 4: Drilling Information

All applicable spaces must be filled in. **Agency Case #** refers to the lead agency's case number, if overseen by an agency, for the project under which the investigation is being conducted. **Assessor's parcel number** is the 9-digit number corresponding to the specific private property the drilling is proposed to be conducted on (can be found under Secured Property Taxes at **sanmateocountytaxcollector.org** or **here**).Each permit **must** include only one assessor's parcel number. If the drilling is to be conducted only in public right-of-ways, then the assessor's parcel number space should be filled in with N/A for not applicable. If drilling is to occur on both a private property and a contiguous public right-of-way, then two permits (one for the private property and one for the public right-of-way) must be filled out. **Address, City, and Zip** refer to the location of the specific property drilling is proposed to be conducted on. The address for a public right-of-way would simply be the name of the specific section of the public right-of-way (ie. 100 block of Main Street). **To be Constructed in** must have one box selected. Again, this differentiates between a public right-of-way and a private property. **Refuse** is a special land use designation which needs to be indicated on the permit application.

PERMIT APPLICATION INSTRUCTIONS AND FEES (CONTINUED)

Section 4: Drilling Information (continued)

The rest of this section is self-explanatory, may change in the field based on conditions encountered, and must be filled in except **Destruction Method** for borings only. Schematics may be submitted instead of filling in the well construction details, particularly if wells will be constructed differently from each other.

Destruction Method requires the use of a maximum of 7 gallons of water per 94 pounds of cement. This measurement (for both water and cement) must be able to be demonstrated in the field upon request from the inspector (such as using a 5-gallon bucket for measuring the water and using entire bags of cement). For **pressure grouting**, the well construction log and grout calculations must be submitted. The sand pack may not be more than 3 feet above the top of the screened interval, the screened interval may not be longer than 25 feet, and the bottom of the original boring may not be more than 2 feet deeper than the bottom of the constructed well. The total depth of the well and the fact that there are no obstructions in the well must be verified in the field. Type I/II cement grout must be tremied into the well, followed by application of 25 psi pressure maintained for 5 minutes. If the well does not meet pressure grouting criteria, it must be destroyed by drilling out to the total depth of the original boring. For **overdrilling**, the well casing and all annular material must be removed using a guide rod for the entire depth of the well inserted prior to drilling, and the boring tremie grouted to the surface using Type I/II cement grout. A general observation is that grouting borings using a ¾ inch PVC pipe, typically used to collect grab groundwater samples in borings, does not work with a screened section. Free falling grout is only allowed if the boring is dry, or if water is present in less than 10% of the boring, and less than 30 feet deep. Grout calculations must be provided in a well destruction workplan.

Section 5: Well/Boring Owner

The **name** of the entity owning the wells and borings must be listed along with their contact person (if different from the name of the well/boring owner), address, telephone number, and email address. The **contact person** must be directly associated with or an agent of the entity owning the wells and borings such as a property manager, real estate manager, contractor, or lawyer but not the environmental consultant listed on the permit application in Section 8. A **phone** number and an **email** address must be provided to allow the inspector to contact the well/boring owner to verify information if necessary. By providing an email address, the well/ boring owner will receive an electronic copy of the permit. The permit application must be **signed** and **dated** by either the entity listed as the owner of the wells and borings or the contact person. **Signatures (Sections 5 through 8)** do not need to be original; however, one copy of the permit application must contain all of the information besides the signatures in a legible format. ALL SIGNATURES REQUIRED (SECTIONS 5 THROUGH 8) DO NOT NEED TO BE ON THE SAME COPY OF THE PERMIT APPLICATION.

Section 6: Property Owner

The **name** of the entity owning the property must be listed and needs to match the name listed with the County Assessor for this property. The **contact person** must be directly associated with or an agent of the entity owning the property such as a property manager, real estate manager, contractor, or lawyer but not the environmental consultant listed on the permit application in Section 8. A **telephone** number and an **email** address must be provided to allow the inspector to contact the property owner to verify information if necessary. By providing an email address, the property owner will receive an electronic copy of the permit. The permit application must be signed and dated by the entity listed as the property owner only. **AGENTS CANNOT SIGN FOR THE PROPERTY OWNER**. For public rights-of-way, a copy of the encroachment permit can be substituted for the property owner signature. The City of San Mateo, among others, will not issue an encroachment permit until the subsurface drilling permit is issued, but the City of San Mateo will issue a letter of intent to issue an encroachment permit which is acceptable as a substitute for the property owner signature in City of San Mateo rights-of-way.

Section 7: Drilling Company

The **name** of the company proposed to drill the wells and borings must be listed along with the drilling company **contact person**, **address**, **phone number**, and **email address**. In addition, the **driller's C57 license number** must be provided. By providing an email address, the drilling company will receive an electronic copy of the permit. The permit application must be signed and dated by the driller's contact person. If the drilling company changes, then a new subsurface drilling permit application should be filled out completely except for Sections 5, 6, and 8.

Section 8: Consulting Company

The **name** of the company overseeing the proposed drilling of the wells and borings must be listed along with the **project manager**, address, **phone** number, and **email** address. The responsible professional overseeing the work must **print** their name legibly, **sign** their name and date, and provide either their **California Professional Geologist or Civil Engineering** number. Field contact name and number, if known, are optional but beneficial for all parties involved.

SAN MATEO COUNTY HEALTH
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Environmental Health Services
Groundwater Protection Program
2000 Alameda de las Pulgas, Suite #100
San Mateo, CA 94403
Phone: (650) 372-6200 | Fax: (650) 627-8244
smchealth.org/gpp

SUBSURFACE DRILLING PERMIT APPLICATION

Allow three (3) full working days for processing a complete permit application which includes payment (one permit per parcel). Drilling **start date & time** must be scheduled with County staff at (650) 464-0047 or drilling@smcgov.org **at least 2 full working days (i.e. 48 hours) in advance.**
Visit smchealth.org/ehfees for Groundwater Protection Program fees.

PURPOSE OF APPLICATION ☐ Groundwater Monitoring/Vapor Well Installation ☒ Construct Soil Borings (variance request if to be left open >24 hrs)
☐ Groundwater Monitoring/Vapor Well Destruction Extension of Permit # _____
No. of Wells _____ No. of Borings 5 Well/Boring Names B1 through B5

PURPOSE OF DRILLING ☐ Environmental ☐ Geotechnical LEAD AGENCY ☐ County GPP (permit approval is not to be considered work plan approval) ☐ RWQCB/DTSC/USEPA (Provide approval letter) ☒ None (i.e. voluntary)

SITE / DRILLING INFORMATION

Agency Case # _____ Assessor's Parcel # (required) 025-161-110 (one per permit)
Drilling Location Address: 1766 El Camino Real City: Burlingame Zip: 94010
To Be Constructed In: ☐ Public Property ☒ Private Property ☐ Refuse
Maximum Proposed Depth (wells/borings) 20 (feet) Drilling Method: Geoprobe
Boring Diameter: 3-inches Casing Diameter: NA Filter Pack Interval: NA Screen Interval: NA
Destruction Method: ☐ Pressure Grouting (provide well construction logs and grout calcs)
(6 gallons water max/94 lb cement, up to 5% bentonite) ☒ Overdrilling (guide rods for total depth prior to starting required)

WELL/BORING OWNER (Well/boring owner name or contact person should match signature)

Name: Carmel Partners Contact Person: Mr. Greg Pasuali
Address: 1000 Sansome Street, 1st Floor City, State, Zip: San Francisco, California 94111
Telephone: 415-273-2900 Email: gpasquali@CarmelPartners.com
It is my responsibility to notify the County of any known changes in the purpose of this well/boring from that which is indicated on this application, to submit indication of annual usage of wells to the County, and to maintain the well in good condition. *(Letter signed by well/boring owner/contact person, containing above language and attesting to knowledge of all permit requirements and conditions, may be substituted for signature.)*
Well/Boring Owner's/Contact Person's Signature: Mike Ruiz Date: 6/11/21 ✓

PROPERTY OWNER (Name as appears on assessor's roles should match signature)

Name: Mr. Mario Muzzi Contact Person: Mr. Mario Muzzi
Address: 1814 Loyola Drive City, State, Zip: Burlingame, CA 94010
Phone: 650-219-0028 Email: marmuzzi@yahoo.com
I understand that a well/boring is being installed on my property. I agree to notify the County and Well Owner of any known damage or future access issues to the well *(Letter signed by property owner, containing above language, or encroachment permit may be substituted for signature)*
Property Owner's Signature: Mario Muzzi Date: 6/9/21 ✓

DRILLING COMPANY

Drilling Company: Environmental Control Associates Contact Person: Mr. Bryan Cook
Address: 3011 Twin Palms Drive City, State, Zip: Aptos, Ca 95003
Phone: 530-441-8398 Email: Bryancook101562@gmail.com C57 Drillers License # 695970
I certify that the well/boring will be constructed in compliance with the conditions of this permit (see reverse), the San Mateo County Well Ordinance, and the State Water Well Standards, and that the license listed above is considered current and active by the Contractors State License Board.
Driller's Signature: _____ Date: _____

CONSULTANT COMPANY

Consultant Company PSI Project Manager: Frank Poss
Address: 4703 Tidewater Avenue, Suite B City, State, Zip: Oakland, CA 94601
Telephone: 510-750-3365 Email: frank.poss@psiusa.com
Field Contact & Cell # (if known): Manuel Uribe - 925-435-4159
I certify that this application is correct to the best of my knowledge and the well/boring will be constructed/destroyed in compliance with the conditions of this permit (see page 2), the San Mateo County Well Ordinance, and the State Water Well Standards. I understand that I am responsible for General Conditions E, F, K, and L of this permit and if I indicated the purpose of drilling is geotechnical, then no one will use the boring to collect any samples for environmental analyses. If there is a change in Responsible Professional, I will notify San Mateo County GPP staff.
Responsible Professional's Name (Please print legibly): Brand Burfield
Responsible Professional's Signature: _____ Date: _____
California Professional Geologist (PG) No. 6896 or Civil Engineer (PE) No. _____

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PURPOSE OF APPLICATION ☐ Groundwater Monitoring/Vapor Well Installation ☒ Construct Soil Borings (variance request if to be left open >24 hrs) ☐ Groundwater Monitoring/Vapor Well Destruction Extension of Permit # _____

No. of Wells _____ No. of Borings 5 Well/Boring Names B1 through B5

PURPOSE OF DRILLING ☐ Environmental ☐ Geotechnical LEAD AGENCY ☐ County GPP (permit approval is not to be considered work plan approval) ☐ RWQCB/DTSC/USEPA (Provide approval letter) ☒ None (i.e. voluntary)

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Drilling Location Address: 1766 El Camino Real City: Burlingame Zip: 94010

To Be Constructed In: ☐ Public Property ☒ Private Property ☐ Refuse

Maximum Proposed Depth (wells/borings) 20 (feet) Drilling Method: Geoprobe

Boring Diameter: 3-inches Casing Diameter: NA Filter Pack Interval: NA Screen Interval: NA

Destruction Method: ☐ Pressure Grouting (provide well construction logs and grout calcs)

(6 gallons water max/94 lb cement, up to 5% bentonite) ☒ Overdrilling (guide rods for total depth prior to starting required)

WELL/BORING OWNER (Well/boring owner name or contact person should match signature)

Name: Carmel Partners Contact Person: Mr. Greg Pasuali

Address: 1000 Sansome Street, 1st Floor City, State, Zip: San Francisco, California 94111

Telephone: 415-273-2900 Email: gpasquali@CarmelPartners.com

It is my responsibility to notify the County of any known changes in the purpose of this well/boring from that which is indicated on this application, to submit indication of annual usage of wells to the County, and to maintain the well in good condition. *(Letter signed by well/boring owner/contact person, containing above language and attesting to knowledge of all permit requirements and conditions, may be substituted for signature.)*

Well/Boring Owner's/Contact Person's Signature: _____ Date: _____

PROPERTY OWNER (Name as appears on assessor's roles should match signature)

Name: Mr. Mario Muzzi Contact Person: Mr. Mario Muzzi

Address: 1814 Loyola Drive City, State, Zip: Burlingame, CA 94010

Phone: 650-219-0028 Email: marmuzzi@yahoo.com

I understand that a well/boring is being installed on my property. I agree to notify the County and Well Owner of any known damage or future access issues to the well *(Letter signed by property owner, containing above language, or encroachment permit may be substituted for signature)*

Property Owner's Signature: Mario Muzzi Date: 6/9/21

DRILLING COMPANY

Drilling Company: Environmental Control Associates Contact Person: Mr. Bryan Cook

Address: 3011 Twin Palms Drive City, State, Zip: Aptos, Ca 95003

Phone: 530-441-8398 Email: Bryancook101562@gmail.com C57 Drillers License # 695970

I certify that the well/boring will be constructed in compliance with the conditions of this permit (see reverse), the San Mateo County Well Ordinance, and the State Water Well Standards, and that the license listed above is considered current and active by the Contractors State License Board.

Driller's Signature: _____ Date: _____

CONSULTANT COMPANY

Consultant Company: PSI Project Manager: Frank Poss

Address: 4703 Tidewater Avenue, Suite B City, State, Zip: Oakland, CA 94601

Telephone: 510-750-3365 Email: frank.poss@psiusa.com

Field Contact & Cell # (if known): Manuel Uribe - 925-435-4159

I certify that this application is correct to the best of my knowledge and the well/boring will be constructed/destroyed in compliance with the conditions of this permit (see page 2), the San Mateo County Well Ordinance, and the State Water Well Standards. I understand that I am responsible for General Conditions E, F, K, and L of this permit and if I indicated the purpose of drilling is geotechnical, then no one will use the boring to collect any samples for environmental analyses. If there is a change in Responsible Professional, I will notify San Mateo County GPP staff.

Responsible Professional's Name (Please print legibly): Brand Burfield

Responsible Professional's Signature: _____ Date: _____

California Professional Geologist (PG) No. 6896 or Civil Engineer (PE) No. _____

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Telephone: 415-273-2900 Email: gpasquali@CarmelPartners.com
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PROPERTY OWNER (Name as appears on assessor's roles should match signature)

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Address: 1914 Loyola Drive City, State, Zip: Burlingame, CA 94010
Phone: 650-219-0028 Email: marmuzzi@yahoo.com
I understand that a well/boring is being installed on my property. I agree to notify the County and Well Owner of any known damage or future access issues to the well *(Letter signed by property owner, containing above language, or encroachment permit may be substituted for signature)*
Property Owner's Signature: _____ Date: _____

DRILLING COMPANY

Drilling Company: Environmental Control Associates Contact Person: Mr. Bryan Cook
Address: 3011 Twin Palms Drive City, State, Zip: Aptos, Ca 95003 ✓
Phone: 530-441-8398 Email: Bryancook101562@gmail.com C57 Drillers License # 695970
I certify that the well/boring will be constructed in compliance with the conditions of this permit (see reverse), the San Mateo County Well Ordinance, and the State Water Well Standards, and that the license listed above is considered current and active by the Contractors State License Board.
Driller's Signature: Kenneth B. Cook Digitally signed by Kenneth B. Cook Date: 2021.06.09 08:51:17 -07'00' Date: 6/9/21

CONSULTANT COMPANY

Consultant Company: PSI Project Manager: Frank Poss
Address: 4703 Tidewater Avenue, Suite B City, State, Zip: Oakland, CA 94601
Telephone: 510-750-3365 Email: frank.poss@psiusa.com
Field Contact & Cell # (if known): Manuel Uribe - 925-435-4159
I certify that this application is correct to the best of my knowledge and the well/boring will be constructed/destroyed in compliance with the conditions of this permit (see page 2), the San Mateo County Well Ordinance, and the State Water Well Standards. I understand that I am responsible for General Conditions E, F, K, and L of this permit and if I indicated the purpose of drilling is geotechnical, then no one will use the boring to collect any samples for environmental analyses. If there is a change in Responsible Professional, I will notify San Mateo County GPP staff.
Responsible Professional's Name (Please print legibly): Brand Burfield
Responsible Professional's Signature: _____ Date: _____
California Professional Geologist (PG) No. 6896 or Civil Engineer (PE) No. _____


California Dr
B-5
B-4
B-3
1766 El Camino Real
B-2
Trousdale Dr
B-1
El Camino Real
82

APPENDIX B

LITHOLOGIC LOGS

SOIL BORING LOG

BORING NO:	**B-1**
SHEET	**1** OF **5**

intertek psi
Total Quality. Assured.

CLIENT NAME: CARMEL - ECR BURLINGAME
PROJECT LOCATION: 1766 EL CAMINO REAL, BURLINGAME, CALIFORNIA
PROJECT NUMBER: 575-1841 DATE: 6/30/2021
DRILLING COMPANY: ENVIROMENTAL CONTROL ASSOCIATES
DRILLING METHOD: DIRECT PUSH

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
6/30/2021	During Drill	15.1

DEPTH (FEET)	SAMPLE NO.	SAMPLE INTERVAL	DESCRIPTION	PID (ppm)	REMARKS
			2.5 inches asphalt over 3 inches aggregate base		
2	B-1-1'	X	Silty SAND, light olive-brown, moist, fine to coarse sand	0.0	
4				0.0	
	B-1-5'	X	becomes medium olive-grey		
6			becomes medium brown	0.0	
8					
10	B-1-10'	X		0.0	
12					
14			becomes fine to medium sand		
	B-1-15'	X		0.0	
16			becomes wet		
18					
20	B-1-20'	X		0.0	
22			End of boring at 20 feet below grade. Borehole was backfilled with cement grout.		
24					

REVIEWED BY: Brand Burfield

LOGGED BY: Manuel Uribe

SOIL BORING LOG

BORING NO:	**B-2**
SHEET	**2** OF **5**

intertek psi
Total Quality. Assured.

CLIENT NAME:	CARMEL - ECR BURLINGAME
PROJECT LOCATION:	1766 EL CAMINO REAL, BURLINGAME, CALIFORNIA
PROJECT NUMBER:	575-1841 DATE: 6/30/2021
DRILLING COMPANY:	ENVIROMENTAL CONTROL ASSOCIATES
DRILLING METHOD:	DIRECT PUSH

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
6/30/2021	While Drilling	5.5

DEPTH (FEET)	SAMPLE NO.	SAMPLE INTERVAL	DESCRIPTION	PID (ppm)	REMARKS
			4 inches asphalt over 3 inches aggregate base		
2	B-2-1'	X	Sandy SILT, medium olive-brown, moist, fine to medium sand	0.0	
4				0.0	
6	B-2-5'	X	Lean CLAY, medium olive-grey, moist, trace fine to medium sand		
			Silty SAND, medium olive-brown, moist, fine to coarse sand		
8			Lean CLAY, light olive-grey, moist		
10	B-2-10'	X		0.0	
12			Sandy CLAY, medium brown, moist, fine to medium sand		
14					
16	B-2-15'	X		0.0	
18			Silty SAND, medium olive-grey, moist, fine to medium sand		
20	B-2-20'	X		0.0	
22					
24					
			End of boring at 24 feet below grade. Borehole was backfilled with cement grout.		

REVIEWED BY: Brand Burfield	LOGGED BY: Manuel Uribe

SOIL BORING LOG

BORING NO:	**B-3**
SHEET	**3** OF **5**

intertek psi
Total Quality. Assured.

CLIENT NAME:	CARMEL - ECR BURLINGAME
PROJECT LOCATION:	1766 EL CAMINO REAL, BURLINGAME, CALIFORNIA
PROJECT NUMBER:	575-1841 DATE: 6/30/2021
DRILLING COMPANY:	ENVIROMENTAL CONTROL ASSOCIATES
DRILLING METHOD:	DIRECT PUSH

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
6/30/2021	During Drill	18.86

DEPTH (FEET)	SAMPLE NO.	SAMPLE INTERVAL	DESCRIPTION	PID (ppm)	REMARKS
			3 inches asphalt over 3 inches aggregate base		
2	B-3-1'	X	Silty SAND, medium orange-brown, moist, fine to coarse sand	0.0	
4			Sandy CLAY, medium brown, moist, fine to coarse sand		
6	B-3-5'	X		0.0	
			Silty SAND, medium olive-grey, moist, fine to medium sand		
8					
10	B-3-10'	X		0.0	
			Sand, light olive-brown, moist		
12					
			Silty SAND, medium brown, moist, fine to coarse sand		
14				0.0	
16	B-3-15'	X	becomes wet		
18			becomes moist		
20	B-3-20'	X		0.0	
22			End of boring at 20 feet below grade. Borehole was backfilled with cement grout.		
24					

REVIEWED BY: Brand Burfield	LOGGED BY: Manuel Uribe

SOIL BORING LOG

BORING NO:	**B-4**
SHEET	**4** OF **5**

intertek psi
Total Quality. Assured.

CLIENT NAME:	CARMEL - ECR BURLINGAME
PROJECT LOCATION:	1766 EL CAMINO REAL, BURLINGAME, CALIFORNIA
PROJECT NUMBER:	575-1841 DATE: 6/30/2021
DRILLING COMPANY:	ENVIROMENTAL CONTROL ASSOCIATES
DRILLING METHOD:	DIRECT PUSH

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
6/30/2021	While Drilling	16.9

DEPTH (FEET)	SAMPLE NO.	SAMPLE INTERVAL	DESCRIPTION	PID (ppm)	REMARKS
			3 inches asphalt over 3 inches aggregate base		
	B-4-1'	X	SAND, dark brown, moist, fine to medium sand	0.0	
2			Lean CLAY, medium olive-grey, moist		
4			Sandy CLAY, medium brown, moist, fine to medium sand		
	B-4-5'	X		0.0	
6			Silty SAND, medium brown, moist, fine to medium sand		
8					
10			becomes light olive-brown	0.0	
	B-4-10'	X			
12			SAND, light olive-brown, moist, fine to medium sand		
14					
			SAND, medium greenish-grey, moist, fine to coarse sand, trace silt		
	B-4-15'	X		1.2	No odor
16					
18			Sandy CLAY, medium reddish-brown, moist, fine to medium sand		
20				0.0	
	B-4-20'	X			
22			Silty SAND, medium olive-grey, moist, fine to medium sand		
24				0.0	
			End of boring at 24 feet below grade. Borehole was backfilled with cement grout.		

REVIEWED BY: Brand Burfield	LOGGED BY: Manuel Uribe

SOIL BORING LOG

BORING NO:	**B-5**
SHEET	**1** OF **1**

intertek psi
Total Quality. Assured.

CLIENT NAME:	CARMEL - ECR BURLINGAME
PROJECT LOCATION:	1766 EL CAMINO REAL, BURLINGAME, CALIFORNIA
PROJECT NUMBER:	575-1841 DATE: 6/30/2021
DRILLING COMPANY:	ENVIROMENTAL CONTROL ASSOCIATES
DRILLING METHOD:	DIRECT PUSH

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
6/30/2021	While Drilling	10.0

DEPTH (FEET)	SAMPLE NO.	SAMPLE INTERVAL	DESCRIPTION	PID (ppm)	REMARKS
			2.5 inches asphalt over 4 inches aggregate base		
2	B-5-1'	X	Silty SAND, dark olive-brown, moist, fine to medium sand	0.0	
4			Sandy SILT, medium brown, damp, fine to medium sand		
6	B-5-5'	X			
8					
10	B-5-10'	X	Sandy CLAY, medium brown, moist, fine to coarse sand	0.0	
12					
14			Lean CLAY, medium olive-brown, moist, trace fine sand	0.0	
16	B-5-15'	X			
18			Sandy CLAY, medium brown, moist, fine to coarse sand		
20	B-5-20'	X	Silty SAND, medium brown, wet, fine to medium sand	0.0	
22			becomes fine to coarse sand		
24			End of boring at 23 feet below grade. Borehole was backfilled with cement grout.		

REVIEWED BY: Brand Burfield	LOGGED BY: Manuel Uribe

APPENDIX C

LABORATORY REPORT

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

12 July 2021

Frank Poss
PSI -- Oakland
4703 Tidewater Ave Ste B
Oakland, CA 94601

RE: Carmel - ECR Burlingame

Enclosed are the results of analyses for samples received by the laboratory on 07/02/21 09:14. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Jaroudi
Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B1-1'	T212140-01	Soil	06/30/21 09:43	07/02/21 09:14
B1-5'	T212140-02	Soil	06/30/21 09:48	07/02/21 09:14
B2-1'	T212140-06	Soil	06/30/21 11:05	07/02/21 09:14
B2-10'	T212140-08	Soil	06/30/21 11:20	07/02/21 09:14
B3-1'	T212140-11	Soil	06/30/21 12:30	07/02/21 09:14
B3-20'	T212140-15	Soil	06/30/21 12:50	07/02/21 09:14
B4-1'	T212140-16	Soil	06/30/21 13:10	07/02/21 09:14
B4-15'	T212140-19	Soil	06/30/21 13:25	07/02/21 09:14
B5-1'	T212140-21	Soil	06/30/21 14:05	07/02/21 09:14
B-1-W	T212140-26	Water	06/30/21 10:10	07/02/21 09:14
B-2-W	T212140-27	Water	06/30/21 11:00	07/02/21 09:14
B-3-W	T212140-28	Water	06/30/21 13:00	07/02/21 09:14
B-4-W	T212140-29	Water	06/30/21 13:45	07/02/21 09:14
B-5-W	T212140-30	Water	06/30/21 14:45	07/02/21 09:14

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Mike Jaroudi, Project Manager

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PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

DETECTIONS SUMMARY

Sample ID: B1-1' **Laboratory ID:** T212140-01

No Results Detected

Sample ID: B1-5' **Laboratory ID:** T212140-02

Analyte	Result	Reporting Limit	Units	Method	Notes
Barium	**49**	1.0	mg/kg	EPA 6010b	
Chromium	**14**	2.0	mg/kg	EPA 6010b	
Cobalt	**4.2**	2.0	mg/kg	EPA 6010b	
Copper	**6.0**	1.0	mg/kg	EPA 6010b	
Nickel	**27**	2.0	mg/kg	EPA 6010b	
Vanadium	**16**	5.0	mg/kg	EPA 6010b	
Zinc	**9.1**	1.0	mg/kg	EPA 6010b	

Sample ID: B2-1' **Laboratory ID:** T212140-06

No Results Detected

Sample ID: B2-10' **Laboratory ID:** T212140-08

Analyte	Result	Reporting Limit	Units	Method	Notes
Barium	**32**	1.0	mg/kg	EPA 6010b	
Chromium	**27**	2.0	mg/kg	EPA 6010b	
Cobalt	**6.8**	2.0	mg/kg	EPA 6010b	
Copper	**3.4**	1.0	mg/kg	EPA 6010b	
Nickel	**29**	2.0	mg/kg	EPA 6010b	
Vanadium	**25**	5.0	mg/kg	EPA 6010b	
Zinc	**2.5**	1.0	mg/kg	EPA 6010b	

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Mike Jaroudi, Project Manager

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Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

Sample ID: B3-1' **Laboratory ID:** T212140-11

No Results Detected

Sample ID: B3-20' **Laboratory ID:** T212140-15

Analyte	Result	Reporting Limit	Units	Method	Notes
Barium	**95**	1.0	mg/kg	EPA 6010b	
Chromium	**26**	2.0	mg/kg	EPA 6010b	
Cobalt	**10**	2.0	mg/kg	EPA 6010b	
Copper	**12**	1.0	mg/kg	EPA 6010b	
Lead	**3.1**	3.0	mg/kg	EPA 6010b	
Nickel	**55**	2.0	mg/kg	EPA 6010b	
Vanadium	**34**	5.0	mg/kg	EPA 6010b	
Zinc	**20**	1.0	mg/kg	EPA 6010b	

Sample ID: B4-1' **Laboratory ID:** T212140-16

Analyte	Result	Reporting Limit	Units	Method	Notes
Lead	**3.77**	3.00	mg/kg	EPA 6010b	

Sample ID: B4-15' **Laboratory ID:** T212140-19

Analyte	Result	Reporting Limit	Units	Method	Notes
Barium	**73**	1.0	mg/kg	EPA 6010b	
Chromium	**35**	2.0	mg/kg	EPA 6010b	
Cobalt	**6.5**	2.0	mg/kg	EPA 6010b	
Copper	**9.7**	1.0	mg/kg	EPA 6010b	
Lead	**3.5**	3.0	mg/kg	EPA 6010b	
Nickel	**40**	2.0	mg/kg	EPA 6010b	
Vanadium	**34**	5.0	mg/kg	EPA 6010b	
Zinc	**19**	1.0	mg/kg	EPA 6010b	

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Mike Jaroudi, Project Manager

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4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

Sample ID: B5-1' **Laboratory ID:** T212140-21

Analyte	Result	Reporting Limit	Units	Method	Notes
C29-C40 (MORO)	**18**	10	mg/kg	EPA 8015B	D-02
Barium	**79**	1.0	mg/kg	EPA 6010b	
Chromium	**23**	2.0	mg/kg	EPA 6010b	
Cobalt	**5.1**	2.0	mg/kg	EPA 6010b	
Copper	**4.6**	1.0	mg/kg	EPA 6010b	
Nickel	**8.6**	2.0	mg/kg	EPA 6010b	
Vanadium	**18**	5.0	mg/kg	EPA 6010b	
Zinc	**2.1**	1.0	mg/kg	EPA 6010b	

Sample ID: B-1-W **Laboratory ID:** T212140-26

Analyte	Result	Reporting Limit	Units	Method	Notes
C13-C28 (DRO)	**0.19**	0.050	mg/l	EPA 8015B	

Sample ID: B-2-W **Laboratory ID:** T212140-27

No Results Detected

Sample ID: B-3-W **Laboratory ID:** T212140-28

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**1.4**	1.0	ug/l	EPA 8260B	

Sample ID: B-4-W **Laboratory ID:** T212140-29

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**6.4**	1.0	ug/l	EPA 8260B	

Sample ID: B-5-W **Laboratory ID:** T212140-30

Analyte	Result	Reporting Limit	Units	Method	Notes

SunStar Laboratories, Inc.

Mike Jaroudi, Project Manager

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Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

Sample ID: B-5-W **Laboratory ID:** T212140-30

Analyte	Result	Reporting Limit	Units	Method	Notes
Methyl tert-butyl ether	**78**	1.0	ug/l	EPA 8260B	

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4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B1-1'

T212140-01 (Soil)

SunStar Laboratories, Inc.

Metals by EPA 6010B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lead	ND	3.00	mg/kg	1	1070644	07/06/21	07/09/21	EPA 6010b	

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PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B1-5'

T212140-02 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C6-C12 (GRO)	ND	10	mg/kg	1	1070208	07/02/21	07/03/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*111 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	1070644	07/06/21	07/09/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	**49**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	07/09/21	"	
Cadmium	ND	2.0	"	"	"	"	07/09/21	"	
Chromium	**14**	2.0	"	"	"	"	"	"	
Cobalt	**4.2**	2.0	"	"	"	"	"	"	
Copper	**6.0**	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	**27**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	**16**	5.0	"	"	"	"	"	"	
Zinc	**9.1**	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	1070640	07/06/21	07/09/21	EPA 7471A Soil	

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Mike Jaroudi, Project Manager

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PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B1-5'

T212140-02 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1070210	07/02/21	07/07/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager

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PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B1-5'

T212140-02 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1070210	07/02/21	07/07/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	10	"	"	"	"	"	"	
Tert-butyl alcohol	ND	25	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	10	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

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PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B1-5'

T212140-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Surrogate: 4-Bromofluorobenzene		*96.9 %*	*81.9-128*		*1070210*	*07/02/21*	*07/07/21*	*EPA 8260B*	
Surrogate: Dibromofluoromethane		*90.1 %*	*73-126*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*96.5 %*	*80.4-121*		*"*	*"*	*"*	*"*	

SunStar Laboratories, Inc.

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949.297.5027 Fax

PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B2-1'

T212140-06 (Soil)

SunStar Laboratories, Inc.

Metals by EPA 6010B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lead	ND	3.00	mg/kg	1	1070644	07/06/21	07/09/21	EPA 6010b	

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4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B2-10'

T212140-08 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C6-C12 (GRO)	ND	10	mg/kg	1	1070208	07/02/21	07/03/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*105 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	1070644	07/06/21	07/09/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	**32**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	**27**	2.0	"	"	"	"	"	"	
Cobalt	**6.8**	2.0	"	"	"	"	"	"	
Copper	**3.4**	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	**29**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	**25**	5.0	"	"	"	"	"	"	
Zinc	**2.5**	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	1070640	07/06/21	07/09/21	EPA 7471A Soil	

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Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B2-10'

T212140-08 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1070210	07/02/21	07/07/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B2-10'

T212140-08 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1070210	07/02/21	07/07/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	10	"	"	"	"	"	"	
Tert-butyl alcohol	ND	25	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	10	"	"	"	"	"	"	

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Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B2-10'

T212140-08 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 4-Bromofluorobenzene		*96.0 %*	*81.9-128*		*1070210*	*07/02/21*	*07/07/21*	*EPA 8260B*	
Surrogate: Dibromofluoromethane		*88.2 %*	*73-126*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*97.7 %*	*80.4-121*		*"*	*"*	*"*	*"*	

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Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B3-1'

T212140-11 (Soil)

SunStar Laboratories, Inc.

Metals by EPA 6010B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lead	ND	3.00	mg/kg	1	1070644	07/06/21	07/09/21	EPA 6010b	

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4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B3-20'

T212140-15 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C6-C12 (GRO)	ND	10	mg/kg	1	1070208	07/02/21	07/03/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*92.4 %*		*65-135*	"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	1070644	07/06/21	07/09/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	**95**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	**26**	2.0	"	"	"	"	"	"	
Cobalt	**10**	2.0	"	"	"	"	"	"	
Copper	**12**	1.0	"	"	"	"	"	"	
Lead	**3.1**	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	**55**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	**34**	5.0	"	"	"	"	"	"	
Zinc	**20**	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	1070640	07/06/21	07/09/21	EPA 7471A Soil	

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Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B3-20'

T212140-15 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1070210	07/02/21	07/07/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B3-20'

T212140-15 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1070210	07/02/21	07/07/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	10	"	"	"	"	"	"	
Tert-butyl alcohol	ND	25	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	10	"	"	"	"	"	"	

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4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B3-20'

T212140-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Surrogate: 4-Bromofluorobenzene		*99.5 %*	*81.9-128*		*1070210*	*07/02/21*	*07/07/21*	*EPA 8260B*	
Surrogate: Dibromofluoromethane		*89.3 %*	*73-126*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*97.7 %*	*80.4-121*		*"*	*"*	*"*	*"*	

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Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B4-1'

T212140-16 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Metals by EPA 6010B									
Lead	**3.77**	3.00	mg/kg	1	1070644	07/06/21	07/09/21	EPA 6010b	

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PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B4-15'

T212140-19 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C6-C12 (GRO)	ND	10	mg/kg	1	1070208	07/02/21	07/03/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*110 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	1070644	07/06/21	07/09/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	07/09/21	"	
Arsenic	ND	5.0	"	"	"	"	07/09/21	"	
Barium	**73**	1.0	"	"	"	"	07/09/21	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	07/09/21	"	
Chromium	**35**	2.0	"	"	"	"	07/09/21	"	
Cobalt	**6.5**	2.0	"	"	"	"	07/09/21	"	
Copper	**9.7**	1.0	"	"	"	"	07/09/21	"	
Lead	**3.5**	3.0	"	"	"	"	07/09/21	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	**40**	2.0	"	"	"	"	07/09/21	"	
Selenium	ND	5.0	"	"	"	"	07/09/21	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	**34**	5.0	"	"	"	"	07/09/21	"	
Zinc	**19**	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	1070640	07/06/21	07/09/21	EPA 7471A Soil	

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PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B4-15'

T212140-19 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1070210	07/02/21	07/07/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B4-15'

T212140-19 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1070210	07/02/21	07/07/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	10	"	"	"	"	"	"	
Tert-butyl alcohol	ND	25	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	10	"	"	"	"	"	"	

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Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B4-15'

T212140-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Surrogate: 4-Bromofluorobenzene		*97.9 %*	*81.9-128*		*1070210*	*07/02/21*	*07/07/21*	*EPA 8260B*	
Surrogate: Dibromofluoromethane		*88.5 %*	*73-126*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*96.9 %*	*80.4-121*		*"*	*"*	*"*	*"*	

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B5-1'

T212140-21 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C6-C12 (GRO)	ND	10	mg/kg	1	1070208	07/02/21	07/03/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	**18**	10	"	"	"	"	"	"	D-02
Surrogate: p-Terphenyl		*92.0 %*		*65-135*	"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	1070644	07/06/21	07/09/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	**79**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	**23**	2.0	"	"	"	"	"	"	
Cobalt	**5.1**	2.0	"	"	"	"	"	"	
Copper	**4.6**	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	**8.6**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	**18**	5.0	"	"	"	"	"	"	
Zinc	**2.1**	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	1070640	07/06/21	07/09/21	EPA 7471A Soil	

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B5-1'

T212140-21 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1070210	07/02/21	07/07/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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B5-1'

T212140-21 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1070210	07/02/21	07/07/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	10	"	"	"	"	"	"	
Tert-butyl alcohol	ND	25	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	10	"	"	"	"	"	"	

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B5-1'

T212140-21 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 4-Bromofluorobenzene	*98.4 %*	*81.9-128*		*1070210*	*07/02/21*	*07/07/21*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*88.2 %*	*73-126*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8	*94.7 %*	*80.4-121*		*"*	*"*	*"*	*"*	

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Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B-1-W

T212140-26 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C6-C12 (GRO)	ND	0.050	mg/l	1	1070217	07/02/21	07/06/21	EPA 8015B	
C13-C28 (DRO)	**0.19**	0.050	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*124 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	1070212	07/02/21	07/06/21	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	

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Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B-1-W

T212140-26 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	1.0	ug/l	1	1070212	07/02/21	07/06/21	EPA 8260B	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	2.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager

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PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B-1-W

T212140-26 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
o-Xylene	ND	0.50	ug/l	1	1070212	07/02/21	07/06/21	EPA 8260B	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*84.2-108*	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.6 %*		*71.5-128*	"	"	"	"	
Surrogate: Toluene-d8		*98.2 %*		*92.6-108*	"	"	"	"	

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PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B-2-W

T212140-27 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C6-C12 (GRO)	ND	0.050	mg/l	1	1070217	07/02/21	07/06/21	EPA 8015B	
C13-C28 (DRO)	ND	0.050	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*138 %*	*65-135*		"	"	"	"	*S-11*
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	1070212	07/02/21	07/06/21	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	

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PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B-2-W

T212140-27 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	1.0	ug/l	1	1070212	07/02/21	07/06/21	EPA 8260B	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	2.0	"	"	"	"	"	"	

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PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B-2-W

T212140-27 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
o-Xylene	ND	0.50	ug/l	1	1070212	07/02/21	07/06/21	EPA 8260B	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*84.2-108*		"	"	"	"	
Surrogate: Dibromofluoromethane		*98.8 %*	*71.5-128*		"	"	"	"	
Surrogate: Toluene-d8		*97.8 %*	*92.6-108*		"	"	"	"	

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PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B-3-W

T212140-28 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C6-C12 (GRO)	ND	0.050	mg/l	1	1070217	07/02/21	07/06/21	EPA 8015B	
C13-C28 (DRO)	ND	0.050	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*111 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	1070212	07/02/21	07/06/21	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	

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PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B-3-W

T212140-28 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	1.0	ug/l	1	1070212	07/02/21	07/06/21	EPA 8260B	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	**1.4**	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	2.0	"	"	"	"	"	"	

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PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B-3-W

T212140-28 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
o-Xylene	ND	0.50	ug/l	1	1070212	07/02/21	07/06/21	EPA 8260B	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*84.2-108*		"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*71.5-128*		"	"	"	"	
Surrogate: Toluene-d8		*97.6 %*	*92.6-108*		"	"	"	"	

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PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B-4-W

T212140-29 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C6-C12 (GRO)	ND	0.050	mg/l	1	1070217	07/02/21	07/06/21	EPA 8015B	
C13-C28 (DRO)	ND	0.050	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*124 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	1070212	07/02/21	07/06/21	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	

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PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B-4-W

T212140-29 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	1.0	ug/l	1	1070212	07/02/21	07/06/21	EPA 8260B	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	**6.4**	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	2.0	"	"	"	"	"	"	

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4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B-4-W

T212140-29 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
o-Xylene	ND	0.50	ug/l	1	1070212	07/02/21	07/06/21	EPA 8260B	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*84.2-108*		"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*71.5-128*		"	"	"	"	
Surrogate: Toluene-d8		*99.5 %*	*92.6-108*		"	"	"	"	

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Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B-5-W

T212140-30 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C6-C12 (GRO)	ND	0.050	mg/l	1	1070217	07/02/21	07/06/21	EPA 8015B	
C13-C28 (DRO)	ND	0.050	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*109 %*	*65-135*		*"*	*"*	*"*	*"*	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	1070212	07/02/21	07/06/21	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	

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B-5-W

T212140-30 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	1.0	ug/l	1	1070212	07/02/21	07/06/21	EPA 8260B	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	2.0	"	"	"	"	"	"	

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Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

B-5-W

T212140-30 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
o-Xylene	ND	0.50	ug/l	1	1070212	07/02/21	07/06/21	EPA 8260B	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**78**	1.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*84.2-108*	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*		*71.5-128*	"	"	"	"	
Surrogate: Toluene-d8		*98.1 %*		*92.6-108*	"	"	"	"	

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Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

Extractable Petroleum Hydrocarbons by 8015B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1070208 - EPA 3550B GC										
Blank (1070208-BLK1)				Prepared & Analyzed: 07/02/21						
C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	*105*		*"*	*100*		*105*	*65-135*			
LCS (1070208-BS1)				Prepared & Analyzed: 07/02/21						
C13-C28 (DRO)	420	10	mg/kg	495		85.6	75-125			
Surrogate: p-Terphenyl	*107*		*"*	*100*		*107*	*65-135*			
LCS Dup (1070208-BSD1)				Prepared & Analyzed: 07/02/21						
C13-C28 (DRO)	460	10	mg/kg	505		91.4	75-125	8.59	20	
Surrogate: p-Terphenyl	*106*		*"*	*100*		*106*	*65-135*			
Batch 1070217 - EPA 3510C GC										
Blank (1070217-BLK1)				Prepared: 07/02/21 Analyzed: 07/06/21						
C6-C12 (GRO)	ND	0.050	mg/l							
C13-C28 (DRO)	ND	0.050	"							
C29-C40 (MORO)	ND	0.10	"							
Surrogate: p-Terphenyl	*114*		*"*	*100*		*114*	*65-135*			
LCS (1070217-BS1)				Prepared: 07/02/21 Analyzed: 07/06/21						
C13-C28 (DRO)	8.40	0.050	mg/l	10.0		84.0	75-125			
Surrogate: p-Terphenyl	*109*		*"*	*100*		*109*	*65-135*			
LCS Dup (1070217-BSD1)				Prepared: 07/02/21 Analyzed: 07/06/21						
C13-C28 (DRO)	8.22	0.050	mg/l	10.0		82.2	75-125	2.11	20	
Surrogate: p-Terphenyl	*112*		*"*	*100*		*112*	*65-135*			

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4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1070644 - EPA 3050B										
Blank (1070644-BLK1)				Prepared: 07/06/21 Analyzed: 07/09/21						
Antimony	ND	3.0	mg/kg							
Silver	ND	2.0	"							
Arsenic	ND	5.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	2.0	"							
Cobalt	ND	2.0	"							
Copper	ND	1.0	"							
Lead	ND	3.0	"							
Molybdenum	ND	5.0	"							
Nickel	ND	2.0	"							
Lead	ND	3.00	"							
Selenium	ND	5.0	"							
Thallium	ND	5.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	1.0	"							
LCS (1070644-BS1)				Prepared: 07/06/21 Analyzed: 07/09/21						
Arsenic	97.5	5.0	mg/kg	100		97.5	75-125			
Barium	99.7	1.0	"	100		99.7	75-125			
Cadmium	100	2.0	"	100		100	75-125			
Chromium	98.9	2.0	"	100		98.9	75-125			
Lead	97.0	3.0	"	100		97.0	75-125			
Lead	97.0	3.00	"	100		97.0	75-125			
Matrix Spike (1070644-MS1)	**Source: T212119-04**			Prepared: 07/06/21 Analyzed: 07/09/21						
Arsenic	75.7	5.0	mg/kg	98.0	ND	77.2	75-125			
Barium	149	1.0	"	98.0	78.6	71.5	75-125			QM-05
Cadmium	71.2	2.0	"	98.0	0.358	72.3	75-125			QM-05
Chromium	80.7	2.0	"	98.0	10.5	71.7	75-125			QM-05
Lead	69.5	3.0	"	98.0	2.30	68.5	75-125			QM-05
Lead	69.5	3.00	"	98.0	2.30	68.5	75-125			QM-05

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Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1070644 - EPA 3050B										
Matrix Spike Dup (1070644-MSD1)	**Source: T212119-04**			Prepared: 07/06/21 Analyzed: 07/09/21						
Arsenic	75.3	5.0	mg/kg	100	ND	75.3	75-125	0.534	20	
Barium	150	1.0	"	100	78.6	71.2	75-125	0.759	20	QM-05
Cadmium	71.7	2.0	"	100	0.358	71.4	75-125	0.720	20	QM-05
Chromium	82.3	2.0	"	100	10.5	71.9	75-125	1.96	20	QM-05
Lead	71.2	3.0	"	100	2.30	68.9	75-125	2.40	20	QM-05
Lead	71.2	3.00	"	100	2.30	68.9	75-125	2.40	20	QM-05

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Cold Vapor Extraction EPA 7470/7471 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1070640 - EPA 7471A Soil										
Blank (1070640-BLK1)				Prepared: 07/06/21 Analyzed: 07/09/21						
Mercury	ND	0.10	mg/kg							
LCS (1070640-BS1)				Prepared: 07/06/21 Analyzed: 07/09/21						
Mercury	0.385	0.10	mg/kg	0.410		93.9	80-120			
Matrix Spike (1070640-MS1)	**Source: T212119-04**			Prepared: 07/06/21 Analyzed: 07/09/21						
Mercury	0.409	0.10	mg/kg	0.391	0.435	NR	75-125			QM-05
Matrix Spike Dup (1070640-MSD1)	**Source: T212119-04**			Prepared: 07/06/21 Analyzed: 07/09/21						
Mercury	0.422	0.10	mg/kg	0.410	0.435	NR	75-125	3.20	20	QM-05

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4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1070210 - EPA 5030 GCMS										
Blank (1070210-BLK1)				Prepared: 07/02/21 Analyzed: 07/07/21						
Bromobenzene	ND	2.5	ug/kg							
Bromochloromethane	ND	2.5	"							
Bromodichloromethane	ND	2.5	"							
Bromoform	ND	2.5	"							
Bromomethane	ND	2.5	"							
n-Butylbenzene	ND	2.5	"							
sec-Butylbenzene	ND	2.5	"							
tert-Butylbenzene	ND	2.5	"							
Carbon tetrachloride	ND	2.5	"							
Chlorobenzene	ND	2.5	"							
Chloroethane	ND	2.5	"							
Chloroform	ND	2.5	"							
Chloromethane	ND	2.5	"							
2-Chlorotoluene	ND	2.5	"							
4-Chlorotoluene	ND	2.5	"							
Dibromochloromethane	ND	2.5	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	2.5	"							
Dibromomethane	ND	2.5	"							
1,2-Dichlorobenzene	ND	2.5	"							
1,3-Dichlorobenzene	ND	2.5	"							
1,4-Dichlorobenzene	ND	2.5	"							
Dichlorodifluoromethane	ND	2.5	"							
1,1-Dichloroethane	ND	2.5	"							
1,2-Dichloroethane	ND	2.5	"							
1,1-Dichloroethene	ND	2.5	"							
cis-1,2-Dichloroethene	ND	2.5	"							
trans-1,2-Dichloroethene	ND	2.5	"							
1,2-Dichloropropane	ND	2.5	"							
1,3-Dichloropropane	ND	2.5	"							
2,2-Dichloropropane	ND	2.5	"							
1,1-Dichloropropene	ND	2.5	"							
cis-1,3-Dichloropropene	ND	2.5	"							
trans-1,3-Dichloropropene	ND	2.5	"							
Hexachlorobutadiene	ND	2.5	"							
Isopropylbenzene	ND	2.5	"							

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1070210 - EPA 5030 GCMS										
Blank (1070210-BLK1)				Prepared: 07/02/21 Analyzed: 07/07/21						
p-Isopropyltoluene	ND	2.5	ug/kg							
Methylene chloride	ND	10	"							
Naphthalene	ND	2.5	"							
n-Propylbenzene	ND	2.5	"							
Styrene	ND	2.5	"							
1,1,2,2-Tetrachloroethane	ND	2.5	"							
1,1,1,2-Tetrachloroethane	ND	2.5	"							
Tetrachloroethene	ND	2.5	"							
1,2,3-Trichlorobenzene	ND	2.5	"							
1,2,4-Trichlorobenzene	ND	2.5	"							
1,1,2-Trichloroethane	ND	2.5	"							
1,1,1-Trichloroethane	ND	2.5	"							
Trichloroethene	ND	2.5	"							
Trichlorofluoromethane	ND	2.5	"							
1,2,3-Trichloropropane	ND	2.5	"							
1,3,5-Trimethylbenzene	ND	2.5	"							
1,2,4-Trimethylbenzene	ND	2.5	"							
Vinyl chloride	ND	2.5	"							
Benzene	ND	2.5	"							
Toluene	ND	2.5	"							
Ethylbenzene	ND	2.5	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	2.5	"							
Tert-amyl methyl ether	ND	10	"							
Tert-butyl alcohol	ND	25	"							
Di-isopropyl ether	ND	10	"							
Ethyl tert-butyl ether	ND	10	"							
Methyl tert-butyl ether	ND	10	"							
Surrogate: 4-Bromofluorobenzene	*47.9*		*"*	*50.0*		*95.8*	*81.9-128*			
Surrogate: Dibromofluoromethane	*44.4*		*"*	*50.0*		*88.8*	*73-126*			
Surrogate: Toluene-d8	*48.2*		*"*	*50.0*		*96.3*	*80.4-121*			

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1070210 - EPA 5030 GCMS										
LCS (1070210-BS1)				Prepared: 07/02/21 Analyzed: 07/07/21						
Chlorobenzene	49.2	2.5	ug/kg	50.0		98.3	65.2-124			
1,1-Dichloroethene	42.8	2.5	"	50.0		85.5	60.9-131			
Trichloroethene	47.9	2.5	"	50.0		95.8	62.1-126			
Benzene	47.2	2.5	"	50.0		94.4	65.3-127			
Toluene	45.2	2.5	"	50.0		90.4	64.3-122			
Surrogate: 4-Bromofluorobenzene	*48.8*		*"*	*50.0*		*97.7*	*81.9-128*			
Surrogate: Dibromofluoromethane	*43.6*		*"*	*50.0*		*87.2*	*73-126*			
Surrogate: Toluene-d8	*47.5*		*"*	*50.0*		*95.1*	*80.4-121*			
Matrix Spike (1070210-MS1)	**Source: T212140-02**			Prepared: 07/02/21 Analyzed: 07/07/21						
Chlorobenzene	44.6	2.5	ug/kg	49.0	ND	91.1	65.2-125			
1,1-Dichloroethene	40.5	2.5	"	49.0	ND	82.7	60.9-131			
Trichloroethene	44.3	2.5	"	49.0	ND	90.4	62.1-126			
Benzene	43.9	2.5	"	49.0	ND	89.6	65.3-127			
Toluene	42.3	2.5	"	49.0	0.897	84.5	64.3-125			
Surrogate: 4-Bromofluorobenzene	*48.7*		*"*	*49.0*		*99.4*	*81.9-128*			
Surrogate: Dibromofluoromethane	*44.3*		*"*	*49.0*		*90.4*	*73-126*			
Surrogate: Toluene-d8	*48.2*		*"*	*49.0*		*98.3*	*80.4-121*			
Matrix Spike Dup (1070210-MSD1)	**Source: T212140-02**			Prepared: 07/02/21 Analyzed: 07/07/21						
Chlorobenzene	43.3	2.5	ug/kg	49.8	ND	87.0	65.2-125	3.03	20	
1,1-Dichloroethene	38.3	2.5	"	49.8	ND	76.9	60.9-131	5.59	20	
Trichloroethene	43.3	2.5	"	49.8	ND	87.0	62.1-126	2.27	20	
Benzene	43.2	2.5	"	49.8	ND	86.8	65.3-127	1.55	20	
Toluene	40.8	2.5	"	49.8	0.897	80.2	64.3-125	3.62	20	
Surrogate: 4-Bromofluorobenzene	*51.3*		*"*	*49.8*		*103*	*81.9-128*			
Surrogate: Dibromofluoromethane	*45.6*		*"*	*49.8*		*91.5*	*73-126*			
Surrogate: Toluene-d8	*48.7*		*"*	*49.8*		*97.8*	*80.4-121*			

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1070212 - EPA 5030 GCMS										
Blank (1070212-BLK1)				Prepared & Analyzed: 07/02/21						
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
Dibromomethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
Dichlorodifluoromethane	ND	0.50	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Hexachlorobutadiene	ND	1.0	"							
Isopropylbenzene	ND	1.0	"							

SunStar Laboratories, Inc.

Mike Jaroudi, Project Manager

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PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1070212 - EPA 5030 GCMS										
Blank (1070212-BLK1)				Prepared & Analyzed: 07/02/21						
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	"							
Naphthalene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,2,3-Trichloropropane	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	2.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							
Surrogate: 4-Bromofluorobenzene	*20.2*		"	*20.0*		*101*	*84.2-108*			
Surrogate: Dibromofluoromethane	*18.4*		"	*20.0*		*91.9*	*71.5-128*			
Surrogate: Toluene-d8	*19.5*		"	*20.0*		*97.6*	*92.6-108*			

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1070212 - EPA 5030 GCMS										
LCS (1070212-BS1)				Prepared & Analyzed: 07/02/21						
Chlorobenzene	19.8	1.0	ug/l	20.0		99.1	81.1-121			
1,1-Dichloroethene	18.0	1.0	"	20.0		90.0	69.9-130			
Trichloroethene	18.9	1.0	"	20.0		94.6	84.9-120			
Benzene	18.5	0.50	"	20.0		92.4	78.1-123			
Toluene	17.7	0.50	"	20.0		88.6	79.6-123			
Surrogate: 4-Bromofluorobenzene	*20.9*		"	*20.0*		*104*	*84.2-108*			
Surrogate: Dibromofluoromethane	*18.2*		"	*20.0*		*91.2*	*71.5-128*			
Surrogate: Toluene-d8	*19.2*		"	*20.0*		*96.0*	*92.6-108*			
LCS Dup (1070212-BSD1)				Prepared & Analyzed: 07/02/21						
Chlorobenzene	19.3	1.0	ug/l	20.0		96.3	81.1-121	2.87	20	
1,1-Dichloroethene	18.0	1.0	"	20.0		89.8	69.9-130	0.278	20	
Trichloroethene	18.5	1.0	"	20.0		92.7	84.9-120	2.03	20	
Benzene	18.1	0.50	"	20.0		90.4	78.1-123	2.24	20	
Toluene	17.4	0.50	"	20.0		87.1	79.6-123	1.76	20	
Surrogate: 4-Bromofluorobenzene	*20.5*		"	*20.0*		*102*	*84.2-108*			
Surrogate: Dibromofluoromethane	*18.2*		"	*20.0*		*90.8*	*71.5-128*			
Surrogate: Toluene-d8	*19.3*		"	*20.0*		*96.4*	*92.6-108*			

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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PSI -- Oakland	Project: Carmel - ECR Burlingame	
4703 Tidewater Ave Ste B	Project Number: 575-1841	**Reported:**
Oakland CA, 94601	Project Manager: Frank Poss	07/12/21 09:22

Notes and Definitions

S-11	The surrogate recovery was above acceptance criteria in the sample. The sample is ND for the analytes of interest. The surrogate recovery was within acceptance criteria in the method blank and LCS.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS was within acceptance criteria. The data is acceptable as no negative impact on data is expected.
D-02	Hydrocarbon pattern present in the requested fuel quantitation range, but does not resemble the pattern of the requested fuel.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE
25712 Commercentre Drive, Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Intertek PSI
Address: 4703 Tidewater Ave, Oakland, CA
Phone: (510) 434-9200 Fax:
Project Manager: Frank Poss

Date: 7/1/21 Page: 1 Of 2
Project Name: Carmel - ECR Burlingame
Collector: M. Uribe Client Project #: 575-1841
Batch #: T212140 EDF #:

Laboratory ID #	Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY (VOCs)	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain (TPH)	6010/7000 Title 22 Metals (17)	6020 ICP-MS Metals	6010-LEAD			Comments/Preservative	Total # of containers
01	B1 - 1'	6/30/21	943	Soil	Ring											✓				
02	B1 - 5'		948				✓						✓	✓						
03	B1 - 10'		950																	
04	B1 - 15'		953																	
05	B1 - 20'		1000																	
06	B2 - 1'		1105													✓				
07	B2 - 5'		1110																	
08	B2 - 10'		1120				✓						✓	✓						
09	B2 - 15'		1135																	
10	B2 - 20'		1145																	
11	B3 - 1'		1230													✓				
12	B3 - 5'		1235																	
13	B3 - 10'		1240																	
14	B3 - 15'		1245				✓						✓	✓					DO NOT RUN, ARCHIVE	
15	B3 - 20'		1250																	

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	7/1/21 17:30	GSO#: 548862359	
GLS	7/2/21 9:14	[signature]	7/2/21 9:14

Total # of containers	
Chain of Custody seals Y/N/NA	Y
Seals intact? Y/N/NA	Y
Received good condition/cold	2.1°C

Turn around time: STD

Notes
⇒ ARCHIVE ALL SAMPLES NOT RUN

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

COC 192603

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE
25712 Commercentre Drive, Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Intertek PSI
Address: 4703 Tidewater Ave, Oakland, CA
Phone: (510) 434-9200 Fax:
Project Manager: Frank Ross

Date: 7/1/21 Page: 2 Of 2
Project Name: Carmel - ECR Burlingame
Collector: M. Uribe Client Project #: 575-1841
Batch #: T12140 EDF #:

Laboratory ID #	Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY (VOCs)	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain (TPH)	6010/7000 Title 22 Metals (17)	6020 ICP-MS Metals	6010 - LEAD			Comments/Preservative	Total # of containers
16	B4 - 1'	6/30/21	1310	Soil	Ring											/				
17	B4 - 5'		1315																	
18	B4 - 10'		1320																	
19	B4 - 15'		1325				/						/	/						
20	B4 - 20'		1330																	
21	B5 - 1'		1405				/						/	/						
22	B5 - 5'		1410																	
23	B5 - 10'		1415																	
24	B5 - 15'		1420																	
25	B5 - 20'		1425																	
26	B-1-W		1010	Water	VOAs		/						/							
27	B-2-W		1100				/						/							
28	B-3-W		1300				/						/							
29	B-4-W		1345				/						/							
30	B-5-W		1445				/						/							

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	7/1/21 17:30	GSO#: 548862359	
GLS	7/2/21 9:14	[signature]	7/2/21 9:14

Total # of containers
Chain of Custody seals (Y)N/NA: Y
Seals intact? (Y)N/NA: Y
Received good condition/cold: 2.1°C

Turn around time: STD

Notes: ARCHIVE ALL SAMPLES NOT RUN

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

COC 192604

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T212140

Client Name: Intertek PSI Project: Carmel - ECR Burlingame

Delivered by: ☐ Client ☐ SunStar Courier ☑ GLS ☐ FedEx ☐ UPS

If Courier, Received by: _____ Date/Time Courier Received: _____

Lab Received by: Paul Date/Time Lab Received: 7/2/21 9:14

Total number of coolers received: 1 Thermometer ID: SC-1 Calibration due: 8/17/21

Temperature: Cooler #1	2.3 °C +/- the CF (-0.2°C) =	2.1 °C corrected temperature		
Temperature: Cooler #2	°C +/- the CF (-0.2°C) =	°C corrected temperature		
Temperature: Cooler #3	°C +/- the CF (-0.2°C) =	°C corrected temperature		
Temperature criteria = ≤ 6°C (no frozen containers)	Within criteria?	☑ Yes	☐ No	☐ N/A
If NO:				
Samples received on ice?	☐ Yes	☐ No → **Complete Non-Conformance Sheet**		
If on ice, samples received same day collected?	☐ Yes → Acceptable	☐ No → **Complete Non-Conformance Sheet**		
Custody seals intact on cooler/sample		☑ Yes	☐ No*	☐ N/A
Sample containers intact		☑ Yes	☐ No*	
Sample labels match Chain of Custody IDs		☑ Yes	☐ No*	
Total number of containers received match COC		☑ Yes	☐ No*	
Proper containers received for analyses requested on COC		☑ Yes	☐ No*	
Proper preservative indicated on COC/containers for analyses requested		☑ Yes	☐ No*	☐ N/A
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times		☑ **Yes**	☐ **No***	

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date: PB 7/2/21

Comments:

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T212140

Client: **PSI -- Oakland** **Project Manager:** **Mike Jaroudi**
Project: **Carmel - ECR Burlingame** **Project Number:** **575-1841**

Report To:
PSI -- Oakland
Frank Poss
4703 Tidewater Ave Ste B
Oakland, CA 94601

Date Due: 07/12/21 17:00 (5 day TAT)
Received By: Paul Berner Date Received: 07/02/21 09:14
Logged In By: Jennifer Berger Date Logged In: 07/02/21 10:42

Samples Received at: **2.1°C**
Custody Seals Yes Received On Ice Yes
Containers Intact Yes
COC/Labels Agree Yes
Preservation Confirı Yes

Analysis	Due	TAT	Expires	Comments
**T212140-01 B1-1' [Soil] Sampled 06/30/21 09:43 (GMT-08:00) Pacific Time (US & **				
6010 Individual Metals	07/12/21 15:00	5	12/27/21 09:43	Pb only
**T212140-02 B1-5' [Soil] Sampled 06/30/21 09:48 (GMT-08:00) Pacific Time (US & **				
6010 Title 22	07/12/21 15:00	5	12/27/21 09:48	
8015 Carbon Chain	07/12/21 15:00	5	07/14/21 09:48	
8260+OXY	07/12/21 15:00	5	07/14/21 09:48	
**T212140-03 B1-10' [Soil] Sampled 06/30/21 09:50 (GMT-08:00) Pacific Time (USHOLD & **				
[NO ANALYSES]				
**T212140-04 B1-15' [Soil] Sampled 06/30/21 09:53 (GMT-08:00) Pacific Time (USHOLD & **				
[NO ANALYSES]				
**T212140-05 B1-20' [Soil] Sampled 06/30/21 10:00 (GMT-08:00) Pacific Time (USHOLD & **				
[NO ANALYSES]				
**T212140-06 B2-1' [Soil] Sampled 06/30/21 11:05 (GMT-08:00) Pacific Time (US & **				
6010 Individual Metals	07/12/21 15:00	5	12/27/21 11:05	Pb only

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T212140

Client: PSI -- Oakland
Project: Carmel - ECR Burlingame
Project Manager: Mike Jaroudi
Project Number: 575-1841

Analysis	Due	TAT	Expires	Comments
T212140-07 B2-5' [Soil] Sampled 06/30/21 11:10 (GMT-08:00) Pacific Time (US				**HOLD**
&				
[NO ANALYSES]				
T212140-08 B2-10' [Soil] Sampled 06/30/21 11:20 (GMT-08:00) Pacific Time (US				
&				
6010 Title 22	07/12/21 15:00	5	12/27/21 11:20	
8015 Carbon Chain	07/12/21 15:00	5	07/14/21 11:20	
8260+OXY	07/12/21 15:00	5	07/14/21 11:20	
T212140-09 B2-15' [Soil] Sampled 06/30/21 11:35 (GMT-08:00) Pacific Time (US				**HOLD**
&				
[NO ANALYSES]				
T212140-10 B2-20' [Soil] Sampled 06/30/21 11:45 (GMT-08:00) Pacific Time (US				**HOLD**
&				
[NO ANALYSES]				
T212140-11 B3-1' [Soil] Sampled 06/30/21 12:30 (GMT-08:00) Pacific Time (US				
&				
6010 Individual Metals	07/12/21 15:00	5	12/27/21 12:30	Pb only
T212140-12 B3-5' [Soil] Sampled 06/30/21 12:35 (GMT-08:00) Pacific Time (US				**HOLD**
&				
[NO ANALYSES]				
T212140-13 B3-10' [Soil] Sampled 06/30/21 12:40 (GMT-08:00) Pacific Time (US				**HOLD**
&				
[NO ANALYSES]				
T212140-14 B3-15' [Soil] Sampled 06/30/21 12:45 (GMT-08:00) Pacific Time (US				**HOLD**
&				
[NO ANALYSES]				
T212140-15 B3-20' [Soil] Sampled 06/30/21 12:50 (GMT-08:00) Pacific Time (US				
&				
6010 Title 22	07/12/21 15:00	5	12/27/21 12:50	
8015 Carbon Chain	07/12/21 15:00	5	07/14/21 12:50	
8260+OXY	07/12/21 15:00	5	07/14/21 12:50	
T212140-16 B4-1' [Soil] Sampled 06/30/21 13:10 (GMT-08:00) Pacific Time (US				
&				
6010 Individual Metals	07/12/21 15:00	5	12/27/21 13:10	Pb only

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T212140

Client:	**PSI -- Oakland**	**Project Manager:**	**Mike Jaroudi**
Project:	**Carmel - ECR Burlingame**	**Project Number:**	**575-1841**

Analysis	Due	TAT	Expires	Comments
T212140-17 B4-5' [Soil] Sampled 06/30/21 13:15 (GMT-08:00) Pacific Time (US				**HOLD**
&				
[NO ANALYSES]				
T212140-18 B4-10' [Soil] Sampled 06/30/21 13:20 (GMT-08:00) Pacific Time (US				**HOLD**
&				
[NO ANALYSES]				
T212140-19 B4-15' [Soil] Sampled 06/30/21 13:25 (GMT-08:00) Pacific Time (US				
&				
6010 Title 22	07/12/21 15:00	5	12/27/21 13:25	
8015 Carbon Chain	07/12/21 15:00	5	07/14/21 13:25	
8260+OXY	07/12/21 15:00	5	07/14/21 13:25	
T212140-20 B4-20' [Soil] Sampled 06/30/21 13:30 (GMT-08:00) Pacific Time (US				**HOLD**
&				
[NO ANALYSES]				
T212140-21 B5-1' [Soil] Sampled 06/30/21 14:05 (GMT-08:00) Pacific Time (US				
&				
6010 Title 22	07/12/21 15:00	5	12/27/21 14:05	
8015 Carbon Chain	07/12/21 15:00	5	07/14/21 14:05	
8260+OXY	07/12/21 15:00	5	07/14/21 14:05	
T212140-22 B5-5' [Soil] Sampled 06/30/21 14:10 (GMT-08:00) Pacific Time (US				**HOLD**
&				
[NO ANALYSES]				
T212140-23 B5-10' [Soil] Sampled 06/30/21 14:15 (GMT-08:00) Pacific Time (US				**HOLD**
&				
[NO ANALYSES]				
T212140-24 B5-15' [Soil] Sampled 06/30/21 14:20 (GMT-08:00) Pacific Time (US				**HOLD**
&				
[NO ANALYSES]				
T212140-25 B5-20' [Soil] Sampled 06/30/21 14:25 (GMT-08:00) Pacific Time (US				**HOLD**
&				
[NO ANALYSES]				

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T212140

Client: PSI -- Oakland
Project: Carmel - ECR Burlingame
Project Manager: Mike Jaroudi
Project Number: 575-1841

Analysis	Due	TAT	Expires	Comments
T212140-26 B-1-W [Water] Sampled 06/30/21 10:10 (GMT-08:00) Pacific Time (US &				
8015 TPH-CC LLvL	07/12/21 15:00	5	07/14/21 10:10	
8260+OXY	07/12/21 15:00	5	07/14/21 10:10	
T212140-27 B-2-W [Water] Sampled 06/30/21 11:00 (GMT-08:00) Pacific Time (US &				
8015 TPH-CC LLvL	07/12/21 15:00	5	07/14/21 11:00	
8260+OXY	07/12/21 15:00	5	07/14/21 11:00	
T212140-28 B-3-W [Water] Sampled 06/30/21 13:00 (GMT-08:00) Pacific Time (US &				
8015 TPH-CC LLvL	07/12/21 15:00	5	07/14/21 13:00	
8260+OXY	07/12/21 15:00	5	07/14/21 13:00	
T212140-29 B-4-W [Water] Sampled 06/30/21 13:45 (GMT-08:00) Pacific Time (US &				
8015 TPH-CC LLvL	07/12/21 15:00	5	07/14/21 13:45	
8260+OXY	07/12/21 15:00	5	07/14/21 13:45	
T212140-30 B-5-W [Water] Sampled 06/30/21 14:45 (GMT-08:00) Pacific Time (US &				
8015 TPH-CC LLvL	07/12/21 15:00	5	07/14/21 14:45	
8260+OXY	07/12/21 15:00	5	07/14/21 14:45	

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By

Date

Geosyntec consultants

engineers | scientists | innovators

LIMITED SOIL VAPOR INVESTIGATION AND HEALTH RISK ASSESSMENT

1766 EL CAMINO REAL, BURLINGAME, CALIFORNIA

Prepared for

Carmel Partners LLC
1000 Sansome Street, 1st Floor
San Francisco, California 94111

Prepared by

Geosyntec Consultants, Inc.
1111 Broadway, 6th Floor
Oakland, California 94607

Project Number: WR3038

February 14, 2022

Geosyntec consultants

Limited Soil Vapor Investigation and Health Risk Assessment

1766 El Camino Real, Burlingame, California

Prepared for

Carmel Partners LLC
1000 Sansome Street, 1st Floor
San Francisco, California 94111

Prepared by

Geosyntec Consultants, Inc.
1111 Broadway, 6th Floor
Oakland, California 94607

Randolph C. Brandt, P.G. (CA)
Senior Principal Geologist

Robert Cheung
Senior Toxicologist

Project Number: WR3038

February 14, 2022

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1. INTRODUCTION

Geosyntec Consultants, Inc. (Geosyntec) has prepared this Draft Limited Soil Vapor Investigation and Health Risk Assessment (HRA) for Carmel Partners LLC (Carmel Partners) documenting the results of a soil vapor investigation and HRA at the property located at 1766 El Camino Real, Burlingame, CA (the Site; **Figure 1**). The Site consists of approximately 1.7 acres of land occupied by a vacant commercial building, parking lot, and landscaped areas. It is our understanding that Carmel Partners is contemplating the purchase of the Site for high-density residential housing with two stories of subterranean parking. The investigation and HRA were conducted in accordance with the Proposal for Environmental Consulting Services and Soil Vapor Investigation dated July 30, 2021, and the Service Order dated October 15, 2021, and authorized by Carmel Partners.

1.1 Proposed Development Plan

The proposed development of the Site is a high-density residential building with two stories of subterranean parking. The lowest floor of the parking garage will be approximately 25 feet below ground surface (bgs), encompassing the footprint of the building. Soil excavated to construct the garage will be excavated and disposed of offsite. A chemically-resistant moisture barrier will be applied to the exterior of the subsurface portion of the parking garage. The parking garage will be designed so that occupation by human attendants will not be required and will be mechanically ventilated to meet fresh air requirements for underground parking garages, as required by the California Mechanical Codes (California Mechanical Code [CMC], 2016).

2. BACKGROUND

The following presents a summary of documents previously prepared for the Site and the Burlingame Police Department (BPD) property located at 1111 Trousdale Drive located adjacent to the northeastern boundary of the Site.

Phase I Environmental Site Assessment, Professional Service Industries, Inc. (PSI), 2021

Professional Service Industries, Inc. (PSI) performed a Phase I Environmental Site Assessment (ESA) for the Site, on July 1, 2021. PSI identified historical uses of the Site, including Millbrae Dairy from approximately 1926 to the mid-1950s. The Site was developed with the present-day commercial building by 1960. PSI identified the surrounding properties as historically part of Millbrae Dairy and subsequently commercially developed in the 1950s and 1970s, then developed with present-day buildings by 2006. According to the PSI Phase I ESA, the Site is approximately 21 feet above mean sea level, and groundwater is estimated to be at a depth of approximately 11 feet bgs. The groundwater flow direction was reportedly anticipated to flow to the north or northeast.

PSI identified the adjacent property to the north of the Site, the Burlingame Police Department (BPD) at 1111 Trousdale Drive, as having a release of gasoline from an underground storage tank (UST) in December 2017. As part of the leak response, approximately 600 cubic yards (cy) of impacted soil was excavated from the BPD property and the excavation backfilled with clean soil. Reportedly, soil on the BPD property contains residual concentrations of total petroleum

hydrocarbons as gasoline (TPH-g) as well as gasoline components benzene, toluene, ethylbenzene, xylenes (BTEX), and naphthalene. Groundwater has also been impacted by TPH and volatile organic compounds (VOCs) at the BPD property.

PSI identified the impacted soil and groundwater at the BPD property as an offsite condition that created a Recognized Environmental Condition (REC) and Vapor Encroachment Condition (VEC) on the Site. PSI did not identify any RECs associated with the historical use of the Site.

Site Investigation, Woodard & Curran, 2021

A review of a 2021 Site Investigation Report prepared for the BPD property indicated that groundwater in the vicinity of the former gasoline UST contained TPH-g, TPH as diesel (TPH-d), TPH as motor oil (TPH-mo), and VOCs including BTEX, methyl tert-butyl ether (MTBE), and trichloroethene (TCE). The highest concentrations of TPH were observed in the temporary well (TW-3) installed 15 feet east to southeast of the former gasoline tank dispenser, with TPH-g at 33,900 micrograms per liter (µg/l), TPH-d at 2,570 µg/l, and TPH-mo at 1,030 µg/l. BTEX and naphthalene were detected at TW-3 at concentrations above the 2019 San Francisco Bay Regional Water Quality Control Board (SFRWQCB) Environmental Screening Levels (ESLs; SFRWQCB, 2019) for potential vapor intrusion (VI) in a residential land use scenario. The method detection limit (MDL) for TCE at TW-3 was elevated due to sample dilution and is above the ESL. Benzene was also detected above the ESL in a temporary well within the footprint of the former gasoline tank (TW-2). No soil sampling was conducted during the investigation. Static groundwater levels were observed in the temporary wells from 7.10 feet bgs (TW-2) to 13.80 feet bgs (TW-3).

Subsurface Investigation Report, PSI, 2021

On June 30, 2021, PSI conducted a Phase II ESA at the Site by advancing five soil borings (B-1 through B-5) to between 20 and 24 feet bgs. The boring locations are shown in **Figure 2.** Soil and grab groundwater samples were collected from each boring. PSI identified the subsurface soil as sandy silt, silty sand, lean clay, and sandy clay. Static groundwater levels in the borings were recorded between 5.5 (B-2) and 18.9 (B-3) feet bgs. In boring (B-4) nearest the footprint of the former gasoline UST on the BPD property, PSI noted a photoionization detector reading of 1.2 ppm from soil collected from 15 feet bgs and collocated with visually identified hydrocarbon impacts. Five soil samples were analyzed for TPH-g, -d, -mo, VOCs, and California Administrative Manual (CAM) 17 metals. An additional four soil samples collected from 1 feet bgs were analyzed for lead only. A grab groundwater sample collected from each boring was analyzed for TPH-g, -d, -mo, and VOCs.

Geosyntec reviewed the analytical data collected during PSI's Phase II ESA and compared the data to the 2019 ESLs. Soil sampling results showed no detections of TPH-g, -d, or VOCs in the samples analyzed; however, TPH-mo was detected in the 1-foot bgs sample from boring B-5 at 18 milligrams per kilogram (mg/kg). This result is below the applicable ESL. The metals detected in the soil samples were below ESLs for residential land use or consistent with background concentrations for the San Francisco Bay Area (LBNL, 2009). TPH-d was detected in the grab groundwater sample collected from boring B-1 at 0.19 milligrams per liter (mg/l), below the maximum contaminant level (MCL) of 0.2 mg/l; TPH-d does not have a VI ESL.

Tetrachloroethene (PCE) was detected in the grab groundwater samples collected from boring B-3 and B-4 at 1.4 micrograms per liter (µg/l) and 6.4 µg/l, respectively, which exceed the ESL for potential VI in a residential scenario of 0.64 µg/l. The PCE result at boring B-4 is also above the MCL of 5.0 mg/kg. MTBE was detected in the groundwater sample collected from boring B-5 at 78 µg/l and above the MCL of 5.0 µg/l, but below the ESL for potential VI in a residential scenario.

3. ONLINE DATABASE REVIEW

Geosyntec reviewed the State Water Resources Control Board (SWRCB) GeoTracker database to identify nearby release sites that could have contributed to potential groundwater impacts beneath the Site. This review identified the presence of an open regulatory case at the former Lux Cleaners at 1560 Trousdale Drive, approximately 600 feet southwest and hydraulically upgradient of the Site. The former Lux Cleaners had a release of dry cleaning chemicals. Investigations at this property indicate that PCE and TCE have impacted soil, groundwater, soil vapor, and indoor air. Review of the July 2020 *Results of Additional Investigation and Conceptual Site Model Report* (CSM) prepared by Piers Environmental Services for the former Lux Cleaners property indicates that PCE has been detected in shallow groundwater at concentrations up to 1,000 µg/l at the property. Additional investigations to install groundwater monitoring wells and prepare work plans for soil and soil vapor remediation were recommended in the CSM. Remedial activities at this property have not been conducted as of the date of this report.

4. LIMITED SOIL VAPOR INVESTIGATION

The objective of the Geosyntec limited soil vapor investigation was to characterize the current concentrations of VOCs in the soil vapor that resulted from adjoining property use. The findings have been used to assess the environmental condition of the soil vapor and the potential risk to future occupants of the Site as well as implications for the planned development activity.

To meet the objective of the investigation, soil vapor samples were collected and chemically analyzed. Soil vapor samples were collected via installation and sampling of nine temporary soil vapor probes. Soil vapor probe installation was performed on August 9, 2021, and soil vapor sampling was performed on August 11 and 12, 2021. Soil vapor probe destruction and backfilling were performed on August 16, 2021. The pre-field and field activities conducted are summarized in the following sections.

4.1 Pre-Field Coordination and Mobilization

Before implementing field activities, Geosyntec coordinated Site access with the property owner and prepared a site-specific health and safety plan related to field activities. Before implementing subsurface activities, Underground Service Alert (USA) North was notified of planned subsurface activities (Ticket number X121501358). On August 2, 2021, Cruz Brothers Locators, a private utility locator, performed a geophysical survey to identify and mark potential utilities, pipelines, or other subsurface obstructions in the vicinity of the proposed soil vapor probe locations.

4.2 Soil Vapor Probe Installation

Soil vapor probe installation was conducted in accordance with the California Department of Toxic Substances Control (DTSC) Advisory for Active Soil Gas Investigations [Advisory] (DTSC, 2015). On August 9, 2021, four shallow soil vapor probes (GVP2S-GVP5S) were installed to a depth of 5 feet bgs and five deeper soil vapor probes (GVP1D-GVP5D) were installed to a depth of 9.75 feet bgs by Cascade Drilling (Cascade), a California C-57 licensed driller in Richmond, California. The locations of the soil vapor probes are shown in **Figure 2.**

The borings were hand augered to a depth of 5 feet bgs, and the deeper borings were then continuously cored using a direct-push (Geoprobe®) drill rig to a maximum depth of 9.75 feet bgs. Soil vapor probes consisted of a 1-inch-long by ½-inch-diameter polyethylene implant screen, set 6 inches above the borehole bottom and connected to ¼-inch outer-diameter (OD) fluorinated ethylene propylene (FEP) tubing extending to the ground surface. Soil vapor probe annular space was filled from bottom-to-top with 1 foot of clean #3 sand (implant screen centered within this interval), followed by 1 foot of dry bentonite crumbles, followed by hydrated bentonite to the ground surface. During continuous coring activities, the soil was field-screened for VOCs using a calibrated PID and logged by Geosyntec according to the Unified Soil Classification System (USCS) under the supervision of a California Professional Geologist. Groundwater was not encountered at any location during soil vapor installation activities. The boring logs and probe construction details are included in **Appendix A**.

Excess soil generated during probe activities and probe materials generated during probe destruction was placed in 55-gallon DOT-approved steel drums, labeled, and placed along the southwest boundary of the Site.

4.3 Soil Vapor Sample Collection and Analysis

Sampling of the soil vapor probes occurred on August 11 and 12, 2021, approximately 48 hours following probe installation. A total of eight primary and two duplicate soil vapor samples were collected from eight temporary soil vapor probes, consistent with recommendations in the Advisory. The sample from GVP2S was unable to be collected due to elevated soil moisture encountered at the time of sampling. Soil vapor sampling, including leak testing, shut-in testing, and purging, was conducted as follows:

- At each soil vapor probe, the sample train and shroud were constructed with new fittings and Nylaflow™ tubing. Teflon™ tape was used on threaded couplings to reduce the potential for air leaks. New Nylaflow™ tubing was screened with a PID before use at each location. All field instruments (PID, helium detector, multi-vapor meter) were calibrated before conducting sampling activities.
- A “shut-in” test was applied to all aboveground sampling equipment by evacuating the line to a vacuum equivalent of 80-90 inches of water. This vacuum was monitored for approximately one minute. If the vacuum was observed to dissipate during the shut-in test, all the aboveground fittings were tightened and the test repeated. This was repeated after the leak test and before sampling, to ensure the integrity of the sampling equipment seals were preserved.

- A leak test was conducted at soil vapor probe locations to confirm that sampling equipment was airtight in accordance with the Advisory. Helium was used as a tracer gas to verify that no significant amount of atmospheric air entered the sample through the annular seal between the ground surface and probe or associated fittings. Detection of less than 5 percent of the minimum concentration in the purge sample demonstrates that the probes are free of surface air leaks. A field meter (GEM 5000) was used to check for the leakage of Helium in the sample train. Helium was not detected in purge samples above five percent of the minimum concentration at any probe location.
- Three purge volumes were calculated based on the volume of the void space in the tubing plus an estimate of the void space in the filter pack. Soil vapor was purged from each location with an estimated flow rate of less than 200 milliliters per minute (ml/min) to prevent ambient air intrusion and to limit stripping. These flow rates are consistent with flow rates recommended in the Advisory. During purging, excessive vacuum (greater than 100 inches of water [in H_2O]) was observed in GVP2D due to elevated soil moisture, and a decision was made to stop purging and begin sampling after a period of equilibration.

The soil vapor samples were collected following purging and leak and shut-in testing. Each soil vapor sample was collected in a 1-liter Summa™ canister and submitted to Eurofins Air Toxics, a California-certified analytical laboratory, in Folsom, California under standard chain-of-custody protocols for analysis of VOCs by USEPA Method TO-15, as well as fixed gases (helium, carbon dioxide, methane, nitrogen, and oxygen) by ASTM Method D-1946. The completed soil vapor sampling forms are included in **Appendix B**.

The soil vapor probes were destroyed on August 16, 2021, by removing the tubing and annular materials to 5 feet bgs, then backfilling the boreholes with Type II Portland Cement grout capped with concrete at grade.

5. DATA QUALITY ASSURANCE/QUALITY CONTROL REVIEW

The laboratory analytical reports for the soil vapor samples are included in **Appendix C**. Geosyntec conducted a data quality assurance/quality control (QA/QC) review of the analytical data upon receipt. Data were reviewed to assess completeness, accuracy, precision, sample contamination, and conformance with holding times.

5.1 Soil Vapor QA/QC

To determine whether the samples were contaminated during the analytical procedures, laboratory method blanks (MB), and laboratory control sample/laboratory control sample duplicate (LCS/LCSD) pairs were prepared and analyzed. To assess the analytical and sampling protocol precision, two field duplicate soil vapor samples were collected.

- Due to the presence of soil moisture in probe GVP2D during sample collection, the sample canister was submitted to the laboratory with significant vacuum remaining, resulting in elevated reporting limits (RLs) for that sample.

- Three MBs for USEPA Method TO-15 (lab sample IDs 11A, 11B, and 11C) and two MBs for ASTM Method D-1946 (lab sample IDs 11A and 11B) were analyzed and reported. There were no fixed gas detections above the RLs in the D-1946 MB, however, carbon disulfide was detected in the first TO-15 MB at an estimated concentration of 0.34 micrograms per cubic meter (µg/m^3), 2-propanol and acetone were detected in the second TO-15 MB at estimated concentrations of 0.78 µg/m^3 and 1.2 µg/m^3 respectively, and ethanol was detected in the third TO-15 MB at an estimated concentration of 15 µg/m^3.
- Three LCS/LCSD pairs for USEPA Method TO-15 (lab sample IDs 13A/13AA, 13B/13BB, and 13C/13CC) and one LCS/LCSD pair for ASTM Method D-1946 (lab sample IDs 13A/13AA) were analyzed and reported. The results were within the laboratory-specified acceptance criteria for recovery, except for the recovery outside control limits of hexachlorobutadiene (69%) and MTBE (69%) in the first TO-15 LCS and third LCS/LCSD pair respectively.
- Three continuous calibration verification (CCV) samples for USEPA Method TO-15 (lab sample IDs 12A, 12B, and 12C) and one CCV sample for ASTM Method D-1946 (lab sample ID 12A) were analyzed and reported. Various non-detected TO-15 results below the MDL in some primary samples were reported with "UJ" laboratory qualifiers, indicating association with a low bias detected in the CCV sample.
- The surrogate recoveries in the samples were within acceptable limits.
- The relative percent differences (RPDs) calculated for the analytes in both primary/FD pairs were within the 0-50% acceptable range as specified in Section 6.3.2 of the Advisory, except for carbon tetrachloride. The RPD between carbon tetrachloride results in GVP5S and its field duplicate QCFD-2 is 70%. However, as both carbon tetrachloride results are well below the ESL for potential VI in a residential scenario, this result does not present an overall data quality concern.
- The samples were analyzed for helium concentration by ASTM International D-1946. Helium was detected in the soil vapor samples at estimated concentrations ranging from 0.0051 % to 0.031 %, equivalent to no more than 0.18% of the lowest helium concentration in the shroud during sampling. The results are in accordance with the requirement of acceptable ambient air leak of up to 5% based on the Advisory.

The QA/QC review confirms that the data of samples are of acceptable quality.

6. SOIL VAPOR INVESTIGATION RESULTS

Detected VOCs and fixed gases are summarized in **Table 1** and **Table 2,** respectively. The analytical results were compared to regulatory screening levels for soil vapor for both a residential and construction worker scenario. Geosyntec first compared the analytical data to the ESLs (SFBRWQCB, 2019) but if an ESL was not established for a particular analyte, screening levels were calculated using a default ambient air to soil vapor attenuation factor of 0.03 applied to the Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 modified screening levels (DTSC-SLs; 2021) or the US Environmental Protection Agency (USEPA) Region 9 Regional Screening

Levels (RSLs; 2021). Detections of VOCs in soil vapor above applicable residential and commercial screening levels (SLs) are depicted in **Figure 3** along with groundwater sampling results from PSI's June 2021 investigation.

VOCs were detected in the 10 soil vapor samples collected at the Site. 1,2-dichloroethane (1,2-DCA), benzene, carbon tetrachloride, chloroform, methylene chloride, PCE, and vinyl chloride were detected at concentrations that exceeded their respective SLs for residential land use. Benzene, chloroform, and PCE were detected at concentrations above their respective SLs for commercial land use.

The results of the soil vapor investigation are summarized below:

- 1,2-DCA was detected in four of the 10 samples at concentrations ranging from 1.2 µg/m^3 (GVP3D) to 21 µg/m^3 (GVP5S and its duplicate). The concentrations detected at GVP5S and GVP5D are above the residential ESL of 3.6 µg/m^3. 1,2-DCA exceeded the commercial SL of 16 µg/m^3 in 2 of the samples (GVP5S and its duplicate GVP5S-Dup).
- Benzene was detected in the 10 samples at concentrations ranging from an estimated concentration of 7.2 µg/m^3 (GVP3S) to 200 µg/m^3 (GVP5S) and all 10 were above the residential ESL of 3.2 µg/m^3. Benzene exceeded the commercial SL of 14 µg/m^3 in 8 of the samples.
- Carbon tetrachloride was detected in eight of 10 samples at concentrations ranging from an estimated concentration of 0.53 µg/m^3 (GVP3D) to 20 µg/m^3 (GVP5D). The concentration detected at GVP5D is above the residential ESL of 16 µg/m^3.
- Chloroform was detected in seven of 10 samples at concentrations ranging from 1.2 µg/m^3 (GVP3D) to 48 µg/m^3 (GVP5S). The concentrations detected at GVP1D, GVP3S, GVP4S, GVP5S and its duplicate, and GVP5D are above the residential ESL of 4.1 µg/m^3. Chloroform exceeded the commercial SL of 18 µg/m^3 in 3 of the samples.
- Methylene chloride was detected in seven of 10 samples at estimated concentrations ranging from 15 µg/m^3 (GVP2D) to 63 µg/m^3 (the duplicate collected at GVP4D). The concentrations detected at GVP3S, GVP4S, and GVP4D and its duplicate are above the residential ESL of 34 µg/m^3.
- PCE was detected in eight of 10 samples at concentrations ranging from 0.66 µg/m^3 (estimated) in GVP3D to 450 µg/m^3 in GVP4S. The concentrations detected at GVP2D, GVP4S, GVP4D and its duplicate, and GVP5D are above the residential ESL of 15 µg/m^3. PCE exceeded the commercial SL of 67 µg/m^3 in 4 of the samples.
- Vinyl chloride was detected in the sample collected at GVP3D at 0.72 µg/m^3, above the ESL of 0.32 µg/m^3.

Concentrations of the remaining VOCs detected in the soil vapor samples did not exceed their respective residential or commercial SLs.

7. HEALTH RISK ASSESSMENT

To evaluate potential adverse health effects from possible exposures to chemicals detected in soil vapor and groundwater as described in Sections 6 and 2, respectively, Geosyntec conducted a vapor intrusion health risk assessment (VIHRA) and a human health risk assessment for construction workers (HHRA-cw) assuming the proposed development plan as described in Section 1.1.

The objective of the VIHRA is to provide an analysis of potential adverse health effects attributable to chemicals detected in soil vapor and groundwater potentially migrating into indoor air given the proposed development plan. The objective of the HHRA-cw is to provide an analysis of potential adverse health effects from chemicals detected in the soil vapor and groundwater potentially migrating into a construction trench. The results of the VIHRA and HHRA-cw are used to identify the chemicals detected in soil vapor and groundwater that may require further evaluation, risk management, mitigation, and/or remediation measures to limit potential exposures to a future resident and a future construction worker during grading and excavation activities.

The VIHRA and HHRA-cw are included in **Appendices D and E**, respectively. The following presents a summary of the risk assessment findings.

7.1 Risk Assessment Findings

The VIHRA and HHRA-cw risk assessments evaluated both theoretical cancer risks and noncancer hazard indices (HI) for a future resident and a future worker in a manner consistent with the current California Environmental Protection Agency (Cal-EPA) and the United States Environmental Protection Agency (EPA) guidance. To characterize noncarcinogenic health hazards, noncancer HI were compared to EPA's and California Environmental Protection Agency (Cal-EPA)'s acceptable HI of 1. To characterize carcinogenic health risks, the results were compared to EPA's acceptable risk range of 1×10^{-6} to 1×10^{-4}, with Cal-EPA's 1×10^{-6} (one in one million) as the *de minimis* risk level and the point of departure for making risk management decisions. These risks are lower than the background risk of cancer in the general population, which for Americans is approximately one chance in two (0.5 or 5.0×10^{-1}) for males and one chance in three (0.33 or 3.3×10^{-1}) for females (American Cancer Society, 2017).

- For a future resident and based on the proposed development of a two-story underground parking structure, the estimated noncancer HI and theoretical excess lifetime cancer risk from VOCs in soil vapor are less than 1 and less than the de minimis risk level, respectively (Table D-1). For VOCs in groundwater, the estimated noncancer HI and theoretical excess lifetime cancer risk are less than 1 and less than the de minimis risk level, respectively (Table D-2).
- For a future construction worker, the estimated noncancer HIs from VOCs in soil vapor and groundwater migrating into a trench are less than 1 (Table E-5). The theoretical excess lifetime cancer risk from VOCs in soil vapor and groundwater is less than the de minimis risk level (Table E-6).

Because risk assessments contain sources of uncertainty, simplifying assumptions were made so that theoretical health risks and hazards can be estimated. Since the exact amount of uncertainty cannot be quantified, the risk assessments were intended to overestimate rather than underestimate theoretical cancer risk or noncancer hazard using existing analytical data collected from the Site in a manner consistent with agency guidance at the time it was prepared. Should future Site plans, conditions, or toxicity criteria change, the information and conclusions in the risk assessments may need to be revisited and/or updated.

8. FINDINGS AND CONCLUSIONS

The results of the previous Phase I and II ESAs for the Site did not identify any historical on-site activities that could have contributed to soil, soil vapor, or groundwater contamination. However, the ESAs did identify offsite sources that have the potential to have impacted soil vapor and groundwater beneath the Site. The results of the limited soil vapor investigation conducted by Geosyntec indicate that 1,2-DCA, benzene, carbon tetrachloride, chloroform, methylene chloride, PCE, and vinyl chloride are present in soil vapor at concentrations above their respective SLs for residential land use.

Results of a previous Site investigation did not identify VOCs in the soil; however, PCE and MTBE were detected in the groundwater beneath the Site above their respective Groundwater VI ESLs. 1,2-DCA and benzene detected in soil vapor and TPH-d and MTBE detected in groundwater may be related to the gasoline release on the adjacent BPD property. The detections of PCE, carbon tetrachloride, and vinyl chloride, a breakdown product of PCE, in soil vapor and/or groundwater, may be associated with the upgradient release at the former dry cleaner located upgradient of the Site. The detection of chloroform in soil vapor may be naturally occurring or associated with chlorine used as a disinfectant in public water supplies and, therefore, may be associated with leaking water lines or irrigation on the Site and surrounding properties.

Based on the results of the limited soil vapor investigation and the previous groundwater investigation, a VIHRA and HHRA-cw were conducted to evaluate potential adverse health effects as a result of possible exposure to chemicals that may migrate into indoor air or a construction trench from soil vapor and groundwater. The VIHRA is based on the proposed development plans of a ventilated two-story underground parking garage with a chemically-resistant moisture barrier applied to the exterior of the subsurface portion of the parking garage, and a residential floor above the garage.

Considering Site-specific development plans and the existing environmental condition of the Site, the theoretical health risk from vapor intrusion into indoor air (residential users) and trench air (construction workers) is below the *de minimis* risk level for chemicals detected in soil vapor and groundwater. Because the theoretical health risk is below the *de minimis* risk level, mitigation measures are not warranted to address VOCs in soil vapor or groundwater. Should Site conditions or proposed development plans change, the VIHRA and HHRA-cw should be re-evaluated.

9. LIMITATIONS AND RELIANCE

Geosyntec has prepared this Limited Soil Vapor Investigation and HRA at the request of Carmel Partners. The findings and conclusions presented in this report are the results of Geosyntec's professional interpretation of the information collected at the time of the above-described fieldwork and on the development information available at the time the HRA was conducted. As new information becomes available, the assumptions and conclusions should be reevaluated.

We cannot "certify" or guarantee that any property is free of environmental impairment. No warranties regarding the environmental quality of the property are expressed or implied. Use of the information contained in this report by anyone other than Carmel Partners is permissible only with prior written authorization to do so from Geosyntec. We are not responsible for independent conclusions, opinions, or recommendations made by others or otherwise based on the findings presented in this report.

10. REFERENCES

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TABLES

Table 1
Soil Vapor Analytical Results

1766 El Camino Real
Burlingame, California

Sample Location	Sample Date	Concentration (µg/m³)																
		1,2,4-TMB	1,2-DCA	1,3,5-TMB	1,4-Dioxane	2,2,4-TMP	4-Ethyltoluene	Acetone	Benzene	Carbon Disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloro-methane	cis-1,2-DCE	Cyclohexane	Ethanol	Ethyl Benzene
Screening Level - residential		2,100[3]	3.6[1]	2,100[3]	12[1]	NE	NE	1,100,000[1]	3.2[1]	24,300[3]	16[1]	1,700[1]	350,000[1]	4.1[1]	3,100[1]	280[1]	210,000[3]	NE	37[1]
Screening Level -commercial		8,700[3]	16[1]	8,700[3]	53[1]	NE	NE	4,500,000[1]	14[1]	100,000[3]	68[1]	7,300[1]	1,500,000[1]	18[1]	13,000[1]	1,200[1]	870,000[3]	NE	160[1]
GVP1D	8/12/2021	<33	<27	<33	<96	**1,800**	<33	**59 J**	**130**	<83	<42	<31	<71	**44**	<140	<26	**300**	<130	**18 J**
GVP2D	8/12/2021	<19	<16	<19	<56	**820**	<19	**76 J**	**54**	**67**	<24	<18	<41	<19	<80	**4.4 J**	**310**	**51 J**	**4.7 J**
GVP3S	8/11/2021	<20	<17	<20	<59	**32**	<20	**150**	**7.2 J**	**30 J**	**4.7 J**	<19	<43	**9.5 J**	<85	<16	**550**	<78	<18
GVP3D	8/11/2021	**1.6**	**1.2**	**0.64 J**	**0.84**	**160**	**1.5**	**82**	**13**	**100**	**0.53 J**	**0.14 J**	**0.23 J**	**1.2**	**0.50 J**	<0.82	**29**	<1.9	**1.7**
GVP4S	8/11/2021	<28	<23	<28	<81	**130**	<28	**270**	**19**	**19 J**	**9.3 J**	<26	<60	**14 J**	<120	<22	**1,200**	<110	<24
GVP4D	8/11/2021	<56	<46	<56	<160	**1,000**	<56	**90 J**	**48**	**14 J**	**14 J**	<53	<120	<56	<94	<45	**1,500**	<86	<50
GVP4D-Dup	8/11/2021	<56	<46	<56	<160	**1,000**	<56	**74 J**	**40**	**14 J**	**14 J**	<53	<120	<56	<94	<45	**1,500**	<86	<50
GVP5S	8/11/2021	**1.6 J**	**21**	<5.0	<3.6	**2,500 E**	**2.2 J**	**130**	**200**	**17**	**8.3**	<4.6	<13	**48**	**1.7 J**	<4.0	**210**	<9.5	**5.4**
GVP5S-Dup	8/11/2021	<10	**21**	<10	<30	**1,400**	<10	**140**	**170**	**17 J**	**4.0 J**	<9.7	<22	**43**	<43	<8.3	**160**	**29 J**	**5.6 J**
GVP5D	8/11/2021	<10	**16**	<10	<7.7	**1,400**	<10	**88**	**51**	**18 J**	**20**	<9.9	<28	**15**	**4.2 J**	<8.5	**2,800**	<20	**2.2 J**

Notes:

[1] Screening level based on the San Francisco Regional Water Quality Control Board Environmental Screening Level (ESL) for soil vapor (July 2019).

[2] Screening level based on Department of Toxic Substance Control Screening Level, HERO Human Health Risk Assessment Note 3 SL (June 2020) and a default AF of 0.03.

[3] Screening level based on U.S. Environmental Protection Agency Region 9 Regional Screening Level (RSL) using THQ of 1.0 (May 2020) and a dafault AF of 0.03.

µg/m³ = micrograms per cubic meter
< # = Compound was not detected above the reporting limit (#)
Dup = Field duplicate sample
E = Exceeds instrument calibration range
HERO= Human & Ecological Risk Office
J = Estimated value
THQ = Total Hazard Quotient
NE = Not established
AF = Attenuation factor

BFB = Bromofluorobenzene
DCA = Dichloroethane
DCE = Dichloroethene
MBK = Methyl butyl ketone (2-Hexanone)
MEK = Methyl ethyl ketone (2-Butanone)
IPA = Isoproanol (2-Propanol)

MIK = Methyl isobutyl ketone (4-Methyl-2-pentanone)
PCE = Tetracholorethene
TCE = Trichloroethene
TMB = Trimethylbenzene
TMP = Trimethylpentane

- If both cancer and non-cancer endpoints screening levels were available, the lower of the two values was used.
- Bold values indicate detection above the reporting limit.
- Highlighted calls indicate the result exeeds the residential screening level.
- Highlighted calls indicate the result exeeds the commercial screening level.

Table 1
Soil Vapor Analytical Results

1766 El Camino Real
Burlingame, California

Sample Location	Sample Date	Concentration (µg/m³)																
		Freon 11	**Freon 113**	**Freon 12**	**Heptane**	**Hexane**	**IPA**	**MBK**	**MEK**	**Methylene Chloride**	**MIK**	**PCE**	**Propylbenzene**	**Styrene**	**Toluene**	**TCE**	**Vinyl Chloride**	**m,p-Xylene**	**o-Xylene**
Screening Level - residential		43,330[2]	NE	3,330[3]	14,000[3]	24,300[3]	7,000[3]	1,000[3]	170,000[1]	34[1]	100,000[1]	15[1]	33,330[3]	31,000[1]	10,000[1]	16[1]	0.32[1]	3,500[1]	3,500[1]
Screening Level - commercial		180,000[2]	NE	15,000[3]	60,000[3]	100,000[3]	29,000[3]	4,300[3]	730,000[1]	410[1]	440,000[1]	67[1]	150,000[3]	130,000[1]	44,000[1]	100[1]	5.2[1]	140,000[1]	140,000[1]
GVP1D	8/12/2021	<38	<51	<33	**560**	**2,700**	**25 J**	<110	<79	**34 J**	<27	<45	<33	<28	**190**	<36	<17	**42**	**12 J**
GVP2D	8/12/2021	**5.3 J**	**4.8 J**	<19	**190**	**1,700**	**35 J**	<64	**10 J**	**15 J**	<16	**180**	<19	<16	**46**	**16 J**	<9.9	**10 J**	<17
GVP3S	8/11/2021	<23	<32	<20	**16 J**	**170**	**17 J**	<67	**16 J**	**40 J**	**3.6 J**	<28	<20	<18	**7.2 J**	<22	<10	<18	<18
GVP3D	8/11/2021	**0.24 J**	**0.22 J**	<5.1	**43**	**150**	**19**	**0.50 J**	**15**	<1.4	<0.84	**0.66 J**	**0.42 J**	**0.36 J**	**16**	<1.1	**0.72**	**4.9**	**1.7**
GVP4S	8/11/2021	**8.2 J**	**8.5 J**	<28	**42**	**550**	**21 J**	<92	<67	**48 J**	**7.6 J**	**450**	<28	<24	**21 J**	<30	<14	<24	<24
GVP4D	8/11/2021	**10 J**	<88	<57	**140**	**2,500**	<110	<190	<140	**61 J**	<47	**120**	<56	<49	**20 J**	<62	<29	<50	<50
GVP4D-Dup	8/11/2021	**12 J**	<88	<57	**130**	**2,500**	<110	<190	<140	**63 J**	<47	**130**	<56	<49	**20 J**	<62	<29	<50	<50
GVP5S	8/11/2021	**0.78 J**	<7.7	<25	**660**	**2,800 E**	**6.0 J**	<21	**16**	<7.0	<4.1	**5.4 J**	<5.0	<4.3	**110**	<5.4	<2.6	**10**	**3.0 J**
GVP5S-Dup	8/11/2021	<12	<16	<10	**390**	**3,000 E**	**11 J**	<34	**16 J**	**34 J**	<8.6	**8.2 J**	<10	<8.9	**100**	<11	<5.4	**11**	**3.6 J**
GVP5D	8/11/2021	**14**	**19**	**3.8 J**	**370**	**2,400**	**9.1 J**	<44	**13 J**	<15	<8.8	**16**	<10	<9.2	**33**	<12	<5.5	**5.2 J**	**1.9 J**

Notes:

[1] Screening level based on the San Francisco Regional Water Quality Control Board Environmental Screening Level (ESL) for soil vapor (July 2019).

[2] Screening level based on Department of Toxic Substance Control Screening Level, HERO Human Health Risk Assessment Note 3 SL (June 2020) and a default AF of 0.03.

[3] Screening level based on U.S. Environmental Protection Agency Region 9 Regional Screening Level (RSL) using THQ of 1.0 (May 2020) and a dafault AF of 0.03.

µg/m³ = micrograms per cubic meter
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BFB = Bromofluorobenzene
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IPA = Isoproanol (2-Propanol)

MIK = Methyl isobutyl ketone (4-Methyl-2-pentanone)
PCE = Tetracholorethene
TCE = Trichloroethene
TMB = Trimethylbenzene
TMP = Trimethylpentane

- If both cancer and non-cancer endpoints screening levels were available, the lower of the two values was used.
- Bold values indicate detection above the reporting limit.
- Highlighted calls indicate the result exeeds the residential screening level.
- Highlighted calls indicate the result exeeds the commercial screening level.

Table 2
Soil Vapor Fixed Gas Analytical Results

1766 El Camino Real
Burlingame, California

Sample Location	Sample Date	Result (%)				
		Carbon Dioxide	Helium	Methane	Nitrogen	Oxygen
GVP1D	8/12/2021	**3.0**	**0.0051 J**	**0.00018 J**	**85**	**12**
GVP2D	8/12/2021	**0.43**	**0.031 J**	**0.0092**	**84**	**16**
GVP3S	8/11/2021	**14**	**0.017 J**	**0.29**	**83**	**2.4**
GVP3D	8/11/2021	**15**	**0.0095 J**	**0.074**	**84**	**1.4**
GVP4S	8/11/2021	**4.0**	**0.017 J**	<0.00023	**82**	**14**
GVP4D	8/11/2021	**0.16**	**0.013 J**	**0.00038**	**85**	**15**
GVP4D-Dup	8/11/2021	**0.17**	**0.013 J**	**0.00046**	**85**	**15**
GVP5S	8/11/2021	**5.5**	**0.0076 J**	**0.084**	**93**	**1.8**
GVP5S-Dup	8/11/2021	**5.6**	**0.0088 J**	**0.083**	**92**	**1.8**
GVP5D	8/11/2021	**0.18**	**0.014 J**	**0.064**	**90**	**9.2**

Notes:

[1]Screening level based on the Department of Toxic Substances Control (DTSC) *Advisory: Active Soil Gas Investigations.* (July 2015)

[2]Screening level based on the San Francisco Regional Water Quality Control Board *User's Guide: Derivation and Application of Environmen*

NA = Not applicable

< # = Compound was not detected above the reporting limit (#)

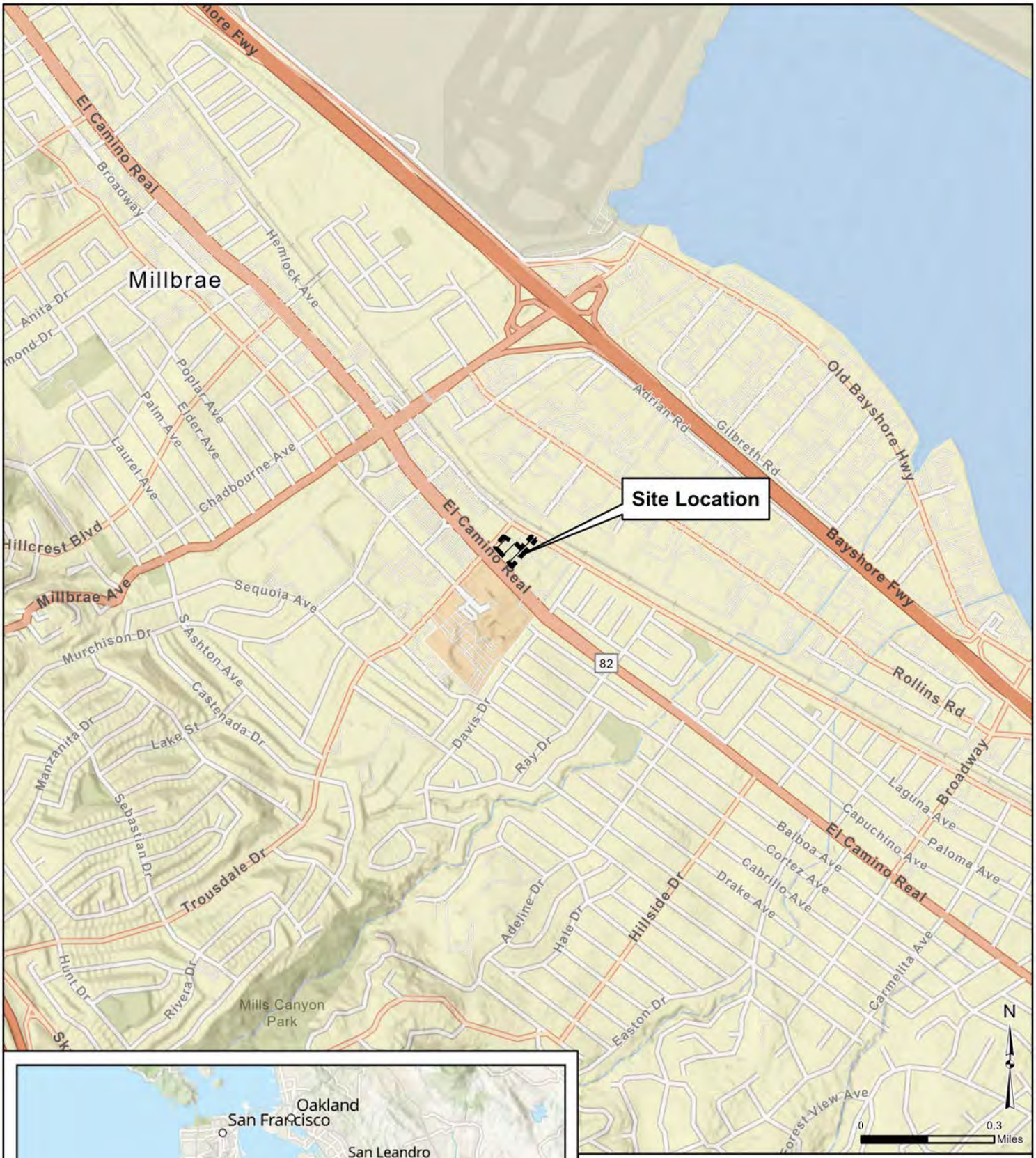
Dup = Field duplicate sample

J = Estimated value

- Bold values indicate detection above the reporting limit.

- Highlighted calls indicate the result do not meet the screening level.

FIGURES



Site Location Map

1766 El Camino Real
Burlingame, California

Geosyntec consultants

WR3038 | September 2021

Figure 1

P:\GIS\ElCaminoRealBurlingame\Project\2021-09_SiteAssessmentReport\SiteAssessmentReport.aprx\Fig01_SiteLocationMap 9/10/2021 11:53 AM (KWalton)

Legend

- Soil Gas Probe Location (GSC, August 2021)
- Boring Location (PSI, June 2021)
- Former Underground Storage Tank Location
- Site Boundary

Notes:
GSC = Geosyntec
PSI = Intertek PSI
- GVP2S was not sampled due to elevated moisture in the soil vapor.
- GVP1S was not installed because the ground surface is approximately 3.5 feet lower than the rest of the Site.
- All locations are approximate.

N

0 80 Feet

Site Layout and Sampling Locations

1766 El Camino Real
Burlingame, California

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Figure 2

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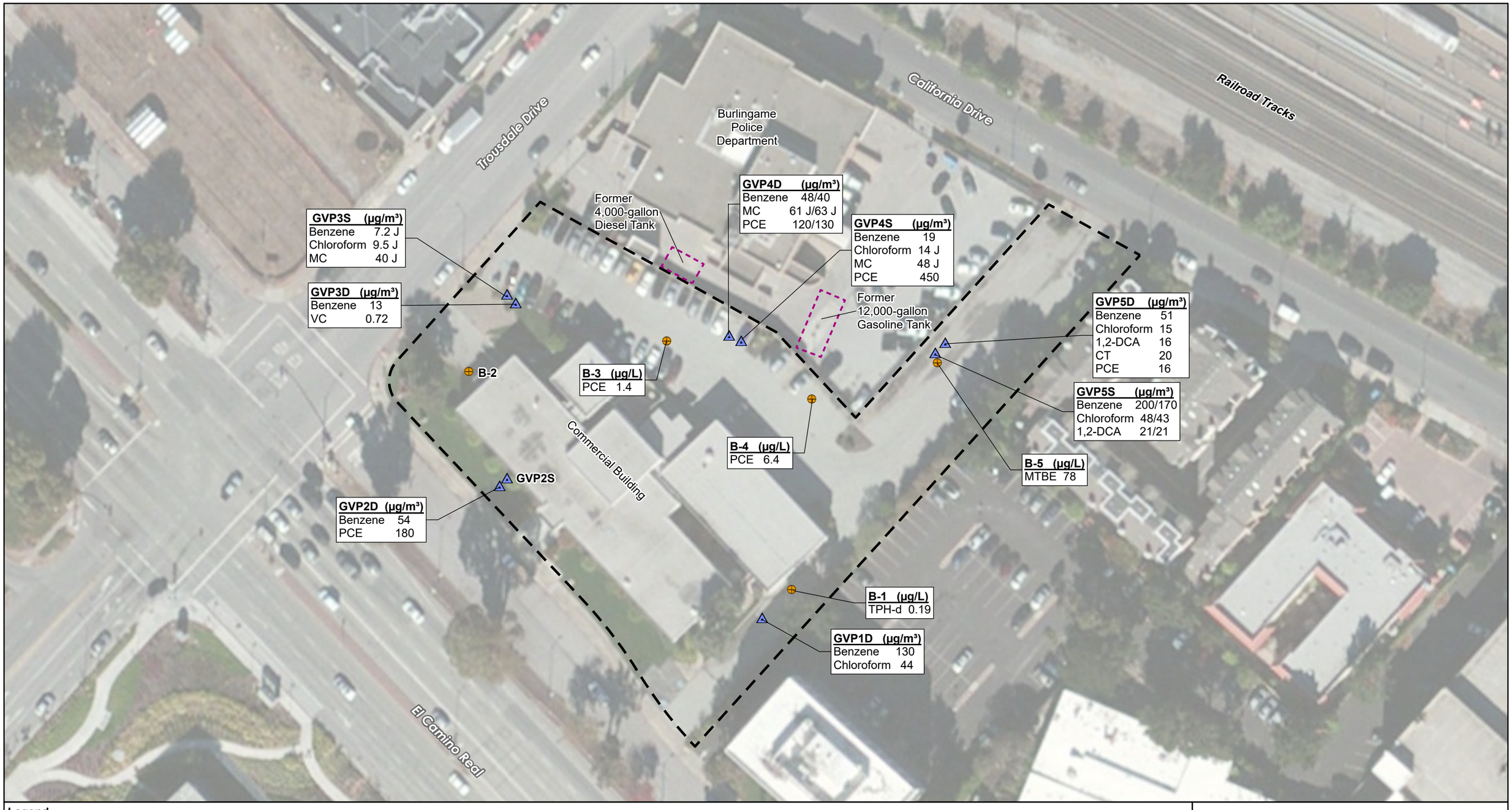

Legend

- Soil Vapor Probe Location (GSC, August 2021)
- Boring Location (PSI, June 2021)
- Former Underground Storage Tank Location
- Site Boundary

Sample Location — **B-1 (µg/L)** — Units
Analyte — TPH-d 0.19 — Result

Notes:

CT = Carbon tetrachloride
DCA = Dichloroethane
GSC = Geosyntec
J = Estimated value
MC = Methylene chloride
MTBE = Methyl tert-butyl ether
PCE = Tetrachloroethene
PSI = Intertek PSI
TPH-d = Total petroleum hydrocarbons as diesel
VC = Vinyl chloride
VOC = Volatile Organic Compound

µg/m³ = micrograms per cubic meter
µg/L = micrograms per liter
200/170 = indicates primary/duplicate results

- Soil vapor results are posted only if they exceed the Residential ESL (San Francisco Regional Water Quality Control Board Environmental Screening Level, July 2019).
- Groundwater data from a PSI Phase II Environmental Site Assessment. June 2021.
- GVP2S was not sampled due to elevated moisture in the soil vapor.
- GVP1S was not installed because the ground surface is approximately 3.5 feet lower than the rest of the Site.
- All locations are approximate.

N

0 60 Feet

VOCs in Soil Vapor and Groundwater

1766 El Camino Real
Burlingame, California

Geosyntec consultants

WR3038 | December 2021

Figure 3

P:\GIS\ElCaminoRealBurlingame\Project\2021-09_SiteAssessmentReport\SiteAssessmentReport.aprx\Fig03_SoilGas_VOCs 9/10/2021 5:31 PM (KWalton)

APPENDIX A
Lithologic Boring Logs

Geosyntec consultants
1111 Broadway. 6th Fl
Oakland, CA 94607
Tel: (510) 836-3034
Fax: (510) 836-3036

GS FORM: BORING LOG W/ WELL

LOG OF GVP1D

START DATE 8/9/2021
FINISH DATE 8/9/2021
PROJECT 1766 El Camino Real
LOCATION Oakland, CA
PROJECT NUMBER WR3038
Elevation FT. MSL

DEPTH (ft)	MATERIAL DESCRIPTION (SOIL NAME (USCS SYMBOL): Color, Moisture, Grain Size and Percentage, Plasticity, Consistency/Density, Other (Odor, Dry Strength, Mineral Content))	SYMBOLIC LOG	WELL LOG	Well Construction Material	SAMPLES: ANALYTE	SAMPLES: INTERVAL	SAMPLES: RECOVERY (%)	SAMPLES: PID READING (ppm)	TIME	COMMENTS
	Asphalt (4-in)			0 - 4.25 ft bgs: hydrated bentonite crumbles #8 (Cetco)				4.0		- Ground surface approximately 3.5 ft lower than rest of Site - Hand augered top 5 ft bgs - 2.3 ppm ambient VOCs
	Well graded SAND (SW), 10YR 4/2 (dark grayish brown), dry, 2% subangular gravel, 93% fine to coarse sand, 5% fines, loose, no odor, distinct contact									
1	Poorly graded SAND with silt (SP-SM), 10YR 4/6 (dark yellowish brown), moist, 70% medium sand, 30% fines, loose, no odor, unidentified bottom contact									
2				0.25-in-OD FEP tubing			100	2.1		
3										
4	Poorly graded SAND with silt (SP-SM), 10YR 4/6 (dark yellowish brown), moist, 60% fine sand, 40% fines, loose, no odor, clay nodules, unidentified bottom contact			4.25 - 5.25 ft bgs: dry bentonite crumbles #8 (Cetco)				2.5 2.2		
5	Poorly graded SAND (SP-SM), 2.5Y 6/4 (light yellowish brown), moist, 90% fine sand, 10% fines, loose, unidentified bottom contact			5.25 - 6.25 ft bgs: lapis lustre sand #3 (Cemex) 1-in-long polyethylene implant			100			
6	Poorly graded SAND with silt (SP-SM), 10YR 4/6 (dark yellowish brown), moist, 60% fine sand, 40% fines, loose, no odor, clay nodules, distinct contact							2.4		
	Boring terminated at 6.25 ft bgs									

CONTRACTOR	Cascade	**NORTHING**	
EQUIPMENT	Geoprobe 7822DT	**EASTING**	
DRILL MTHD	HA/DPT	**ANGLE**	Vertical
DIAMETER (in)	3.25 (HA)/2.25 (DPT)	**BEARING**	------
LOGGER	W. Irons	**REVIEWER** K. Brandt	**PRINTED** 09/20/21

REMARKS: Probe destroyed on 8/16/21 by pulling tubing and augering out top 6 ft. Backfilled with Type II Portland cement grout. Capped with quick-set concrete.

COORDINATE SYSTEM:

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

Geosyntec consultants
1111 Broadway. 6th Fl
Oakland, CA 94607
Tel: (510) 836-3034
Fax: (510) 836-3036

GS FORM: BORING LOG W/ WELL

LOG OF GVP2S

START DATE 8/9/2021
FINISH DATE 8/9/2021
PROJECT 1766 El Camino Real
LOCATION Oakland, CA
PROJECT NUMBER WR3038
Elevation FT. MSL

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOLIC LOG	WELL LOG	Well Construction Material	SAMPLES: ANALYTE	SAMPLES: INTERVAL	SAMPLES: RECOVERY (%)	SAMPLES: PID READING (ppm)	TIME	COMMENTS
	Sod (5-in)			0 - 3 ft bgs: hydrated bentonite crumbles #8 (Cetco)				2.2		- Hand augered top 5 ft bgs - 2.2 ppm ambient VOCs - Lithology logged from GVP2D located approximately 3 ft SW
	Organic soil with sand (OL), 10YR 3/2 (very dark grayish brown), moist, 70% fine sand, 30% fines, loose, no odor, plant roots, unidentified bottom contact									
1	Silty SAND (SM), 10YR 5/3 (brown), moist, 15% medium sand, 70% fine sand, 15% fines, loose, no odor, few roots, unidentified bottom contact			0.25-in-OD FEP tubing				1.9		
2	Well-graded SAND with silt (SW-SM), 2.5Y 4/2 (dark grayish brown), dry, 5% coarse subangular sand, 5% medium sand, 80% fine sand, 10% fines, loose, no odor, unidentified bottom contact						100	2.3		
3	Silty SAND (SM), 2.5Y 5/3 (light olive brown), moist, 80% fine sand, 20% fines, loose, no odor, unidentified bottom contact			3 - 4 ft bgs: dry bentonite crumbles #8 (Cetco)				3.0		
	Sandy lean CLAY (CL), 2.5Y 4/2 (dark grayish brown), 40% fine sand, 60% fines, [moisture,consistency, plasticity not recorded], unidentified bottom contact									
4	As above: wet, distinct bottom contact			4 - 5 ft bgs: lapis lustre sand #3 (Cemex) 1-in-long polyethylene implant						
5	Boring terminated at 5 ft bgs									

CONTRACTOR Cascade
EQUIPMENT
DRILL MTHD HA
DIAMETER (in) 3.25 (HA)
LOGGER W. Irons **REVIEWER** K. Brandt

NORTHING
EASTING
ANGLE Vertical
BEARING ------
PRINTED 09/20/21

REMARKS: Probe destroyed on 8/16/21 by pulling tubing and augering out top 5 ft. Backfilled with Type II Portland cement grout. Capped with quick-set concrete.

COORDINATE SYSTEM:

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

BORING LOG W/ WELL WR3038.GPJ GEOSNTEC.GDT 20/9/21

Geosyntec consultants
1111 Broadway. 6th Fl
Oakland, CA 94607
Tel: (510) 836-3034
Fax: (510) 836-3036

GS FORM: BORING LOG W/ WELL

LOG OF GVP2D

START DATE 8/9/2021
FINISH DATE 8/9/2021
PROJECT 1766 El Camino Real
LOCATION Oakland, CA
PROJECT NUMBER WR3038
Elevation FT. MSL

DEPTH (ft)	MATERIAL DESCRIPTION	Well Construction Material	SAMPLES: ANALYTE	SAMPLES: INTERVAL	SAMPLES: RECOVERY (%)	SAMPLES: PID READING (ppm)	TIME	COMMENTS
	Sod (5-in)	0 - 7.75 ft bgs: hydrated bentonite crumbles #8 (Cetco)				2.2		- Hand augered top 5 ft bgs - 2.2 ppm ambient VOCs
1	Organic soil with sand (OL), 10YR 3/2 (very dark grayish brown), moist, 70% fine sand, 30% fines, loose, no odor, plant roots, unidentified bottom contact							
	Silty SAND (SM), 10YR 5/3 (brown), moist, 15% medium sand, 70% fine sand, 15% fines, loose, no odor, few roots, unidentified bottom contact					1.9		
2	Well-graded SAND with silt (SW-SM), 2.5Y 4/2 (dark grayish brown), dry, 5% coarse subangular sand, 5% medium sand, 80% fine sand, 10% fines, loose, no odor, unidentified bottom contact	0.25-in-OD FEP tubing				2.3		
3	Silty SAND (SM), 2.5Y 5/3 (light olive brown), moist, 80% fine sand, 20% fines, loose, no odor, unidentified bottom contact				100			
	Sandy lean CLAY (CL), 2.5Y 4/2 (dark grayish brown), 40% fine sand, 60% fines, [moisture,consistency, plasticity not recorded], unidentified bottom contact					3.0		
4	As above: wet, distinct bottom contact							
5								
6						1.4		
7	Fay CLAY (CH), 10YR 4/3 (brown), dry, 5% fine sand, 95% fines, firm, mottled with 5Y 2.5/2 (black), no odor, gradational bottom contact				66			
8	Silty SAND (SM), [color not recorded], dry, 80% fine sand, 20% fines, moderately dense, no odor, black charred spots, gradational bottom contact	7.75 - 8.75 ft bgs: dry bentonite crumbles #8 (Cetco)				1.3		
9	As above: 2.5Y 5/3 (light olive brown), increased clay, weakly cemented	8.75 - 9.75 ft bgs: lapis lustre sand #3 (Cemex) 1-in-long polyethylene implant						
	Boring terminated at 9.75 ft bgs							

CONTRACTOR Cascade
EQUIPMENT Geoprobe 7822DT
DRILL MTHD HA/DPT
DIAMETER (in) 3.25 (HA)/2.25 (DPT)
LOGGER W. Irons **REVIEWER** K. Brandt

NORTHING
EASTING
ANGLE Vertical
BEARING ------
PRINTED 09/20/21

REMARKS: Probe destroyed on 8/16/21 by pulling tubing and augering out top 6 ft. Backfilled with Type II Portland cement grout. Capped with quick-set concrete.

COORDINATE SYSTEM:

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

Geosyntec consultants
1111 Broadway. 6th Fl
Oakland, CA 94607
Tel: (510) 836-3034
Fax: (510) 836-3036

GS FORM: BORING LOG W/ WELL

LOG OF GVP3S

START DATE 8/9/2021
FINISH DATE 8/9/2021
PROJECT 1766 El Camino Real
LOCATION Oakland, CA
PROJECT NUMBER WR3038
Elevation FT. MSL

DEPTH (ft)	MATERIAL DESCRIPTION (SOIL NAME (USCS SYMBOL): Color, Moisture, Grain Size and Percentage, Plasticity, Consistency/Density, Other (Odor, Dry Strength, Mineral Content))	SYMBOLIC LOG	WELL LOG	Well Construction Material	SAMPLES: ANALYTE	SAMPLES: INTERVAL	SAMPLES: RECOVERY (%)	SAMPLES: PID READING (ppm)	TIME	COMMENTS
	Asphalt (4-in)			0 - 3 ft bgs: hydrated bentonite crumbles #8 (Cetco)						- Hand augered top 5 ft bgs - 0.4 ppm ambient VOCs - Lithology logged from GVP3D located approximately 3 ft SE
	Well-graded SAND (SW), 2.5Y 3/1 (very dark gray), dry, 95% fine to coarse sand, 5% fines, loose, unidentified bottom contact									
1	Sandy fat CLAY (CH), 2.5Y 3/2 (very dark grayish brown), dry, 30% fine sand, 70% fines, soft, moderate to high plasticity, unidentified bottom contact									
	Poorly-graded SAND with clay (or silty clay) (SP-SC), 2.5Y 5/6 (light olive brown), dry, 90% medium sand, 10% fines, loose, unidentified bottom contact			0.25-in-OD FEP tubing				11.4		
2	Well-graded SAND with silt (SP-SM), 10YR 2/1 (black), dry, [grain size and percentage not recorded], loose, slight hydrocarbon odor, unidentified bottom contact									
	Fat CLAY with sand (CH), Gley 1 2.5/N (black), moist, 15% fine sand, 85% fines, soft, moderate to hight plasticity, no odor, unidentified bottom contact						100	0.7		
3	Lean CLAY with sand (CL), 5Y 3/2 (dark olive gray), dry, [grain size and percentage not recorded], firm, low plasticity, no odor, unidentified bottom contact									
	Poorly-graded SAND with silt (SP-SM), 10YR 5/8 (yellowish brown), dry, 88% medium sand, 12% fines, loose, no odor, slightly cemented, distinct bottom contact			3 - 4 ft bgs: dry bentonite crumbles #8 (Cetco)						
4				4 - 5 ft bgs: lapis lustre sand #3 (Cemex) 1-in-long polyethylene implant						
5	Boring terminated at 5 ft bgs									

CONTRACTOR Cascade
EQUIPMENT
DRILL MTHD HA
DIAMETER (in) 3.25 (HA)
LOGGER W. Irons **REVIEWER** K. Brandt

NORTHING
EASTING
ANGLE Vertical
BEARING ------
PRINTED 09/20/21

REMARKS: Probe destroyed on 8/16/21 by pulling tubing and augering out top 5 ft. Backfilled with Type II Portland cement grout. Capped with quick-set concrete.

COORDINATE SYSTEM:

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

BORING LOG W/ WELL WR3038.GPJ GEOSNTEC.GDT 20/9/21

Geosyntec consultants
1111 Broadway. 6th Fl
Oakland, CA 94607
Tel: (510) 836-3034
Fax: (510) 836-3036

GS FORM: BORING LOG W/ WELL

LOG OF GVP3D

START DATE 8/9/2021
FINISH DATE 8/9/2021
PROJECT 1766 El Camino Real
LOCATION Oakland, CA
PROJECT NUMBER WR3038
Elevation FT. MSL

DEPTH (ft)	MATERIAL DESCRIPTION (SOIL NAME (USCS SYMBOL): Color, Moisture, Grain Size and Percentage, Plasticity, Consistency/Density, Other (Odor, Dry Strength, Mineral Content))	SYMBOLIC LOG	WELL LOG	Well Construction Material	SAMPLES: ANALYTE	SAMPLES: INTERVAL	SAMPLES: RECOVERY (%)	SAMPLES: PID READING (ppm)	TIME	COMMENTS
	Asphalt (4-in)			0 - 7.75 ft bgs: hydrated bentonite crumbles #8 (Cetco)						- Hand augered top 5 ft bgs - 0.4 ppm ambient VOCs
	Well-graded SAND (SW), 2.5Y 3/1 (very dark gray), dry, 95% fine to coarse sand, 5% fines, loose, unidentified bottom contact									
1	Sandy fat CLAY (CH), 2.5Y 3/2 (very dark grayish brown), dry, 30% fine sand, 70% fines, soft, moderate to high plasticity, unidentified bottom contact									
	Poorly-graded SAND with clay (or silty clay) (SP-SC), 2.5Y 5/6 (light olive brown), dry, 90% medium sand, 10% fines, loose, unidentified bottom contact							11.4		
2	Well-graded SAND with silt (SP-SM), 10YR 2/1 (black), dry, [grain size and percentage not recorded], loose, slight hydrocarbon odor, unidentified bottom contact			0.25-in-OD FEP tubing						
	Fat CLAY with sand (CH), Gley 1 2.5/N (black), moist, 15% fine sand, 65% fines, soft, moderate to hight plasticity, no odor, unidentified bottom contact						100	0.7		
3	Lean CLAY with sand (CL), 5Y 3/2 (dark olive gray), dry, [grain size and percentage not recorded], firm, low plasticity, no odor, unidentified bottom contact									
	Poorly-graded SAND with silt (SP-SM), 10YR 5/8 (yellowish brown), dry, 88% medium sand, 12% fines, loose, no odor, slightly cemented, distinct bottom contact							1.1		
4										
								0.4		
5										
6	As above: mottled with 7.5YR 5/8 (yellowish brown), dry, 2% gravel, 86% medium sand, 12% fines, increased cementation, gradational bottom contact							1.9		
7										
	Poorly-graded SAND with silt (SP-SM), 2.5Y 6/3 (light yellowish brown), dry, 91% fine sand, 9% fines, dense, moderately cemented, mottled with 7.5YR 5/6 (strong brown)						105	3.0		
8				7.75 - 8.75 ft bgs: dry bentonite crumbles #8 (Cetco)						
9				8.75 - 9.75 ft bgs: lapis lustre sand #3 (Cemex) 1-in-long polyethylene implant				2.3		
	Boring terminated at 9.75 ft bgs									

CONTRACTOR Cascade
EQUIPMENT Geoprobe 7822DT
DRILL MTHD HA/DPT
DIAMETER (in) 3.25 (HA)/2.25 (DPT)
LOGGER W. Irons **REVIEWER** K. Brandt
NORTHING
EASTING
ANGLE Vertical
BEARING ------
PRINTED 09/20/21

REMARKS: Probe destroyed on 8/16/21 by pulling tubing and augering out top 6 ft. Backfilled with Type II Portland cement grout. Capped with quick-set concrete.

COORDINATE SYSTEM:

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

BORING LOG W/ WELL WR3038.GPJ GEOSNTEC.GDT 20/9/21

Geosyntec consultants
1111 Broadway. 6th Fl
Oakland, CA 94607
Tel: (510) 836-3034
Fax: (510) 836-3036

GS FORM: BORING LOG W/ WELL

LOG OF GVP4S

START DATE 8/9/2021
FINISH DATE 8/9/2021
PROJECT 1766 El Camino Real
LOCATION Oakland, CA
PROJECT NUMBER WR3038
Elevation FT. MSL

DEPTH (ft)	MATERIAL DESCRIPTION (SOIL NAME (USCS SYMBOL): Color, Moisture, Grain Size and Percentage, Plasticity, Consistency/Density, Other (Odor, Dry Strength, Mineral Content))	SYMBOLIC LOG	WELL LOG	Well Construction Material	SAMPLES: ANALYTE	SAMPLES: INTERVAL	SAMPLES: RECOVERY (%)	SAMPLES: PID READING (ppm)	TIME	COMMENTS
	Asphalt (4-in)			0 - 3 ft bgs: hydrated bentonite crumbles #8 (Cetco)						- Hand augered top 5 ft bgs - 1.9 ppm ambient VOCs - Lithology logged from GVP4D located approximately 3 ft NW
	Well-graded SAND with silt (SW-SM), 10YR 4/2 (dark grayish brown), dry, 2% subangular gravel, 93% fine to coarse sand, 5% fines, [density not recorded], no odor, unidentified bottom contact							13.1		
1	Silty, clayey SAND (SC-SM), 2.5Y 5/4 (light olive brown), dry, 80% fine sand, 20% fines, loose, no odor, clumps of Lean CLAY with sand (CL), 2.5Y 5/4 (light olive brown), dry, 40% fine sand, 60% fines, firm, non-plastic, no odor, unidentified bottom contact			0.25-in-OD FEP tubing				3.8		
2	Clayey SAND (SC), 10YR 5/6 (yellowish brown), dry, 85% medium sand, 15% fines, loose, no odor, very slightly cemented, unidentified bottom contact						100	2.4		
3	As above: moist, increased amount of clay, increased cementation, oxidation, mottled with 7.5YR 5/8 (yellowish brown), gradational bottom contact			3 - 4 ft bgs: dry bentonite crumbles #8 (Cetco)				3.6		
4				4 - 5 ft bgs: lapis lustre sand #3 (Cemex) 1-in-long polyethylene implant				3.4		
5	Boring terminated at 5 ft bgs									

CONTRACTOR Cascade
EQUIPMENT
DRILL MTHD HA
DIAMETER (in) 3.25 (HA)
LOGGER W. Irons **REVIEWER** K. Brandt
NORTHING
EASTING
ANGLE Vertical
BEARING ------
PRINTED 09/20/21

REMARKS: Probe destroyed on 8/16/21 by pulling tubing and augering out top 5 ft. Backfilled with Type II Portland cement grout. Capped with quick-set concrete.

COORDINATE SYSTEM:

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

BORING LOG W/ WELL WR3038.GPJ GEOSNTEC.GDT 20/9/21

Geosyntec consultants
1111 Broadway. 6th Fl
Oakland, CA 94607
Tel: (510) 836-3034
Fax: (510) 836-3036

GS FORM: BORING LOG W/ WELL

LOG OF GVP4D

START DATE 8/9/2021
FINISH DATE 8/9/2021
PROJECT 1766 El Camino Real
LOCATION Oakland, CA
PROJECT NUMBER WR3038
Elevation FT. MSL

DEPTH (ft)	MATERIAL DESCRIPTION	Well Construction Material	SAMPLES: ANALYTE	SAMPLES: INTERVAL	SAMPLES: RECOVERY (%)	SAMPLES: PID READING (ppm)	TIME	COMMENTS
	Asphalt (4-in)	0 - 7.75 ft bgs: hydrated bentonite crumbles #8 (Cetco)						- Hand augered top 5 ft bgs
	Well-graded SAND with silt (SW-SM), 10YR 4/2 (dark grayish brown), dry, 2% subangular gravel, 93% fine to coarse sand, 5% fines, [density not recorded], no odor, unidentified bottom contact					13.1		- 1.9 ppm ambient VOCs
1	Silty, clayey SAND (SC-SM), 2.5Y 5/4 (light olive brown), dry, 80% fine sand, 20% fines, loose, no odor, clumps of Lean CLAY with sand (CL), 2.5Y 5/4 (light olive brown), dry, 40% fine sand, 60% fines, firm, non-plastic, no odor, unidentified bottom contact					3.8		
2	Clayey SAND (SC), 10YR 5/6 (yellowish brown), dry, 85% medium sand, 15% fines, loose, no odor, very slightly cemented, unidentified bottom contact	0.25-in-OD FEP tubing			100	2.4		
3	As above: moist, increased amount of clay, increased cementation, oxidation, mottled with 7.5YR 5/8 (yellowish brown), gradational bottom contact					3.6		
4						3.4		
5								
6								
7						1.7		2.4 ppm ambient VOCs
8	Clayey SAND (SC), 2.5Y 5/4 (light olive brown), very moist, 65% fine sand, 35% fines, [density not recorded]	7.75 - 8.75 ft bgs: dry bentonite crumbles #8 (Cetco)			105			
9		8.75 - 9.75 ft bgs: lapis lustre sand #3 (Cemex) 1-in-long polyethylene implant				1.6		
	Boring terminated at 9.75 ft bgs							

CONTRACTOR Cascade
EQUIPMENT Geoprobe 7822DT
DRILL MTHD HA/DPT
DIAMETER (in) 3.25 (HA)/2.25 (DPT)
LOGGER W. Irons **REVIEWER** K. Brandt
NORTHING
EASTING
ANGLE Vertical
BEARING ------
PRINTED 09/20/21

REMARKS: Probe destroyed on 8/16/21 by pulling tubing and augering out top 6 ft. Backfilled with Type II Portland cement grout. Capped with quick-set concrete.

COORDINATE SYSTEM:

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

Geosyntec consultants
1111 Broadway. 6th Fl
Oakland, CA 94607
Tel: (510) 836-3034
Fax: (510) 836-3036

GS FORM: BORING LOG W/ WELL

LOG OF GVP5S

START DATE 8/9/2021
FINISH DATE 8/9/2021
PROJECT 1766 El Camino Real
LOCATION Oakland, CA
PROJECT NUMBER WR3038
Elevation FT. MSL

DEPTH (ft)	MATERIAL DESCRIPTION (SOIL NAME (USCS SYMBOL): Color, Moisture, Grain Size and Percentage, Plasticity, Consistency/Density, Other (Odor, Dry Strength, Mineral Content))	SYMBOLIC LOG	WELL LOG	Well Construction Material	SAMPLES: ANALYTE	SAMPLES: INTERVAL	SAMPLES: RECOVERY (%)	SAMPLES: PID READING (ppm)	TIME	COMMENTS
	Asphalt (4-in)			0 - 3 ft bgs: hydrated bentonite crumbles #8 (Cetco)				3.1		- Hand augered top 5 ft bgs - 1.8 ppm ambient VOCs - Lithology logged from GVP5D located approximately 3 ft NE
	Well-graded SAND with silt (SW-SM), 10YR 4/2 (dark grayish brown), dry, 2% subangular gravel, 93% fine to coarse sand, 5% fines, loose, no odor, unidentified bottom contact									
1	Poorly-graded SAND with silt (SP-SM), 10YR 3/1 (very dark gray), moist, 92% fine sand, 8% fines, loose, slight unidentifiable odor, unidentified bottom contact			0.25-in-OD FEP tubing				7.2		
2										
							100	5.4		
3	Silty SAND (SM), 10YR 5/4 (yellowish brown), moist, 60% fine sand, 40% fines, very loose, no odor, unidentified bottom contact			3 - 4 ft bgs: dry bentonite crumbles #8 (Cetco)				1.9		
4	As above: 10YR 5/8 (yellowish brown), dense, slightly cemented, unidentified bottom contact			4 - 5 ft bgs: lapis lustre sand #3 (Cemex) 1-in-long polyethylene implant				1.9		
	As above: dry, distinct bottom contact									
5	Boring terminated at 5 ft bgs									

CONTRACTOR Cascade
EQUIPMENT
DRILL MTHD HA
DIAMETER (in) 3.25 (HA)
LOGGER W. Irons **REVIEWER** K. Brandt

NORTHING
EASTING
ANGLE Vertical
BEARING ------
PRINTED 09/20/21

REMARKS: Probe destroyed on 8/16/21 by pulling tubing and augering out top 5 ft. Backfilled with Type II Portland cement grout. Capped with quick-set concrete.

COORDINATE SYSTEM:

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

BORING LOG W/ WELL WR3038.GPJ GEOSNTEC.GDT 20/9/21

Geosyntec consultants
1111 Broadway. 6th Fl
Oakland, CA 94607
Tel: (510) 836-3034
Fax: (510) 836-3036

GS FORM: BORING LOG W/ WELL

LOG OF GVP5D

START DATE 8/9/2021
FINISH DATE 8/9/2021
PROJECT 1766 El Camino Real
LOCATION Oakland, CA
PROJECT NUMBER WR3038
Elevation FT. MSL

DEPTH (ft)	MATERIAL DESCRIPTION	Well Construction Material	SAMPLES: ANALYTE	SAMPLES: INTERVAL	SAMPLES: RECOVERY (%)	SAMPLES: PID READING (ppm)	TIME	COMMENTS
	Asphalt (4-in)	0 - 7.75 ft bgs: hydrated bentonite crumbles #8 (Cetco)						- Hand augered top 5 ft bgs
	Well-graded SAND with silt (SW-SM), 10YR 4/2 (dark grayish brown), dry, 2% subangular gravel, 93% fine to coarse sand, 5% fines, loose, no odor, unidentified bottom contact					3.1		- 1.8 ppm ambient VOCs
1	Poorly-graded SAND with silt (SP-SM), 10YR 3/1 (very dark gray), moist, 92% fine sand, 8% fines, loose, slight unidentifiable odor, unidentified bottom contact					7.2		
2		0.25-in-OD FEP tubing						
					100	5.4		
3	Silty SAND (SM), 10YR 5/4 (yellowish brown), moist, 60% fine sand, 40% fines, very loose, no odor, unidentified bottom contact							3 ft bgs: moist conditions
						1.9		3.5 - 4.5 ft bgs: wet conditions
4	As above: 10YR 5/8 (yellowish brown), slightly cemented, unidentified bottom contact							
						1.9		
	As above: dry, distinct bottom contact							4.5 ft bgs: dry conditions underlying (i.e. perched)
5								
6	As above: 2.5Y 5/4 (light olive brown)							
7	No Recovery							7.2 - 9.6 ft bgs: no recovery, driller noted tight drilling conditions and slow drill advancement
					45			
8		7.75 - 8.75 ft bgs: dry bentonite crumbles #8 (Cetco)						
		8.75 - 9.75 ft bgs: lapis lustre sand #3 (Cemex)						
9		1-in-long polyethylene implant						9.6 - 9.75 ft bgs: logged bottom of borehole from soil recovered from drill string "shoe"
	As 5 - 7.2 ft bgs interval							
	Boring terminated at 9.75 ft bgs							

CONTRACTOR Cascade
EQUIPMENT Geoprobe 7822DT
DRILL MTHD HA/DPT
DIAMETER (in) 3.25 (HA)/2.25 (DPT)
LOGGER W. Irons **REVIEWER** K. Brandt

NORTHING
EASTING
ANGLE Vertical
BEARING ------
PRINTED 09/20/21

REMARKS: Probe destroyed on 8/16/21 by pulling tubing and augering out top 6 ft. Backfilled with Type II Portland cement grout. Capped with quick-set concrete.

COORDINATE SYSTEM:

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

BORING LOG W/ WELL WR3038.GPJ GEOSNTEC.GDT 20/9/21

APPENDIX B
Soil Vapor Sampling Forms

Geosymtec consultants
1111 Broadway, 6th Floor
Oakland, California 94607
(510) 836-3034 Fax (510) 836-3036

SOIL GAS PROBE MEASUREMENTS

8/12/21 E.S. GVP-10

① Project Name: 1766 El Camino Real
Date: 8/12/21 Project Number: WR3038
Site Location: Burlingame, CA
Weather: Smoky, 61-72°F
Field Personnel: Elham Shirazi
Recorded By: Elham Shirazi

Probe No.: ~~GVP-25~~ ☐ Sub-slab probe ☑ Soil gas probe
Mini Rae ~~2000~~ 3000 Serial No.: FA01730 Lamp: 10.6 / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: FA02009
MDG 2002 Helium detector Serial No.: FA03893
Tracer Gas: ☑ Helium ☐ Other

② Surface Type: ☐ Asphalt ☐ Concrete ☑ Grass ☐ Other
Surface Thickness ____ inches/centimeters ☑ Unknown
(i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab
<0.1 L 0.74
Soil gas probe 15 (L) E.S. 8/12/21

④ Initial Vacuum (prior to pumping) 0.0 in. H_2O

⑤ Shut in test prior to pneumatic test completed, 90 in. H_2O held for 60 seconds.

⑥ Start of Pneumatic Test: 0958

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
1	0.1	1.2
1	0.2	1.8
1	0.5	

⑦ Field tubing blank reading (ppm_v) completed? ☑ Yes ☐ No PID Reading 0.0 ppm_v

⑧ Shut in test prior to purging completed? Yes ☑ No ☐

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm_v, %) (circle one)	VOCs by PID (ppm_v)
8/12/21	1006	1011	5	1	0.2	1	0.0	2.1	13.1	19.3	41.3	0.0	390.4
↓	1015	1020	5	1	0.2	2	0.0	2.2	13.0	21.2	51.9	0.0	392.5
↓	1021	1024	2.5	0.5	0.2	2.5	0.0	2.5	12.5	20.6	33.8	0.0	424.1
					E.S. 8/12/21								

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☑ Yes ☐ No
Note: 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☑ No ☐

⑫ Sample Collection

Date	Time	Sample ID (E.S. 8/12/21)	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
8/12/21	1027-1033	~~GVP25-210812~~ GVP10-210812	34002498	22371	IP23055	30.16	5.27

Comments: Ambient Readings: VOC: 0.0 ppm, CH_4: 0.0%, CO_2: 0.1%, O_2: 21.3%, He: 0.0 ppm
He Conc. During sampling: Max: 47.6%, Min: 26.5%

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SOIL GAS PROBE MEASUREMENTS

Geosyntec consultants
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Oakland, California 94607
(510) 836-3034 Fax (510) 836-3036

① Project Name: 1766 El Camino
Date: 8/12/21 Project Number: WR3038
Site Location: Burlingame, CA
Weather: Cloudy, 57°F - 72°F
Field Personnel: Z. Wang, J. Gross
Recorded By: Z. Wang, J. Gross

Probe No.: GVP-21 ☐ Sub-slab probe ☒ Soil gas probe
Mini Rae 2000 Serial No.: FA01730 Lamp: (10.6) / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: FA02009
MDG 2002 Helium detector Serial No.: FA03904
Tracer Gas: ☒ Helium ☐ Other

② Surface Type: ☐ Asphalt ☐ Concrete ☒ Grass ☐ Other
Surface Thickness ____ inches/centimeters ☒ Unknown (i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 0.74 (L)

⑤ Shut in test prior to pneumatic test completed 84 in. H_2O held for 60 seconds.

⑥ Start of Pneumatic Test: 0857

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
1	0.1	50
1	0.2	>100
1	0.5	>100

④ Initial Vacuum (prior to pumping) 0 in. H_2O

⑦ Field tubing blank reading (ppm_v) completed? ☒ Yes ☐ No PID Reading 0.1 ppm_v

⑧ Shut in test prior to purging completed? Yes ☒ No ☐

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm_v, %) (circle one)	VOCs by PID (ppm_v)
8/12/21	0908	0913	5	1	0.2	1	No enough gas			35.4	51.4	5350	292.3

8/12/21 (AW)

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☒ Yes ☐ No **Note:** 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☒ No ☐

⑫ Sample Collection *: Stopped sampling @ 1118 as there was no flow and vacuum reading stayed @ 17.5 in-Hg. Resumed @ 1223, no flow.

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
8/12/21	1037-1118*	GVP20-210812	1L2636	25282	IP23055	30.19	17.14
				37.4			
Helium concentration during sampling: Min =		17.4 %, Max =	~~30.2~~ %				

Comments: Ambient air: VOC = 0.3 ppm, CH_4 = 0.0%, CO_2 = 0.0% (AW), O_2 = 20.5%. Soil was very tight, failed to get flow after first purge, despite high vacuum. Back vacuum reading was > 100 in-WC. Skipped purging. ~~Let~~ (AW) Waited more than one hour until sampling to ensure there was enough soil gas.

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SOIL GAS PROBE MEASUREMENTS

① Project Name: 1766 El Camino Real
Date: 8/11/21 Project Number: WR3038
Site Location: Burlingame, CA
Weather: Sunny, 59-73°F
Field Personnel: Elham Shirazi / Jason Gross
Recorded By: Elham Shirazi / Jason Gross

Probe No.: GVP-3S ☐ Sub-slab probe ☑ Soil gas probe
Mini Rae ~~2000~~ 3000 Serial No.: FA01730 Lamp: 10.6 / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: FA02009
MDG 2002 Helium detector Serial No.: FA03893
Tracer Gas: ☑ Helium ☐ Other

② Surface Type: ☑ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness — inches/centimeters ☑ Unknown
(i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 1.5 (L)

④ Initial Vacuum (prior to pumping) 0.0 in. H_2O

⑤ Shut in test prior to pneumatic test completed 88 in. H_2O held for 60 seconds.

⑥ Start of Pneumatic Test: 1437

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
1	0.1	0.4
1	0.2	0.4
1	0.5	0.7

⑦ Field tubing blank reading (ppm_v) completed? ☑ Yes ☐ No PID Reading 0.0 ppm_v

⑧ Shut in test prior to purging completed? Yes ☑ No ☐

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm_v, %) (circle one)	VOCs by PID (ppm_v)
8/11/21	1442	1447	5	1	0.2	1	0.0	0.4	20.2	18.3	28.4	0.0	78.6
	1448	1453	5	1	0.2	2	0.0	5.0	16.0	26.1	41.3	0.0	69.6
	1454	1459	5	1	0.2	3	0.1	10.1	3.2	19.4	27.8	0.0	61.8
	1501	1506	5	1	0.2	4	0.2	12.6	2.0	18.7	26.6	0.0	57.3
↓	1507	1510	2.5	0.5	0.2	4.5	0.1	11.8	3.5	19.6	22.3	0.0	55.4

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☑ Yes ☐ No
Note: 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☑ No ☐

⑫ Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
8/11/21	1521 - 1529	GVP3S_210811	IL3801	21412	IP23055	30.23	4.82

Comments: Ambient readings: VOC: 0.0 ppm, CH_4: 0.0%, CO_2: 0.0%, O_2: 21.2%, He: 0.0 ppm
He Conc. During Sampling: Max: 40.7% Min: 20.8%

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SOIL GAS PROBE MEASUREMENTS

① Project Name: 1766 El Camino
Date: 8/11/21 Project Number: UP3038
Site Location: Burlingame, CA
Weather: Sunny, 57°F - 73°F
Field Personnel: Z. Wang
Recorded By: Z. Wang

Probe No.: GVP-30 ☐ Sub-slab probe ☒ Soil gas probe
Mini Rae 2000 Serial No.: FA01730 Lamp: 10.6 / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: FA02009
MDG 2002 Helium detector Serial No.: FA03904 / FA03893
Tracer Gas: ☒ Helium ☐ Other

② Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness _____ inches/centimeters ☒ Unknown (i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 0.74 (L)

④ Initial Vacuum (prior to pumping) 0 in. H_2O

⑤ Shut in test prior to pneumatic test completed, 90 in. H_2O held for 60 seconds.

⑥ Start of Pneumatic Test: *

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
	0.1	
	0.2	
	0.5	

8/11/21

⑦ Field tubing blank reading (ppm_v) completed? ☒ Yes ☐ No PID Reading 0.0 ppm_v

⑧ Shut in test prior to purging completed? Yes ☒ No ☐

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm / %) (circle one)	VOCs by PID (ppm_v)
8/11/21	1506	1511	5	1	0.2	1	0.0	11.9	2.2	19.6	24.3	0	40.7
	1511	1516	5	1	0.2	2	0.0	13.9	0.5	21.1	32.1	0	14.1
↓	1517	1519	2	0.5	0.2	2.5	0.0	13.2	2.0	19.7	30.1	0	10.5

8/11/21

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☒ Yes ☐ No
Note: 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☒ No ☐

⑫ Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
8/11/21	1527 – 1532	GVP30-210811	1L1937	24615	FP23055	29.59	5.01

Comments: *: Flow meter on the gauge board was damaged by water, couldn't do pneumatic test.
Ambient: VOC = 0.0 ppm, CH_4 = 0.0%, CO_2 = 0.0%, O_2 = 21.1%. Vacuum reading during purging was below 40 in-WC.
He during sampling: min = 15.2%, max = 25.3%.

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SOIL GAS PROBE MEASUREMENTS

① Project Name: 1766 El Camino
Date: 8/11/21 Project Number: WR3038
Site Location: Burlingame
Weather: Sunny, 57°F - 73°F
Field Personnel: Z. Wang
Recorded By: Z. Wang

Probe No.: GVP-45 ☐ Sub-slab probe ☒ Soil gas probe
Mini Rae 2000 Serial No.: FA01730 Lamp: (10.6) / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: FA02009
MDG 2002 Helium detector Serial No.: FA03904
Tracer Gas: ☒ Helium ☐ Other

② Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness ____ inches/centimeters ☒ Unknown
(i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 1.5 (L)

⑤ Shut in test prior to pneumatic test completed, 90 in. H_2O held for 60 seconds.

⑥ Start of Pneumatic Test: 1125

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
1	0.1	0.02
1	0.2	0.07
1	0.5	0.16

④ Initial Vacuum (prior to pumping) 0 in. H_2O

⑦ Field tubing blank reading (ppm_v) completed? ☒ Yes ☐ No PID Reading 1.2 ppm_v

⑧ Shut in test prior to purging completed? Yes ☒ No ☐

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm / %) (circle one)	VOCs by PID (ppm_v)
8/11/21	1137	1142	5	1	0.2	1	0.0	1.8	15.5	23.6	29.8	0	102.6
	1143	1148	5	1	0.2	2	0.0	1.8	15.5	20.4	23.0	0	185.8
	1148	1153	5	1	0.2	3	0.0	2.2	14.7	15.9	21.0	0	135.9
	1156	1201	5	1	0.2	4	0.0	2.2	14.4	19.1	23.2	0	141.9
	1202	1204	2.5	0.5	0.2	4.5	Not enough air			24.2	29.2	D	147.4

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☒ Yes ☐ No
Note: 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☒ No ☐

⑫ Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
8/11/21	1212 -	GVP45-210811	LC946	24603	IP23055	29.56	6.40
	1217						

Comments: Ambient air: PID = 1.1 ppm, CH_4 = 0.0%, CO_2 = 0.0%, O_2 = 19.9%.
He Concentration during sampling: NA, He detector died. Reading was 30.9% when finished sampling.

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SOIL GAS PROBE MEASUREMENTS

① Project Name: 1766 El Camino Real
Date: 8/11/21 Project Number: WR3038
Site Location: Burlingame, CA
Weather: Sunny, 59-73°F
Field Personnel: Elham Shirazi / Jason Gross
Recorded By: Elham Shirazi / Jason Gross

Probe No.: GVP-4D ☐ Sub-slab probe ☑ Soil gas probe
Mini Rae ~~2000~~ 3000 Serial No.: FA01730 Lamp: 10.6 / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: FA02009
MDG 2002 Helium detector Serial No.: FA03893
Tracer Gas: ☑ Helium ☐ Other

② Surface Type: ☑ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness ____ inches/centimeters ☑ Unknown
(i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 0.74 (L)

⑤ Shut in test prior to pneumatic test completed, 90 in. H_2O held for 60 seconds.

⑥ Start of Pneumatic Test: 1150

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
1	0.1	47
1	0.2	(E) ~~67~~ 76
1	0.5	were not able to get 0.5 LPM flow.

④ Initial Vacuum (prior to pumping) 0.0 in. H_2O

⑦ Field tubing blank reading (ppm_v) completed? ☑ Yes ☐ No PID Reading 0.8 ppm_v

⑧ Shut in test prior to purging completed? Yes ☑ No ☐

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm, %) (circle one)	VOCs by PID (ppm_v)
8/11/21	~~1215~~ ~~1202~~	~~1220~~ ~~1207~~	5	1	0.2	1	0.0	0.0	17.3	14.6	~~30.4~~ 48.6	11225	356.9
↓	1225	1230	5	1	0.2	2	—	—	— *	45.6	52.9	9925	183.4
↓	1233	~~1238~~	5	0.5	0.2	2.5	0.0	0.0	17.7	39.5	52.9	4825	— *

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☑ Yes ☐ No
Note: 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☐ No ☐

⑫ Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
8/11/21	1242-1304	GVP4D-210811	IL1969	100300	IP23055	30.50	7.02
		QCFD-1-210811	IL3331	100300	IP23055	30.56	7.21

Comments: Ambient Readings: VOC: 0.8ppm, CH_4: 0.0%, CO_2: 0.0%, O_2: 19.9%, He: 575 ppm
He Conc. During Sampling: Max: 31.9%, Min: 18.5%
* Not enough air in Tedlar bag.

SOIL GAS PROBE MEASUREMENTS

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① Project Name: 1766 El Camino
Date: 8/11/2021 Project Number: WR3038
Site Location: Burlingame, CA
Weather: Sunny, 57°F-73°F
Field Personnel: Jason Gross, Zijian Wang, Ethan (JG)
Recorded By: Jason Gross, Zijian Wang

Probe No.: GVP-5S ☐ Sub-slab probe ☒ Soil gas probe
Mini Rae 2000 Serial No.: FA01730 Lamp: (10.6) / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: FA02009
MDG 2002 Helium detector Serial No.: FA03904
Tracer Gas: ☒ Helium ☐ Other

② Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness ____ inches/centimeters ☒ Unknown (i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 1.5 (L)

④ Initial Vacuum (prior to pumping) 0 in. H_2O

⑤ Shut in test prior to pneumatic test completed, 90 in. H_2O held for 60 seconds.

⑥ Start of Pneumatic Test: 0955

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
1	0.1	1
1	0.2	1.8
1	0.5	9/11/21 ~~1.7~~ 2.2

⑦ Field tubing blank reading (ppm_v) completed? ☒ Yes ☐ No PID Reading 0.6 ppm_v

⑧ Shut in test prior to purging completed? Yes ☒ No ☐

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm, %) (circle one)	VOCs by PID (ppm_v)
8/11/2021	1004	1009	5	1.0	0.2	1.0	*		JG 8/11/21	22.0	25.9	0.0	248.5
8/11/2021	1009	1014	5	1.0	0.2	(SG) ~~1.0~~ 2.0	0.0	1.8	2.4	18.7	24.5	0.0	230.4
8/11/2021	1018	1023	5	1.0	0.2	8/11 ~~1.0~~ 3.0	0.0	3.7	1.2	14.2	25.7	0.0	195.5
8/11/2021	1025	1030	5	1.0	0.2	~~1.0~~ 4.0	0.0	4.3	2.3	17.6	22.6	0.0	188.4
8/11/2021	1031	~~1036~~ 8/11	(SG) ~~5~~ 25	(SG) ~~1.0~~ 0.5	0.2	~~1.0~~ 4.5	*			19.6	24.7	0.0	3.2

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☑ Yes ☐ No **Note:** 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☑ No ☐

⑫ Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
8/11/21	1038-1049	GVP5S-210811	1L1861	25390	IP23055	29.56	4.72
8/11/21	1038-1049	QCFP-2-210811	40851	25390	IP23055	29.57	5.15

Comments: Ambient air PID (SG) reading 0.8ppm. * Not enough volume for measurement.
Helium concentration during sampling: Min: 18.3% Max: 40.3% Ambient air reading: PID: 0.4ppm CH4: 0.0% O_2: 19.3% CO_2: 0.0%

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SOIL GAS PROBE MEASUREMENTS

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① Project Name: 1766 El Camino Real
Date: 8/11/21 Project Number: WR3038
Site Location: Burlingame, CA
Weather: Sunny, 59-73°F
Field Personnel: Elham Shirazi
Recorded By: Elham Shirazi

Probe No.: GVP-5D ☐ Sub-slab probe ☑ Soil gas probe
Mini Rae 3000 Serial No.: FA01730 Lamp: 10.6 / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: FA02009
MDG 2002 Helium detector Serial No.: FA03893
Tracer Gas: ☑ Helium ☐ Other

② Surface Type: ☑ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness ____ inches/centimeters ☑ Unknown
(i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 0.74 (L)
X3 = 2.5L

⑤ Shut in test prior to pneumatic test completed, 90 in. H_2O held for 90 seconds.

⑥ Start of Pneumatic Test: 0951

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
1	0.1	50
1	0.2	80
1	0.5	>100

④ Initial Vacuum (prior to pumping) 0.0 in. H_2O

⑦ Field tubing blank reading (ppm_v) completed? ☑ Yes ☐ No PID Reading 0.4 ppm_v

⑧ Shut in test prior to purging completed? Yes ☑ No ☐

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm_v / %) (circle one)	VOCs by PID (ppm_v)
8/11/21	1004	1009	5	1	0.2	1	—	—	—*	20.4	33.1	5400	200.9
"	1017	1022	5	1	0.2	2	0.0	0.1	15.2	27.3	43.8	8975	318.3
"	1025	1028	2.5	0.5	0.2	2.5	0.0	0.1	16.5	28.4	46.6	9850	334.5

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☑ Yes ☐ No **Note:** 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☑ No ☐

⑫ Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
8/11/21	1033-1046	GVP5D-210811	IL2416	24627	IP23055	30.09	4.40

Comments: Ambient Readings: VOC: 0.4 ppm, CH_4: 0.0%, CO_2: 0.0%, O_2: 19.3%, He: 0.0 ppm
He reading During Sampling: Max: 43.2% Min: 26.1%
* Not enough air in tedlar bag to get the reading

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Analysis Request /Canister Chain of Custody

For Laboratory Use Only

PID: _____ Workorder #: _____

180 Blue Ravine Rd. Suite B, Folsom, CA 95630
Phone (800) 985-5955; Fax (916) 351-8279

Client: [illegible]
Project Name: 1766 El [illegible]
Project Manager: [illegible] Project # WR 3035
Sampler: E. [illegible] Z. W[illegible]5 (Cross)
Site Name: 1766 El [illegible]

Special Instructions/Notes:
"Modified EPA TO-15 LL (VOC [illegible]
Modified ASTMD-1946 (CH4, CO, CO2 H2, N2, O2)"

Turnaround Time (Rush surcharges may apply)
Standard X Rush _____(specify)

Lab ID	Field Sample Identification(Location)	Can #	Flow Controller #	Start Sampling Information		Stop Sampling Information		Canister Vacuum/Pressure		Lab Use Only		Requested Analyses			
				Date	Time	Date	Time	Initial (in Hg)	Final (in Hg)	Receipt	Final (psig) Gas: N_2 / He	TO-15 (VOC)	ASTMD-1946 (CH4, CO, CO2 H2, N2, O2)		
	GVP5D-210711	IL2416	24627	7/11/21	1033	7/11/21	1046	30.01	-1.40			X	X		
	GVP5S-210711	IL1861	25390	7/11/21	1037	7/11/21	1049	29.56	4.72			X	X		
	GVP1D-210711	IL1969	100300	7/11/21	1242	7/11/21	1301	30.52	7.02			✓	✓		
	GVP4S-210711	LC146	24603	7/11/21	1212	7/11/21	1217	29.56	6.40			X	X		
	GVP3D-210711	IL1937	24615	7/11/21	1527	7/11/21	1532	29.59	5.01			X	X		
	GVP3S-210711	IL3201	21412	7/11/21	1521	7/11/21	1529	30.23	4.72			X	X		
	QCFD-1-210711	IL2331	—	8/11/21	—	7/11/21	—	30.56	7.21			X	X		
	QCFD-2-210711	40251	—	7/11/21	—	7/11/21	—	29.57	5.15			X	X		
	GVP1D-210712	340002498	22371	8/12/21	1027	7/12/21	1033	30.16	5.27			X	X		
	GVP2D-210712	IL2636	25282	7/12/21	1037	7/12/21	1117	30.19	17.11			X	X		

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Ellen Slinger	7/12/21	1315	FedEx	7/12/21	1315
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time

Lab Use Only

Shipper Name:	Custody Seals Intact?	Yes	No	None

Sample Transportation Notice: Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples. D.O.T Hotline (800) 467-4922

APPENDIX C
Laboratory Analytical Reports

eurofins | Air Toxics

8/26/2021
Ms. Kimberly Brandt
GeoSyntec Consultants
1111 Broadway
6th Floor
Oakland CA 94607

Project Name: 1766 ElCamino Real
Project #: WR3038/02
Workorder #: 2108292A

Dear Ms. Kimberly Brandt

The following report includes the data for the above referenced project for sample(s) received on 8/13/2021 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

eurofins | Air Toxics

WORK ORDER #: 2108292A

Work Order Summary

CLIENT:	Ms. Kimberly Brandt GeoSyntec Consultants 1111 Broadway 6th Floor Oakland, CA 94607	**BILL TO:**	Accounts Payable GeoSyntec Consultants 1111 Broadway 6th Floor Oakland, CA 94607
PHONE:	510-836-3034	**P.O. #**	100024776
FAX:	510-836-3036	**PROJECT #**	WR3038/02 1766 ElCamino Real
DATE RECEIVED:	08/13/2021	**CONTACT:**	Kathleen Kaneko
DATE COMPLETED:	08/26/2021		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	GVP5D_210811	Modified TO-15	6.5 "Hg	10 psi
02A	GVP5S_210811	Modified TO-15	5.0 "Hg	10 psi
03A	GVP4D_210811	Modified TO-15	8.0 "Hg	10 psi
04A	GVP4S_210811	Modified TO-15	7.5 "Hg	10.2 psi
05A	GVP3D_210811	Modified TO-15	5.5 "Hg	10 psi
06A	GVP3S_210811	Modified TO-15	5.5 "Hg	10 psi
07A	QCFD_1_210811	Modified TO-15	8.0 "Hg	10 psi
08A	QCFD_2_210811	Modified TO-15	6.0 "Hg	10 psi
09A	GVP1D_210812	Modified TO-15	5.0 "Hg	10 psi
10A	GVP2D_210812	Modified TO-15	17.0 "Hg	10 psi
11A	Lab Blank	Modified TO-15	NA	NA
11B	Lab Blank	Modified TO-15	NA	NA
11C	Lab Blank	Modified TO-15	NA	NA
12A	CCV	Modified TO-15	NA	NA
12B	CCV	Modified TO-15	NA	NA
12C	CCV	Modified TO-15	NA	NA
13A	LCS	Modified TO-15	NA	NA
13AA	LCSD	Modified TO-15	NA	NA
13B	LCS	Modified TO-15	NA	NA
13BB	LCSD	Modified TO-15	NA	NA
13C	LCS	Modified TO-15	NA	NA
13CC	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 08/26/21

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209220, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-20-16, UT NELAP – CA009332020-12, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-014, Effective date: 10/18/2020, Expiration date: 10/17/2021.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

LABORATORY NARRATIVE
Modified TO-15
GeoSyntec Consultants
Workorder# 2108292A

Ten 1 Liter Summa Canister (100% Certified) samples were received on August 13, 2021. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the EATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Initial Calibration	</=30% RSD with 2 compounds allowed out to < 40% RSD	</=30% RSD with 4 compounds allowed out to < 40% RSD
Blank and standards	Zero Air	UHP Nitrogen provides a higher purity gas matrix than zero air

Receiving Notes

The Chain of Custody (COC) information for sample GVP1D_210812 did not match the entry on the sample tag with regard to sample identification. The information on the COC was used to process and report the sample.

Sample GVP2D_210812 was received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

Analytical Notes

As per client project requirements, the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Concentrations that are below the level at which the canister was certified may be false positives.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

The reporting limit for Bromomethane was raised from 0.5 ppbv to 1.0 ppbv due to anomalous linearity in the Initial Calibration (analytical batch from 8/17/21).

Dilution was performed on samples GVP5D_210811, GVP5S_210811 and QCFD_2_210811 due to the presence of high level target species.

Dilution was performed on samples GVP4D_210811 and QCFD_1_210811 due to the presence of high level non-target species.

Dilution was performed on samples GVP4S_210811, GVP3S_210811, GVP1D_210812 and GVP2D_210812 due to matrix interference.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

eurofins | Air Toxics

Client ID:	GVP5D_210811		
Lab ID:	2108292A-01A	**Date/Time Analyzed:**	8/17/21 05:21 PM
Date/Time Collected:	8/11/21 10:46 AM	**Dilution Factor:**	21.5
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd21.i / 21081712

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	1.2	4.7	12	Not Detected
1,1,2,2-Tetrachloroethane	79-34-5	1.8	5.9	15	Not Detected
1,1,2-Trichloroethane	79-00-5	1.4	4.7	12	Not Detected
1,1-Dichloroethane	75-34-3	0.89	3.5	8.7	Not Detected
1,1-Dichloroethene	75-35-4	0.98	3.4	8.5	Not Detected
1,2,4-Trichlorobenzene	120-82-1	27	32	80	Not Detected UJ
1,2,4-Trimethylbenzene	95-63-6	1.9	4.2	10	Not Detected
1,2-Dibromoethane (EDB)	106-93-4	2.3	6.6	16	Not Detected
1,2-Dichlorobenzene	95-50-1	1.7	5.2	13	Not Detected
1,2-Dichloroethane	107-06-2	1.0	3.5	8.7	16
1,2-Dichloropropane	78-87-5	1.0	4.0	9.9	Not Detected
1,3,5-Trimethylbenzene	108-67-8	2.3	4.2	10	Not Detected
1,3-Butadiene	106-99-0	0.74	1.9	4.8	Not Detected
1,3-Dichlorobenzene	541-73-1	1.3	5.2	13	Not Detected
1,4-Dichlorobenzene	106-46-7	1.9	5.2	13	Not Detected
1,4-Dioxane	123-91-1	1.1	3.1	7.7	Not Detected
2,2,4-Trimethylpentane	540-84-1	3.1	20	50	1400
2-Butanone (Methyl Ethyl Ketone)	78-93-3	2.4	13	32	13 J
2-Hexanone	591-78-6	2.4	18	44	Not Detected
2-Propanol	67-63-0	2.3	10	26	9.1 J
3-Chloropropene	107-05-1	10	13	34	Not Detected
4-Ethyltoluene	622-96-8	1.8	4.2	10	Not Detected
4-Methyl-2-pentanone	108-10-1	2.0	3.5	8.8	Not Detected
Acetone	67-64-1	8.3	10	51	88

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

eurofins | Air Toxics

Client ID:	GVP5D_210811		
Lab ID:	2108292A-01A	**Date/Time Analyzed:**	8/17/21 05:21 PM
Date/Time Collected:	8/11/21 10:46 AM	**Dilution Factor:**	21.5
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd21.i / 21081712

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
alpha-Chlorotoluene	100-44-7	1.8	4.4	11	Not Detected
Benzene	71-43-2	0.72	2.7	6.9	51
Bromodichloromethane	75-27-4	1.6	5.8	14	Not Detected
Bromoform	75-25-2	3.1	8.9	22	Not Detected
Bromomethane	74-83-9	4.9	17	83	Not Detected
Carbon Disulfide	75-15-0	6.0	13	33	18 J
Carbon Tetrachloride	56-23-5	1.4	5.4	14	20
Chlorobenzene	108-90-7	0.92	4.0	9.9	Not Detected
Chloroethane	75-00-3	2.2	11	28	Not Detected
Chloroform	67-66-3	0.98	4.2	10	15
Chloromethane	74-87-3	3.1	8.9	22	4.2 J
cis-1,2-Dichloroethene	156-59-2	0.79	3.4	8.5	Not Detected
cis-1,3-Dichloropropene	10061-01-5	0.96	3.9	9.8	Not Detected
Cumene	98-82-8	1.1	4.2	10	Not Detected
Cyclohexane	110-82-7	1.9	15	37	2800
Dibromochloromethane	124-48-1	2.2	7.3	18	Not Detected
Ethanol	64-17-5	2.2	8.1	20	Not Detected
Ethyl Benzene	100-41-4	0.86	3.7	9.3	2.2 J
Freon 11	75-69-4	1.0	4.8	12	14
Freon 113	76-13-1	2.3	6.6	16	19
Freon 114	76-14-2	1.2	6.0	15	Not Detected
Freon 12	75-71-8	2.2	21	53	3.8 J
Heptane	142-82-5	2.8	18	44	370
Hexachlorobutadiene	87-68-3	21	46	110	Not Detected UJ

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	GVP5D_210811		
Lab ID:	2108292A-01A	**Date/Time Analyzed:**	8/17/21 05:21 PM
Date/Time Collected:	8/11/21 10:46 AM	**Dilution Factor:**	21.5
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd21.i / 21081712

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Hexane	110-54-3	2.2	15	38	2400
m,p-Xylene	108-38-3	1.4	3.7	9.3	5.2 J
Methyl tert-butyl ether	1634-04-4	1.0	3.1	7.8	Not Detected
Methylene Chloride	75-09-2	12	30	15	Not Detected
o-Xylene	95-47-6	1.2	3.7	9.3	1.9 J
Propylbenzene	103-65-1	1.6	4.2	10	Not Detected
Styrene	100-42-5	0.92	3.7	9.2	Not Detected
Tetrachloroethene	127-18-4	2.2	5.8	14	16
Tetrahydrofuran	109-99-9	3.1	13	32	Not Detected
Toluene	108-88-3	0.56	3.2	8.1	33
trans-1,2-Dichloroethene	156-60-5	0.84	3.4	8.5	Not Detected
trans-1,3-Dichloropropene	10061-02-6	1.0	3.9	9.8	Not Detected
Trichloroethene	79-01-6	1.8	4.6	12	Not Detected
Vinyl Chloride	75-01-4	0.64	2.2	5.5	Not Detected

J = Estimated value.
UJ = Analyte associated with low bias in the CCV.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	110
4-Bromofluorobenzene	460-00-4	70-130	88
Toluene-d8	2037-26-5	70-130	100

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

eurofins | Air Toxics

Client ID:	GVP5S_210811		
Lab ID:	2108292A-02A	**Date/Time Analyzed:**	8/17/21 06:01 PM
Date/Time Collected:	8/11/21 10:49 AM	**Dilution Factor:**	10.1
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd21.i / 21081713

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.56	2.2	5.5	Not Detected
1,1,2,2-Tetrachloroethane	79-34-5	0.82	2.8	6.9	Not Detected
1,1,2-Trichloroethane	79-00-5	0.66	2.2	5.5	Not Detected
1,1-Dichloroethane	75-34-3	0.42	1.6	4.1	Not Detected
1,1-Dichloroethene	75-35-4	0.46	1.6	4.0	Not Detected
1,2,4-Trichlorobenzene	120-82-1	12	15	37	Not Detected UJ
1,2,4-Trimethylbenzene	95-63-6	0.91	2.0	5.0	1.6 J
1,2-Dibromoethane (EDB)	106-93-4	1.1	3.1	7.8	Not Detected
1,2-Dichlorobenzene	95-50-1	0.80	2.4	6.1	Not Detected
1,2-Dichloroethane	107-06-2	0.49	1.6	4.1	21
1,2-Dichloropropane	78-87-5	0.47	1.9	4.7	Not Detected
1,3,5-Trimethylbenzene	108-67-8	1.1	2.0	5.0	Not Detected
1,3-Butadiene	106-99-0	0.35	0.89	2.2	Not Detected
1,3-Dichlorobenzene	541-73-1	0.61	2.4	6.1	Not Detected
1,4-Dichlorobenzene	106-46-7	0.91	2.4	6.1	Not Detected
1,4-Dioxane	123-91-1	0.53	1.4	3.6	Not Detected
2,2,4-Trimethylpentane	540-84-1	1.5	9.4	24	2500 E
2-Butanone (Methyl Ethyl Ketone)	78-93-3	1.1	6.0	15	16
2-Hexanone	591-78-6	1.2	8.3	21	Not Detected
2-Propanol	67-63-0	1.1	5.0	12	6.0 J
3-Chloropropene	107-05-1	4.9	6.3	16	Not Detected
4-Ethyltoluene	622-96-8	0.83	2.0	5.0	2.2 J
4-Methyl-2-pentanone	108-10-1	0.93	1.6	4.1	Not Detected
Acetone	67-64-1	3.9	4.8	24	130

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	GVP5S_210811		
Lab ID:	2108292A-02A	**Date/Time Analyzed:**	8/17/21 06:01 PM
Date/Time Collected:	8/11/21 10:49 AM	**Dilution Factor:**	10.1
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd21.i / 21081713

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
alpha-Chlorotoluene	100-44-7	0.85	2.1	5.2	Not Detected
Benzene	71-43-2	0.34	1.3	3.2	200
Bromodichloromethane	75-27-4	0.73	2.7	6.8	Not Detected
Bromoform	75-25-2	1.4	4.2	10	Not Detected
Bromomethane	74-83-9	2.3	7.8	39	Not Detected
Carbon Disulfide	75-15-0	2.8	6.3	16	17
Carbon Tetrachloride	56-23-5	0.67	2.5	6.4	8.3
Chlorobenzene	108-90-7	0.43	1.8	4.6	Not Detected
Chloroethane	75-00-3	1.0	5.3	13	Not Detected
Chloroform	67-66-3	0.46	2.0	4.9	48
Chloromethane	74-87-3	1.5	4.2	10	1.7 J
cis-1,2-Dichloroethene	156-59-2	0.37	1.6	4.0	Not Detected
cis-1,3-Dichloropropene	10061-01-5	0.45	1.8	4.6	Not Detected
Cumene	98-82-8	0.52	2.0	5.0	Not Detected
Cyclohexane	110-82-7	0.90	7.0	17	210
Dibromochloromethane	124-48-1	1.0	3.4	8.6	Not Detected
Ethanol	64-17-5	1.0	3.8	9.5	Not Detected
Ethyl Benzene	100-41-4	0.40	1.8	4.4	5.4
Freon 11	75-69-4	0.50	2.3	5.7	0.78 J
Freon 113	76-13-1	1.1	3.1	7.7	Not Detected
Freon 114	76-14-2	0.55	2.8	7.1	Not Detected
Freon 12	75-71-8	1.0	10	25	Not Detected
Heptane	142-82-5	1.3	8.3	21	660
Hexachlorobutadiene	87-68-3	10	22	54	Not Detected UJ

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	GVP5S_210811		
Lab ID:	2108292A-02A	**Date/Time Analyzed:**	8/17/21 06:01 PM
Date/Time Collected:	8/11/21 10:49 AM	**Dilution Factor:**	10.1
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd21.i / 21081713

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Hexane	110-54-3	1.0	7.1	18	2800 E
m,p-Xylene	108-38-3	0.64	1.8	4.4	10
Methyl tert-butyl ether	1634-04-4	0.48	1.4	3.6	Not Detected
Methylene Chloride	75-09-2	5.7	14	7.0	Not Detected
o-Xylene	95-47-6	0.55	1.8	4.4	3.0 J
Propylbenzene	103-65-1	0.75	2.0	5.0	Not Detected
Styrene	100-42-5	0.43	1.7	4.3	Not Detected
Tetrachloroethene	127-18-4	1.0	2.7	6.8	5.4 J
Tetrahydrofuran	109-99-9	1.5	6.0	15	Not Detected
Toluene	108-88-3	0.26	1.5	3.8	110
trans-1,2-Dichloroethene	156-60-5	0.39	1.6	4.0	Not Detected
trans-1,3-Dichloropropene	10061-02-6	0.48	1.8	4.6	Not Detected
Trichloroethene	79-01-6	0.85	2.2	5.4	Not Detected
Vinyl Chloride	75-01-4	0.30	1.0	2.6	Not Detected

J = Estimated value.
E = Exceeds instrument calibration range.
UJ = Analyte associated with low bias in the CCV.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	109
4-Bromofluorobenzene	460-00-4	70-130	86
Toluene-d8	2037-26-5	70-130	96

EPA METHOD TO-15 GC/MS
1766 ElCamino Real

Client ID:	GVP4D_210811		
Lab ID:	2108292A-03A	**Date/Time Analyzed:**	8/20/21 04:32 PM
Date/Time Collected:	8/11/21 01:04 PM	**Dilution Factor:**	2.29
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd14.i / 14082018

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	4.9	50	62	Not Detected
1,1,2,2-Tetrachloroethane	79-34-5	11	63	79	Not Detected
1,1,2-Trichloroethane	79-00-5	12	50	62	Not Detected
1,1-Dichloroethane	75-34-3	7.8	37	46	Not Detected
1,1-Dichloroethene	75-35-4	9.1	36	45	Not Detected
1,2,4-Trichlorobenzene	120-82-1	200	250	340	Not Detected
1,2,4-Trimethylbenzene	95-63-6	6.9	45	56	Not Detected
1,2-Dibromoethane (EDB)	106-93-4	17	70	88	Not Detected
1,2-Dichlorobenzene	95-50-1	15	55	69	Not Detected
1,2-Dichloroethane	107-06-2	8.2	37	46	Not Detected
1,2-Dichloropropane	78-87-5	17	42	53	Not Detected
1,3,5-Trimethylbenzene	108-67-8	6.0	45	56	Not Detected
1,3-Butadiene	106-99-0	12	20	25	Not Detected
1,3-Dichlorobenzene	541-73-1	12	55	69	Not Detected
1,4-Dichlorobenzene	106-46-7	13	55	69	Not Detected
1,4-Dioxane	123-91-1	20	33	160	Not Detected
2,2,4-Trimethylpentane	540-84-1	8.0	43	53	1000
2-Butanone (Methyl Ethyl Ketone)	78-93-3	35	100	140	Not Detected
2-Hexanone	591-78-6	41	140	190	Not Detected
2-Propanol	67-63-0	18	84	110	Not Detected
3-Chloropropene	107-05-1	18	110	140	Not Detected
4-Ethyltoluene	622-96-8	5.4	45	56	Not Detected
4-Methyl-2-pentanone	108-10-1	26	42	47	Not Detected
Acetone	67-64-1	19	82	110	90 J

EPA METHOD TO-15 GC/MS
1766 ElCamino Real

Client ID:	GVP4D_210811		
Lab ID:	2108292A-03A	**Date/Time Analyzed:**	8/20/21 04:32 PM
Date/Time Collected:	8/11/21 01:04 PM	**Dilution Factor:**	2.29
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd14.i / 14082018

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
alpha-Chlorotoluene	100-44-7	8.4	47	59	Not Detected
Benzene	71-43-2	3.0	29	36	48
Bromodichloromethane	75-27-4	14	61	77	Not Detected
Bromoform	75-25-2	14	95	120	Not Detected
Bromomethane	74-83-9	27	130	180	Not Detected
Carbon Disulfide	75-15-0	12	110	140	14 J
Carbon Tetrachloride	56-23-5	11	58	72	14 J
Chlorobenzene	108-90-7	5.3	42	53	Not Detected
Chloroethane	75-00-3	18	91	120	Not Detected
Chloroform	67-66-3	12	45	56	Not Detected
Chloromethane	74-87-3	36	71	94	Not Detected
cis-1,2-Dichloroethene	156-59-2	12	36	45	Not Detected
cis-1,3-Dichloropropene	10061-01-5	7.9	42	52	Not Detected
Cumene	98-82-8	6.3	45	56	Not Detected
Cyclohexane	110-82-7	15	32	39	1500
Dibromochloromethane	124-48-1	14	78	98	Not Detected
Ethanol	64-17-5	33	65	86	Not Detected
Ethyl Benzene	100-41-4	7.4	40	50	Not Detected
Freon 11	75-69-4	8.6	51	64	10 J
Freon 113	76-13-1	20	70	88	Not Detected
Freon 114	76-14-2	20	64	80	Not Detected
Freon 12	75-71-8	16	45	57	Not Detected
Heptane	142-82-5	12	38	47	140
Hexachlorobutadiene	87-68-3	230	370	490	Not Detected

EPA METHOD TO-15 GC/MS
1766 ElCamino Real

Client ID:	GVP4D_210811		
Lab ID:	2108292A-03A	**Date/Time Analyzed:**	8/20/21 04:32 PM
Date/Time Collected:	8/11/21 01:04 PM	**Dilution Factor:**	2.29
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd14.i / 14082018

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Hexane	110-54-3	7.7	32	40	2500
m,p-Xylene	108-38-3	9.1	40	50	Not Detected
Methyl tert-butyl ether	1634-04-4	15	33	41	Not Detected
Methylene Chloride	75-09-2	28	120	160	61 J
o-Xylene	95-47-6	6.4	40	50	Not Detected
Propylbenzene	103-65-1	7.2	45	56	Not Detected
Styrene	100-42-5	8.5	39	49	Not Detected
Tetrachloroethene	127-18-4	16	62	78	120
Tetrahydrofuran	109-99-9	16	27	34	Not Detected
Toluene	108-88-3	5.6	34	43	20 J
trans-1,2-Dichloroethene	156-60-5	9.9	36	45	Not Detected
trans-1,3-Dichloropropene	10061-02-6	22	42	52	Not Detected
Trichloroethene	79-01-6	13	49	62	Not Detected
Vinyl Chloride	75-01-4	14	23	29	Not Detected

J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	84
4-Bromofluorobenzene	460-00-4	70-130	96
Toluene-d8	2037-26-5	70-130	98

EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	GVP4S_210811		
Lab ID:	2108292A-04A	**Date/Time Analyzed:**	8/23/21 09:22 PM
Date/Time Collected:	8/11/21 12:17 PM	**Dilution Factor:**	11.3
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd3.i / 3082319

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	3.7	15	31	Not Detected
1,1,2,2-Tetrachloroethane	79-34-5	3.0	23	39	Not Detected
1,1,2-Trichloroethane	79-00-5	4.2	18	31	Not Detected
1,1-Dichloroethane	75-34-3	3.0	11	23	Not Detected
1,1-Dichloroethene	75-35-4	4.7	13	22	Not Detected
1,2,4-Trichlorobenzene	120-82-1	19	100	170	Not Detected
1,2,4-Trimethylbenzene	95-63-6	10	17	28	Not Detected
1,2-Dibromoethane (EDB)	106-93-4	3.6	26	43	Not Detected
1,2-Dichlorobenzene	95-50-1	2.9	20	34	Not Detected
1,2-Dichloroethane	107-06-2	4.6	14	23	Not Detected
1,2-Dichloropropane	78-87-5	8.8	16	26	Not Detected
1,3,5-Trimethylbenzene	108-67-8	4.3	17	28	Not Detected
1,3-Butadiene	106-99-0	4.1	7.5	12	Not Detected
1,3-Dichlorobenzene	541-73-1	4.3	20	34	Not Detected
1,4-Dichlorobenzene	106-46-7	2.2	20	34	Not Detected
1,4-Dioxane	123-91-1	4.0	20	81	Not Detected
2,2,4-Trimethylpentane	540-84-1	2.0	16	26	130
2-Butanone (Methyl Ethyl Ketone)	78-93-3	12	42	67	Not Detected
2-Hexanone	591-78-6	7.8	58	92	Not Detected
2-Propanol	67-63-0	3.7	35	56	21 J
3-Chloropropene	107-05-1	7.2	18	71	Not Detected
4-Ethyltoluene	622-96-8	7.0	17	28	Not Detected
4-Methyl-2-pentanone	108-10-1	3.5	14	23	7.6 J
Acetone	67-64-1	9.6	34	130	270

EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	GVP4S_210811		
Lab ID:	2108292A-04A	**Date/Time Analyzed:**	8/23/21 09:22 PM
Date/Time Collected:	8/11/21 12:17 PM	**Dilution Factor:**	11.3
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd3.i / 3082319

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
alpha-Chlorotoluene	100-44-7	2.4	18	29	Not Detected
Benzene	71-43-2	1.4	11	18	19
Bromodichloromethane	75-27-4	7.2	19	38	Not Detected
Bromoform	75-25-2	5.0	35	58	Not Detected
Bromomethane	74-83-9	9.8	55	220	Not Detected
Carbon Disulfide	75-15-0	16	44	70	19 J
Carbon Tetrachloride	56-23-5	5.8	21	36	9.3 J
Chlorobenzene	108-90-7	2.3	13	26	Not Detected
Chloroethane	75-00-3	12	37	60	Not Detected
Chloroform	67-66-3	3.3	14	28	14 J
Chloromethane	74-87-3	12	29	120	Not Detected
cis-1,2-Dichloroethene	156-59-2	4.0	13	22	Not Detected
cis-1,3-Dichloropropene	10061-01-5	3.7	15	26	Not Detected
Cumene	98-82-8	3.5	17	28	Not Detected
Cyclohexane	110-82-7	4.2	12	19	1200
Dibromochloromethane	124-48-1	6.7	29	48	Not Detected
Ethanol	64-17-5	12	27	110	Not Detected
Ethyl Benzene	100-41-4	4.1	15	24	Not Detected
Freon 11	75-69-4	3.6	19	32	8.2 J
Freon 113	76-13-1	6.8	26	43	8.5 J
Freon 114	76-14-2	5.4	24	39	Not Detected
Freon 12	75-71-8	5.0	17	28	Not Detected
Heptane	142-82-5	4.1	14	23	42
Hexachlorobutadiene	87-68-3	27	150	240	Not Detected

EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	GVP4S_210811		
Lab ID:	2108292A-04A	**Date/Time Analyzed:**	8/23/21 09:22 PM
Date/Time Collected:	8/11/21 12:17 PM	**Dilution Factor:**	11.3
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd3.i / 3082319

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Hexane	110-54-3	3.7	12	20	550
m,p-Xylene	108-38-3	13	15	24	Not Detected
Methyl tert-butyl ether	1634-04-4	5.0	20	81	Not Detected
Methylene Chloride	75-09-2	11	49	200	48 J
o-Xylene	95-47-6	6.6	15	24	Not Detected
Propylbenzene	103-65-1	4.5	17	28	Not Detected
Styrene	100-42-5	2.8	14	24	Not Detected
Tetrachloroethene	127-18-4	6.8	23	38	450
Tetrahydrofuran	109-99-9	3.6	10	17	Not Detected
Toluene	108-88-3	5.2	13	21	21 J
trans-1,2-Dichloroethene	156-60-5	9.3	13	22	Not Detected
trans-1,3-Dichloropropene	10061-02-6	3.5	15	26	Not Detected
Trichloroethene	79-01-6	3.8	18	30	Not Detected
Vinyl Chloride	75-01-4	5.7	8.7	14	Not Detected

J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	99
4-Bromofluorobenzene	460-00-4	70-130	98
Toluene-d8	2037-26-5	70-130	100

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	GVP3D_210811		
Lab ID:	2108292A-05A	**Date/Time Analyzed:**	8/17/21 06:41 PM
Date/Time Collected:	8/11/21 03:32 PM	**Dilution Factor:**	2.06
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd21.i / 21081714

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.11	0.45	1.1	Not Detected
1,1,2,2-Tetrachloroethane	79-34-5	0.17	0.56	1.4	Not Detected
1,1,2-Trichloroethane	79-00-5	0.14	0.45	1.1	Not Detected
1,1-Dichloroethane	75-34-3	0.085	0.33	0.83	Not Detected
1,1-Dichloroethene	75-35-4	0.094	0.33	0.82	Not Detected
1,2,4-Trichlorobenzene	120-82-1	2.6	3.0	7.6	Not Detected UJ
1,2,4-Trimethylbenzene	95-63-6	0.18	0.40	1.0	1.6
1,2-Dibromoethane (EDB)	106-93-4	0.22	0.63	1.6	Not Detected
1,2-Dichlorobenzene	95-50-1	0.16	0.50	1.2	Not Detected
1,2-Dichloroethane	107-06-2	0.10	0.33	0.83	1.2
1,2-Dichloropropane	78-87-5	0.097	0.38	0.95	Not Detected
1,3,5-Trimethylbenzene	108-67-8	0.22	0.40	1.0	0.64 J
1,3-Butadiene	106-99-0	0.071	0.18	0.46	Not Detected
1,3-Dichlorobenzene	541-73-1	0.12	0.50	1.2	Not Detected
1,4-Dichlorobenzene	106-46-7	0.18	0.50	1.2	Not Detected
1,4-Dioxane	123-91-1	0.11	0.30	0.74	0.84
2,2,4-Trimethylpentane	540-84-1	0.30	1.9	4.8	160
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.23	1.2	3.0	15
2-Hexanone	591-78-6	0.23	1.7	4.2	0.50 J
2-Propanol	67-63-0	0.22	1.0	2.5	19
3-Chloropropene	107-05-1	1.0	1.3	3.2	Not Detected
4-Ethyltoluene	622-96-8	0.17	0.40	1.0	1.5
4-Methyl-2-pentanone	108-10-1	0.19	0.34	0.84	Not Detected
Acetone	67-64-1	0.80	0.98	4.9	82

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	GVP3D_210811		
Lab ID:	2108292A-05A	**Date/Time Analyzed:**	8/17/21 06:41 PM
Date/Time Collected:	8/11/21 03:32 PM	**Dilution Factor:**	2.06
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd21.i / 21081714

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
alpha-Chlorotoluene	100-44-7	0.17	0.43	1.1	Not Detected
Benzene	71-43-2	0.069	0.26	0.66	13
Bromodichloromethane	75-27-4	0.15	0.55	1.4	Not Detected
Bromoform	75-25-2	0.30	0.85	2.1	Not Detected
Bromomethane	74-83-9	0.47	1.6	8.0	Not Detected
Carbon Disulfide	75-15-0	0.57	1.3	3.2	100
Carbon Tetrachloride	56-23-5	0.14	0.52	1.3	0.53 J
Chlorobenzene	108-90-7	0.088	0.38	0.95	0.14 J
Chloroethane	75-00-3	0.21	1.1	2.7	0.23 J
Chloroform	67-66-3	0.094	0.40	1.0	1.2
Chloromethane	74-87-3	0.30	0.85	2.1	0.50 J
cis-1,2-Dichloroethene	156-59-2	0.076	0.33	0.82	Not Detected
cis-1,3-Dichloropropene	10061-01-5	0.092	0.37	0.93	Not Detected
Cumene	98-82-8	0.11	0.40	1.0	Not Detected
Cyclohexane	110-82-7	0.18	1.4	3.5	29
Dibromochloromethane	124-48-1	0.21	0.70	1.8	Not Detected
Ethanol	64-17-5	0.21	0.78	1.9	Not Detected
Ethyl Benzene	100-41-4	0.083	0.36	0.89	1.7
Freon 11	75-69-4	0.10	0.46	1.2	0.24 J
Freon 113	76-13-1	0.22	0.63	1.6	0.22 J
Freon 114	76-14-2	0.11	0.58	1.4	Not Detected
Freon 12	75-71-8	0.21	2.0	5.1	Not Detected
Heptane	142-82-5	0.26	1.7	4.2	43
Hexachlorobutadiene	87-68-3	2.0	4.4	11	Not Detected UJ

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	GVP3D_210811		
Lab ID:	2108292A-05A	**Date/Time Analyzed:**	8/17/21 06:41 PM
Date/Time Collected:	8/11/21 03:32 PM	**Dilution Factor:**	2.06
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd21.i / 21081714

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Hexane	110-54-3	0.21	1.4	3.6	150
m,p-Xylene	108-38-3	0.13	0.36	0.89	4.9
Methyl tert-butyl ether	1634-04-4	0.098	0.30	0.74	Not Detected
Methylene Chloride	75-09-2	1.2	2.9	1.4	Not Detected
o-Xylene	95-47-6	0.11	0.36	0.89	1.7
Propylbenzene	103-65-1	0.15	0.40	1.0	0.42 J
Styrene	100-42-5	0.088	0.35	0.88	0.36 J
Tetrachloroethene	127-18-4	0.21	0.56	1.4	0.66 J
Tetrahydrofuran	109-99-9	0.30	1.2	3.0	Not Detected
Toluene	108-88-3	0.054	0.31	0.78	16
trans-1,2-Dichloroethene	156-60-5	0.080	0.33	0.82	Not Detected
trans-1,3-Dichloropropene	10061-02-6	0.098	0.37	0.93	Not Detected
Trichloroethene	79-01-6	0.17	0.44	1.1	Not Detected
Vinyl Chloride	75-01-4	0.062	0.21	0.53	0.72

J = Estimated value.
UJ = Analyte associated with low bias in the CCV.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	120
4-Bromofluorobenzene	460-00-4	70-130	88
Toluene-d8	2037-26-5	70-130	102

EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	GVP3S_210811		
Lab ID:	2108292A-06A	**Date/Time Analyzed:**	8/23/21 09:50 PM
Date/Time Collected:	8/11/21 03:29 PM	**Dilution Factor:**	8.23
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd3.i / 3082320

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	2.7	11	22	Not Detected
1,1,2,2-Tetrachloroethane	79-34-5	2.2	17	28	Not Detected
1,1,2-Trichloroethane	79-00-5	3.1	13	22	Not Detected
1,1-Dichloroethane	75-34-3	2.2	8.3	17	Not Detected
1,1-Dichloroethene	75-35-4	3.4	9.8	16	Not Detected
1,2,4-Trichlorobenzene	120-82-1	14	76	120	Not Detected
1,2,4-Trimethylbenzene	95-63-6	7.5	12	20	Not Detected
1,2-Dibromoethane (EDB)	106-93-4	2.7	19	32	Not Detected
1,2-Dichlorobenzene	95-50-1	2.1	15	25	Not Detected
1,2-Dichloroethane	107-06-2	3.3	10	17	Not Detected
1,2-Dichloropropane	78-87-5	6.4	11	19	Not Detected
1,3,5-Trimethylbenzene	108-67-8	3.1	12	20	Not Detected
1,3-Butadiene	106-99-0	3.0	5.5	9.1	Not Detected
1,3-Dichlorobenzene	541-73-1	3.2	15	25	Not Detected
1,4-Dichlorobenzene	106-46-7	1.6	15	25	Not Detected
1,4-Dioxane	123-91-1	2.9	15	59	Not Detected
2,2,4-Trimethylpentane	540-84-1	1.5	12	19	32
2-Butanone (Methyl Ethyl Ketone)	78-93-3	8.6	30	48	16 J
2-Hexanone	591-78-6	5.7	42	67	Not Detected
2-Propanol	67-63-0	2.7	25	40	17 J
3-Chloropropene	107-05-1	5.2	13	52	Not Detected
4-Ethyltoluene	622-96-8	5.1	12	20	Not Detected
4-Methyl-2-pentanone	108-10-1	2.5	10	17	3.6 J
Acetone	67-64-1	7.0	24	98	150

EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	GVP3S_210811		
Lab ID:	2108292A-06A	**Date/Time Analyzed:**	8/23/21 09:50 PM
Date/Time Collected:	8/11/21 03:29 PM	**Dilution Factor:**	8.23
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd3.i / 3082320

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
alpha-Chlorotoluene	100-44-7	1.7	13	21	Not Detected
Benzene	71-43-2	0.99	7.9	13	7.2 J
Bromodichloromethane	75-27-4	5.3	14	28	Not Detected
Bromoform	75-25-2	3.7	26	42	Not Detected
Bromomethane	74-83-9	7.2	40	160	Not Detected
Carbon Disulfide	75-15-0	12	32	51	30 J
Carbon Tetrachloride	56-23-5	4.2	16	26	4.7 J
Chlorobenzene	108-90-7	1.6	9.5	19	Not Detected
Chloroethane	75-00-3	8.8	27	43	Not Detected
Chloroform	67-66-3	2.4	10	20	9.5 J
Chloromethane	74-87-3	9.0	21	85	Not Detected
cis-1,2-Dichloroethene	156-59-2	2.9	9.8	16	Not Detected
cis-1,3-Dichloropropene	10061-01-5	2.7	11	19	Not Detected
Cumene	98-82-8	2.6	12	20	Not Detected
Cyclohexane	110-82-7	3.0	8.5	14	550
Dibromochloromethane	124-48-1	4.9	21	35	Not Detected
Ethanol	64-17-5	8.4	19	78	Not Detected
Ethyl Benzene	100-41-4	3.0	11	18	Not Detected
Freon 11	75-69-4	2.6	14	23	Not Detected
Freon 113	76-13-1	5.0	19	32	Not Detected
Freon 114	76-14-2	4.0	17	29	Not Detected
Freon 12	75-71-8	3.7	12	20	Not Detected
Heptane	142-82-5	3.0	10	17	16 J
Hexachlorobutadiene	87-68-3	19	110	180	Not Detected

EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	GVP3S_210811		
Lab ID:	2108292A-06A	**Date/Time Analyzed:**	8/23/21 09:50 PM
Date/Time Collected:	8/11/21 03:29 PM	**Dilution Factor:**	8.23
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd3.i / 3082320

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Hexane	110-54-3	2.7	8.7	14	170
m,p-Xylene	108-38-3	9.8	11	18	Not Detected
Methyl tert-butyl ether	1634-04-4	3.6	15	59	Not Detected
Methylene Chloride	75-09-2	8.1	36	140	40 J
o-Xylene	95-47-6	4.8	11	18	Not Detected
Propylbenzene	103-65-1	3.3	12	20	Not Detected
Styrene	100-42-5	2.0	10	18	Not Detected
Tetrachloroethene	127-18-4	4.9	17	28	Not Detected
Tetrahydrofuran	109-99-9	2.6	7.3	12	Not Detected
Toluene	108-88-3	3.8	9.3	16	7.2 J
trans-1,2-Dichloroethene	156-60-5	6.8	9.8	16	Not Detected
trans-1,3-Dichloropropene	10061-02-6	2.6	11	19	Not Detected
Trichloroethene	79-01-6	2.8	13	22	Not Detected
Vinyl Chloride	75-01-4	4.1	6.3	10	Not Detected

J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	99
4-Bromofluorobenzene	460-00-4	70-130	98
Toluene-d8	2037-26-5	70-130	99

EPA METHOD TO-15 GC/MS
1766 ElCamino Real

Client ID:	QCFD_1_210811		
Lab ID:	2108292A-07A	**Date/Time Analyzed:**	8/20/21 06:10 PM
Date/Time Collected:	8/11/21 12:00 AM	**Dilution Factor:**	2.29
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd14.i / 14082021

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	4.9	50	62	Not Detected
1,1,2,2-Tetrachloroethane	79-34-5	11	63	79	Not Detected
1,1,2-Trichloroethane	79-00-5	12	50	62	Not Detected
1,1-Dichloroethane	75-34-3	7.8	37	46	Not Detected
1,1-Dichloroethene	75-35-4	9.1	36	45	Not Detected
1,2,4-Trichlorobenzene	120-82-1	200	250	340	Not Detected
1,2,4-Trimethylbenzene	95-63-6	6.9	45	56	Not Detected
1,2-Dibromoethane (EDB)	106-93-4	17	70	88	Not Detected
1,2-Dichlorobenzene	95-50-1	15	55	69	Not Detected
1,2-Dichloroethane	107-06-2	8.2	37	46	Not Detected
1,2-Dichloropropane	78-87-5	17	42	53	Not Detected
1,3,5-Trimethylbenzene	108-67-8	6.0	45	56	Not Detected
1,3-Butadiene	106-99-0	12	20	25	Not Detected
1,3-Dichlorobenzene	541-73-1	12	55	69	Not Detected
1,4-Dichlorobenzene	106-46-7	13	55	69	Not Detected
1,4-Dioxane	123-91-1	20	33	160	Not Detected
2,2,4-Trimethylpentane	540-84-1	8.0	43	53	1000
2-Butanone (Methyl Ethyl Ketone)	78-93-3	35	100	140	Not Detected
2-Hexanone	591-78-6	41	140	190	Not Detected
2-Propanol	67-63-0	18	84	110	Not Detected
3-Chloropropene	107-05-1	18	110	140	Not Detected
4-Ethyltoluene	622-96-8	5.4	45	56	Not Detected
4-Methyl-2-pentanone	108-10-1	26	42	47	Not Detected
Acetone	67-64-1	19	82	110	74 J

EPA METHOD TO-15 GC/MS
1766 ElCamino Real

Client ID:	QCFD_1_210811		
Lab ID:	2108292A-07A	**Date/Time Analyzed:**	8/20/21 06:10 PM
Date/Time Collected:	8/11/21 12:00 AM	**Dilution Factor:**	2.29
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd14.i / 14082021

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
alpha-Chlorotoluene	100-44-7	8.4	47	59	Not Detected
Benzene	71-43-2	3.0	29	36	40
Bromodichloromethane	75-27-4	14	61	77	Not Detected
Bromoform	75-25-2	14	95	120	Not Detected
Bromomethane	74-83-9	27	130	180	Not Detected
Carbon Disulfide	75-15-0	12	110	140	14 J
Carbon Tetrachloride	56-23-5	11	58	72	14 J
Chlorobenzene	108-90-7	5.3	42	53	Not Detected
Chloroethane	75-00-3	18	91	120	Not Detected
Chloroform	67-66-3	12	45	56	Not Detected
Chloromethane	74-87-3	36	71	94	Not Detected
cis-1,2-Dichloroethene	156-59-2	12	36	45	Not Detected
cis-1,3-Dichloropropene	10061-01-5	7.9	42	52	Not Detected
Cumene	98-82-8	6.3	45	56	Not Detected
Cyclohexane	110-82-7	15	32	39	1500
Dibromochloromethane	124-48-1	14	78	98	Not Detected
Ethanol	64-17-5	33	65	86	Not Detected
Ethyl Benzene	100-41-4	7.4	40	50	Not Detected
Freon 11	75-69-4	8.6	51	64	12 J
Freon 113	76-13-1	20	70	88	Not Detected
Freon 114	76-14-2	20	64	80	Not Detected
Freon 12	75-71-8	16	45	57	Not Detected
Heptane	142-82-5	12	38	47	130
Hexachlorobutadiene	87-68-3	230	370	490	Not Detected

EPA METHOD TO-15 GC/MS
1766 ElCamino Real

Client ID:	QCFD_1_210811		
Lab ID:	2108292A-07A	**Date/Time Analyzed:**	8/20/21 06:10 PM
Date/Time Collected:	8/11/21 12:00 AM	**Dilution Factor:**	2.29
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd14.i / 14082021

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Hexane	110-54-3	7.7	32	40	2500
m,p-Xylene	108-38-3	9.1	40	50	Not Detected
Methyl tert-butyl ether	1634-04-4	15	33	41	Not Detected
Methylene Chloride	75-09-2	28	120	160	63 J
o-Xylene	95-47-6	6.4	40	50	Not Detected
Propylbenzene	103-65-1	7.2	45	56	Not Detected
Styrene	100-42-5	8.5	39	49	Not Detected
Tetrachloroethene	127-18-4	16	62	78	130
Tetrahydrofuran	109-99-9	16	27	34	Not Detected
Toluene	108-88-3	5.6	34	43	20 J
trans-1,2-Dichloroethene	156-60-5	9.9	36	45	Not Detected
trans-1,3-Dichloropropene	10061-02-6	22	42	52	Not Detected
Trichloroethene	79-01-6	13	49	62	Not Detected
Vinyl Chloride	75-01-4	14	23	29	Not Detected

J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	85
4-Bromofluorobenzene	460-00-4	70-130	98
Toluene-d8	2037-26-5	70-130	97

EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	QCFD_2_210811		
Lab ID:	2108292A-08A	**Date/Time Analyzed:**	8/23/21 10:17 PM
Date/Time Collected:	8/11/21 12:00 AM	**Dilution Factor:**	4.20
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd3.i / 3082321

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	1.4	5.7	11	Not Detected
1,1,2,2-Tetrachloroethane	79-34-5	1.1	8.6	14	Not Detected
1,1,2-Trichloroethane	79-00-5	1.6	6.9	11	Not Detected
1,1-Dichloroethane	75-34-3	1.1	4.2	8.5	Not Detected
1,1-Dichloroethene	75-35-4	1.7	5.0	8.3	Not Detected
1,2,4-Trichlorobenzene	120-82-1	7.0	39	62	Not Detected
1,2,4-Trimethylbenzene	95-63-6	3.8	6.2	10	Not Detected
1,2-Dibromoethane (EDB)	106-93-4	1.4	9.7	16	Not Detected
1,2-Dichlorobenzene	95-50-1	1.1	7.6	13	Not Detected
1,2-Dichloroethane	107-06-2	1.7	5.1	8.5	21
1,2-Dichloropropane	78-87-5	3.3	5.8	9.7	Not Detected
1,3,5-Trimethylbenzene	108-67-8	1.6	6.2	10	Not Detected
1,3-Butadiene	106-99-0	1.5	2.8	4.6	Not Detected
1,3-Dichlorobenzene	541-73-1	1.6	7.6	13	Not Detected
1,4-Dichlorobenzene	106-46-7	0.82	7.6	13	Not Detected
1,4-Dioxane	123-91-1	1.5	7.6	30	Not Detected
2,2,4-Trimethylpentane	540-84-1	0.76	5.9	9.8	1400
2-Butanone (Methyl Ethyl Ketone)	78-93-3	4.4	15	25	16 J
2-Hexanone	591-78-6	2.9	22	34	Not Detected
2-Propanol	67-63-0	1.4	13	21	11 J
3-Chloropropene	107-05-1	2.7	6.6	26	Not Detected
4-Ethyltoluene	622-96-8	2.6	6.2	10	Not Detected
4-Methyl-2-pentanone	108-10-1	1.3	5.2	8.6	Not Detected
Acetone	67-64-1	3.6	12	50	140

EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	QCFD_2_210811		
Lab ID:	2108292A-08A	**Date/Time Analyzed:**	8/23/21 10:17 PM
Date/Time Collected:	8/11/21 12:00 AM	**Dilution Factor:**	4.20
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd3.i / 3082321

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
alpha-Chlorotoluene	100-44-7	0.88	6.5	11	Not Detected
Benzene	71-43-2	0.50	4.0	6.7	170
Bromodichloromethane	75-27-4	2.7	7.0	14	Not Detected
Bromoform	75-25-2	1.9	13	22	Not Detected
Bromomethane	74-83-9	3.6	20	82	Not Detected
Carbon Disulfide	75-15-0	6.1	16	26	17 J
Carbon Tetrachloride	56-23-5	2.2	7.9	13	4.0 J
Chlorobenzene	108-90-7	0.84	4.8	9.7	Not Detected
Chloroethane	75-00-3	4.5	14	22	Not Detected
Chloroform	67-66-3	1.2	5.1	10	43
Chloromethane	74-87-3	4.6	11	43	Not Detected
cis-1,2-Dichloroethene	156-59-2	1.5	5.0	8.3	Not Detected
cis-1,3-Dichloropropene	10061-01-5	1.4	5.7	9.5	Not Detected
Cumene	98-82-8	1.3	6.2	10	Not Detected
Cyclohexane	110-82-7	1.6	4.3	7.2	160
Dibromochloromethane	124-48-1	2.5	11	18	Not Detected
Ethanol	64-17-5	4.3	9.9	40	29 J
Ethyl Benzene	100-41-4	1.5	5.5	9.1	5.6 J
Freon 11	75-69-4	1.4	7.1	12	Not Detected
Freon 113	76-13-1	2.5	9.6	16	Not Detected
Freon 114	76-14-2	2.0	8.8	15	Not Detected
Freon 12	75-71-8	1.9	6.2	10	Not Detected
Heptane	142-82-5	1.5	5.2	8.6	390
Hexachlorobutadiene	87-68-3	9.9	56	90	Not Detected

EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	QCFD_2_210811		
Lab ID:	2108292A-08A	**Date/Time Analyzed:**	8/23/21 10:17 PM
Date/Time Collected:	8/11/21 12:00 AM	**Dilution Factor:**	4.20
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd3.i / 3082321

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Hexane	110-54-3	1.4	4.4	7.4	3000 E
m,p-Xylene	108-38-3	5.0	5.5	9.1	11
Methyl tert-butyl ether	1634-04-4	1.8	7.6	30	Not Detected
Methylene Chloride	75-09-2	4.1	18	73	34 J
o-Xylene	95-47-6	2.4	5.5	9.1	3.6 J
Propylbenzene	103-65-1	1.7	6.2	10	Not Detected
Styrene	100-42-5	1.0	5.4	8.9	Not Detected
Tetrachloroethene	127-18-4	2.5	8.5	14	8.2 J
Tetrahydrofuran	109-99-9	1.3	3.7	6.2	Not Detected
Toluene	108-88-3	1.9	4.7	7.9	100
trans-1,2-Dichloroethene	156-60-5	3.4	5.0	8.3	Not Detected
trans-1,3-Dichloropropene	10061-02-6	1.3	5.7	9.5	Not Detected
Trichloroethene	79-01-6	1.4	6.8	11	Not Detected
Vinyl Chloride	75-01-4	2.1	3.2	5.4	Not Detected

J = Estimated value.
E = Exceeds instrument calibration range.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	110
4-Bromofluorobenzene	460-00-4	70-130	97
Toluene-d8	2037-26-5	70-130	101

EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	GVP1D_210812		
Lab ID:	2108292A-09A	**Date/Time Analyzed:**	8/23/21 10:44 PM
Date/Time Collected:	8/12/21 10:33 AM	**Dilution Factor:**	13.4
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd3.i / 3082322

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	4.4	18	36	Not Detected
1,1,2,2-Tetrachloroethane	79-34-5	3.6	28	46	Not Detected
1,1,2-Trichloroethane	79-00-5	5.0	22	36	Not Detected
1,1-Dichloroethane	75-34-3	3.5	14	27	Not Detected
1,1-Dichloroethene	75-35-4	5.5	16	26	Not Detected
1,2,4-Trichlorobenzene	120-82-1	22	120	200	Not Detected
1,2,4-Trimethylbenzene	95-63-6	12	20	33	Not Detected
1,2-Dibromoethane (EDB)	106-93-4	4.3	31	51	Not Detected
1,2-Dichlorobenzene	95-50-1	3.4	24	40	Not Detected
1,2-Dichloroethane	107-06-2	5.4	16	27	Not Detected
1,2-Dichloropropane	78-87-5	10	18	31	Not Detected
1,3,5-Trimethylbenzene	108-67-8	5.1	20	33	Not Detected
1,3-Butadiene	106-99-0	4.9	8.9	15	Not Detected
1,3-Dichlorobenzene	541-73-1	5.2	24	40	Not Detected
1,4-Dichlorobenzene	106-46-7	2.6	24	40	Not Detected
1,4-Dioxane	123-91-1	4.8	24	96	Not Detected
2,2,4-Trimethylpentane	540-84-1	2.4	19	31	1800
2-Butanone (Methyl Ethyl Ketone)	78-93-3	14	49	79	Not Detected
2-Hexanone	591-78-6	9.3	69	110	Not Detected
2-Propanol	67-63-0	4.4	41	66	25 J
3-Chloropropene	107-05-1	8.5	21	84	Not Detected
4-Ethyltoluene	622-96-8	8.4	20	33	Not Detected
4-Methyl-2-pentanone	108-10-1	4.1	16	27	Not Detected
Acetone	67-64-1	11	40	160	59 J

EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	GVP1D_210812		
Lab ID:	2108292A-09A	**Date/Time Analyzed:**	8/23/21 10:44 PM
Date/Time Collected:	8/12/21 10:33 AM	**Dilution Factor:**	13.4
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd3.i / 3082322

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
alpha-Chlorotoluene	100-44-7	2.8	21	35	Not Detected
Benzene	71-43-2	1.6	13	21	130
Bromodichloromethane	75-27-4	8.6	22	45	Not Detected
Bromoform	75-25-2	6.0	42	69	Not Detected
Bromomethane	74-83-9	12	65	260	Not Detected
Carbon Disulfide	75-15-0	20	52	83	Not Detected
Carbon Tetrachloride	56-23-5	6.9	25	42	Not Detected
Chlorobenzene	108-90-7	2.7	15	31	Not Detected
Chloroethane	75-00-3	14	44	71	Not Detected
Chloroform	67-66-3	3.9	16	33	44
Chloromethane	74-87-3	15	34	140	Not Detected
cis-1,2-Dichloroethene	156-59-2	4.8	16	26	Not Detected
cis-1,3-Dichloropropene	10061-01-5	4.4	18	30	Not Detected
Cumene	98-82-8	4.2	20	33	Not Detected
Cyclohexane	110-82-7	4.9	14	23	300
Dibromochloromethane	124-48-1	7.9	34	57	Not Detected
Ethanol	64-17-5	14	32	130	Not Detected
Ethyl Benzene	100-41-4	4.9	17	29	18 J
Freon 11	75-69-4	4.3	22	38	Not Detected
Freon 113	76-13-1	8.1	31	51	Not Detected
Freon 114	76-14-2	6.5	28	47	Not Detected
Freon 12	75-71-8	6.0	20	33	Not Detected
Heptane	142-82-5	4.9	16	27	560
Hexachlorobutadiene	87-68-3	32	180	280	Not Detected

EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	GVP1D_210812		
Lab ID:	2108292A-09A	**Date/Time Analyzed:**	8/23/21 10:44 PM
Date/Time Collected:	8/12/21 10:33 AM	**Dilution Factor:**	13.4
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd3.i / 3082322

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Hexane	110-54-3	4.4	14	24	2700
m,p-Xylene	108-38-3	16	17	29	42
Methyl tert-butyl ether	1634-04-4	5.9	24	97	Not Detected
Methylene Chloride	75-09-2	13	58	230	34 J
o-Xylene	95-47-6	7.8	17	29	12 J
Propylbenzene	103-65-1	5.4	20	33	Not Detected
Styrene	100-42-5	3.3	17	28	Not Detected
Tetrachloroethene	127-18-4	8.0	27	45	Not Detected
Tetrahydrofuran	109-99-9	4.3	12	20	Not Detected
Toluene	108-88-3	6.1	15	25	190
trans-1,2-Dichloroethene	156-60-5	11	16	26	Not Detected
trans-1,3-Dichloropropene	10061-02-6	4.2	18	30	Not Detected
Trichloroethene	79-01-6	4.5	22	36	Not Detected
Vinyl Chloride	75-01-4	6.8	10	17	Not Detected

J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	103
4-Bromofluorobenzene	460-00-4	70-130	98
Toluene-d8	2037-26-5	70-130	100

EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	GVP2D_210812		
Lab ID:	2108292A-10A	**Date/Time Analyzed:**	8/23/21 11:11 PM
Date/Time Collected:	8/12/21 11:18 AM	**Dilution Factor:**	7.76
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd3.i / 3082323

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	2.6	10	21	Not Detected
1,1,2,2-Tetrachloroethane	79-34-5	2.1	16	27	Not Detected
1,1,2-Trichloroethane	79-00-5	2.9	13	21	Not Detected
1,1-Dichloroethane	75-34-3	2.0	7.8	16	Not Detected
1,1-Dichloroethene	75-35-4	3.2	9.2	15	Not Detected
1,2,4-Trichlorobenzene	120-82-1	13	72	120	Not Detected
1,2,4-Trimethylbenzene	95-63-6	7.0	11	19	Not Detected
1,2-Dibromoethane (EDB)	106-93-4	2.5	18	30	Not Detected
1,2-Dichlorobenzene	95-50-1	2.0	14	23	Not Detected
1,2-Dichloroethane	107-06-2	3.2	9.4	16	Not Detected
1,2-Dichloropropane	78-87-5	6.0	11	18	Not Detected
1,3,5-Trimethylbenzene	108-67-8	3.0	11	19	Not Detected
1,3-Butadiene	106-99-0	2.8	5.2	8.6	Not Detected
1,3-Dichlorobenzene	541-73-1	3.0	14	23	Not Detected
1,4-Dichlorobenzene	106-46-7	1.5	14	23	Not Detected
1,4-Dioxane	123-91-1	2.8	14	56	Not Detected
2,2,4-Trimethylpentane	540-84-1	1.4	11	18	820
2-Butanone (Methyl Ethyl Ketone)	78-93-3	8.1	29	46	10 J
2-Hexanone	591-78-6	5.4	40	64	Not Detected
2-Propanol	67-63-0	2.6	24	38	35 J
3-Chloropropene	107-05-1	4.9	12	48	Not Detected
4-Ethyltoluene	622-96-8	4.8	11	19	Not Detected
4-Methyl-2-pentanone	108-10-1	2.4	9.5	16	Not Detected
Acetone	67-64-1	6.6	23	92	76 J

EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	GVP2D_210812		
Lab ID:	2108292A-10A	**Date/Time Analyzed:**	8/23/21 11:11 PM
Date/Time Collected:	8/12/21 11:18 AM	**Dilution Factor:**	7.76
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd3.i / 3082323

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
alpha-Chlorotoluene	100-44-7	1.6	12	20	Not Detected
Benzene	71-43-2	0.93	7.4	12	54
Bromodichloromethane	75-27-4	5.0	13	26	Not Detected
Bromoform	75-25-2	3.5	24	40	Not Detected
Bromomethane	74-83-9	6.8	38	150	Not Detected
Carbon Disulfide	75-15-0	11	30	48	67
Carbon Tetrachloride	56-23-5	4.0	15	24	Not Detected
Chlorobenzene	108-90-7	1.6	8.9	18	Not Detected
Chloroethane	75-00-3	8.2	26	41	Not Detected
Chloroform	67-66-3	2.2	9.5	19	Not Detected
Chloromethane	74-87-3	8.5	20	80	Not Detected
cis-1,2-Dichloroethene	156-59-2	2.8	9.2	15	4.4 J
cis-1,3-Dichloropropene	10061-01-5	2.6	10	18	Not Detected
Cumene	98-82-8	2.4	11	19	Not Detected
Cyclohexane	110-82-7	2.9	8.0	13	310
Dibromochloromethane	124-48-1	4.6	20	33	Not Detected
Ethanol	64-17-5	7.9	18	73	51 J
Ethyl Benzene	100-41-4	2.8	10	17	4.7 J
Freon 11	75-69-4	2.5	13	22	5.3 J
Freon 113	76-13-1	4.7	18	30	4.8 J
Freon 114	76-14-2	3.7	16	27	Not Detected
Freon 12	75-71-8	3.5	12	19	Not Detected
Heptane	142-82-5	2.8	9.5	16	190
Hexachlorobutadiene	87-68-3	18	100	160	Not Detected

EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	GVP2D_210812		
Lab ID:	2108292A-10A	**Date/Time Analyzed:**	8/23/21 11:11 PM
Date/Time Collected:	8/12/21 11:18 AM	**Dilution Factor:**	7.76
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	msd3.i / 3082323

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Hexane	110-54-3	2.5	8.2	14	1700
m,p-Xylene	108-38-3	9.2	10	17	10 J
Methyl tert-butyl ether	1634-04-4	3.4	14	56	Not Detected
Methylene Chloride	75-09-2	7.6	34	130	15 J
o-Xylene	95-47-6	4.5	10	17	Not Detected
Propylbenzene	103-65-1	3.1	11	19	Not Detected
Styrene	100-42-5	1.9	9.9	16	Not Detected
Tetrachloroethene	127-18-4	4.6	16	26	180
Tetrahydrofuran	109-99-9	2.5	6.9	11	Not Detected
Toluene	108-88-3	3.5	8.8	15	46
trans-1,2-Dichloroethene	156-60-5	6.4	9.2	15	Not Detected
trans-1,3-Dichloropropene	10061-02-6	2.4	10	18	Not Detected
Trichloroethene	79-01-6	2.6	12	21	16 J
Vinyl Chloride	75-01-4	3.9	6.0	9.9	Not Detected

J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	102
4-Bromofluorobenzene	460-00-4	70-130	97
Toluene-d8	2037-26-5	70-130	99

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

eurofins | Air Toxics

Client ID:	Lab Blank		
Lab ID:	2108292A-11A	**Date/Time Analyzed:**	8/17/21 11:57 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd21.i / 21081707a

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.056	0.22	0.54	Not Detected
1,1,2,2-Tetrachloroethane	79-34-5	0.082	0.27	0.69	Not Detected
1,1,2-Trichloroethane	79-00-5	0.066	0.22	0.54	Not Detected
1,1-Dichloroethane	75-34-3	0.041	0.16	0.40	Not Detected
1,1-Dichloroethene	75-35-4	0.045	0.16	0.40	Not Detected
1,2,4-Trichlorobenzene	120-82-1	1.2	1.5	3.7	Not Detected UJ
1,2,4-Trimethylbenzene	95-63-6	0.090	0.20	0.49	Not Detected
1,2-Dibromoethane (EDB)	106-93-4	0.10	0.31	0.77	Not Detected
1,2-Dichlorobenzene	95-50-1	0.080	0.24	0.60	Not Detected
1,2-Dichloroethane	107-06-2	0.049	0.16	0.40	Not Detected
1,2-Dichloropropane	78-87-5	0.047	0.18	0.46	Not Detected
1,3,5-Trimethylbenzene	108-67-8	0.10	0.20	0.49	Not Detected
1,3-Butadiene	106-99-0	0.034	0.088	0.22	Not Detected
1,3-Dichlorobenzene	541-73-1	0.061	0.24	0.60	Not Detected
1,4-Dichlorobenzene	106-46-7	0.090	0.24	0.60	Not Detected
1,4-Dioxane	123-91-1	0.052	0.14	0.36	Not Detected
2,2,4-Trimethylpentane	540-84-1	0.15	0.93	2.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.11	0.59	1.5	Not Detected
2-Hexanone	591-78-6	0.11	0.82	2.0	Not Detected
2-Propanol	67-63-0	0.11	0.49	1.2	Not Detected
3-Chloropropene	107-05-1	0.49	0.63	1.6	Not Detected
4-Ethyltoluene	622-96-8	0.082	0.20	0.49	Not Detected
4-Methyl-2-pentanone	108-10-1	0.092	0.16	0.41	Not Detected
Acetone	67-64-1	0.39	0.48	2.4	Not Detected

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

eurofins | Air Toxics

Client ID:	Lab Blank		
Lab ID:	2108292A-11A	**Date/Time Analyzed:**	8/17/21 11:57 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd21.i / 21081707a

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
alpha-Chlorotoluene	100-44-7	0.084	0.21	0.52	Not Detected
Benzene	71-43-2	0.033	0.13	0.32	Not Detected
Bromodichloromethane	75-27-4	0.073	0.27	0.67	Not Detected
Bromoform	75-25-2	0.14	0.41	1.0	Not Detected
Bromomethane	74-83-9	0.23	0.78	3.9	Not Detected
Carbon Disulfide	75-15-0	0.28	0.62	1.6	0.34 J
Carbon Tetrachloride	56-23-5	0.066	0.25	0.63	Not Detected
Chlorobenzene	108-90-7	0.043	0.18	0.46	Not Detected
Chloroethane	75-00-3	0.10	0.53	1.3	Not Detected
Chloroform	67-66-3	0.046	0.20	0.49	Not Detected
Chloromethane	74-87-3	0.14	0.41	1.0	Not Detected
cis-1,2-Dichloroethene	156-59-2	0.037	0.16	0.40	Not Detected
cis-1,3-Dichloropropene	10061-01-5	0.045	0.18	0.45	Not Detected
Cumene	98-82-8	0.052	0.20	0.49	Not Detected
Cyclohexane	110-82-7	0.089	0.69	1.7	Not Detected
Dibromochloromethane	124-48-1	0.10	0.34	0.85	Not Detected
Ethanol	64-17-5	0.10	0.38	0.94	Not Detected
Ethyl Benzene	100-41-4	0.040	0.17	0.43	Not Detected
Freon 11	75-69-4	0.049	0.22	0.56	Not Detected
Freon 113	76-13-1	0.11	0.31	0.77	Not Detected
Freon 114	76-14-2	0.054	0.28	0.70	Not Detected
Freon 12	75-71-8	0.10	0.99	2.5	Not Detected
Heptane	142-82-5	0.13	0.82	2.0	Not Detected
Hexachlorobutadiene	87-68-3	0.99	2.1	5.3	Not Detected UJ

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

eurofins | Air Toxics

Client ID:	Lab Blank		
Lab ID:	2108292A-11A	**Date/Time Analyzed:**	8/17/21 11:57 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd21.i / 21081707a

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Hexane	110-54-3	0.10	0.70	1.8	Not Detected
m,p-Xylene	108-38-3	0.063	0.17	0.43	Not Detected
Methyl tert-butyl ether	1634-04-4	0.048	0.14	0.36	Not Detected
Methylene Chloride	75-09-2	0.56	1.4	0.69	Not Detected
o-Xylene	95-47-6	0.055	0.17	0.43	Not Detected
Propylbenzene	103-65-1	0.074	0.20	0.49	Not Detected
Styrene	100-42-5	0.043	0.17	0.42	Not Detected
Tetrachloroethene	127-18-4	0.10	0.27	0.68	Not Detected
Tetrahydrofuran	109-99-9	0.14	0.59	1.5	Not Detected
Toluene	108-88-3	0.026	0.15	0.38	Not Detected
trans-1,2-Dichloroethene	156-60-5	0.039	0.16	0.40	Not Detected
trans-1,3-Dichloropropene	10061-02-6	0.048	0.18	0.45	Not Detected
Trichloroethene	79-01-6	0.084	0.21	0.54	Not Detected
Vinyl Chloride	75-01-4	0.030	0.10	0.26	Not Detected

J = Estimated value.
UJ = Analyte associated with low bias in the CCV.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	122
4-Bromofluorobenzene	460-00-4	70-130	90
Toluene-d8	2037-26-5	70-130	102

EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

eurofins | Air Toxics

Client ID:	Lab Blank		
Lab ID:	2108292A-11B	**Date/Time Analyzed:**	8/23/21 12:13 PM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd3.i / 3082306f

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.33	1.4	2.7	Not Detected
1,1,2,2-Tetrachloroethane	79-34-5	0.27	2.0	3.4	Not Detected
1,1,2-Trichloroethane	79-00-5	0.37	1.6	2.7	Not Detected
1,1-Dichloroethane	75-34-3	0.26	1.0	2.0	Not Detected
1,1-Dichloroethene	75-35-4	0.41	1.2	2.0	Not Detected
1,2,4-Trichlorobenzene	120-82-1	1.7	9.3	15	Not Detected
1,2,4-Trimethylbenzene	95-63-6	0.91	1.5	2.4	Not Detected
1,2-Dibromoethane (EDB)	106-93-4	0.32	2.3	3.8	Not Detected
1,2-Dichlorobenzene	95-50-1	0.26	1.8	3.0	Not Detected
1,2-Dichloroethane	107-06-2	0.41	1.2	2.0	Not Detected
1,2-Dichloropropane	78-87-5	0.78	1.4	2.3	Not Detected
1,3,5-Trimethylbenzene	108-67-8	0.38	1.5	2.4	Not Detected
1,3-Butadiene	106-99-0	0.36	0.66	1.1	Not Detected
1,3-Dichlorobenzene	541-73-1	0.38	1.8	3.0	Not Detected
1,4-Dichlorobenzene	106-46-7	0.19	1.8	3.0	Not Detected
1,4-Dioxane	123-91-1	0.36	1.8	7.2	Not Detected
2,2,4-Trimethylpentane	540-84-1	0.18	1.4	2.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	78-93-3	1.0	3.7	5.9	Not Detected
2-Hexanone	591-78-6	0.70	5.1	8.2	Not Detected
2-Propanol	67-63-0	0.33	3.1	4.9	0.78 J
3-Chloropropene	107-05-1	0.64	1.6	6.3	Not Detected
4-Ethyltoluene	622-96-8	0.62	1.5	2.4	Not Detected
4-Methyl-2-pentanone	108-10-1	0.31	1.2	2.0	Not Detected
Acetone	67-64-1	0.85	3.0	12	1.2 J

EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	Lab Blank		
Lab ID:	2108292A-11B	**Date/Time Analyzed:**	8/23/21 12:13 PM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd3.i / 3082306f

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
alpha-Chlorotoluene	100-44-7	0.21	1.6	2.6	Not Detected
Benzene	71-43-2	0.12	0.96	1.6	Not Detected
Bromodichloromethane	75-27-4	0.64	1.7	3.4	Not Detected
Bromoform	75-25-2	0.44	3.1	5.2	Not Detected
Bromomethane	74-83-9	0.87	4.8	19	Not Detected
Carbon Disulfide	75-15-0	1.5	3.9	6.2	Not Detected
Carbon Tetrachloride	56-23-5	0.51	1.9	3.1	Not Detected
Chlorobenzene	108-90-7	0.20	1.2	2.3	Not Detected
Chloroethane	75-00-3	1.1	3.3	5.3	Not Detected
Chloroform	67-66-3	0.29	1.2	2.4	Not Detected
Chloromethane	74-87-3	1.1	2.6	10	Not Detected
cis-1,2-Dichloroethene	156-59-2	0.36	1.2	2.0	Not Detected
cis-1,3-Dichloropropene	10061-01-5	0.33	1.4	2.3	Not Detected
Cumene	98-82-8	0.31	1.5	2.4	Not Detected
Cyclohexane	110-82-7	0.37	1.0	1.7	Not Detected
Dibromochloromethane	124-48-1	0.59	2.6	4.2	Not Detected
Ethanol	64-17-5	1.0	2.4	9.4	Not Detected
Ethyl Benzene	100-41-4	0.36	1.3	2.2	Not Detected
Freon 11	75-69-4	0.32	1.7	2.8	Not Detected
Freon 113	76-13-1	0.60	2.3	3.8	Not Detected
Freon 114	76-14-2	0.48	2.1	3.5	Not Detected
Freon 12	75-71-8	0.45	1.5	2.5	Not Detected
Heptane	142-82-5	0.37	1.2	2.0	Not Detected
Hexachlorobutadiene	87-68-3	2.4	13	21	Not Detected

EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	Lab Blank		
Lab ID:	2108292A-11B	**Date/Time Analyzed:**	8/23/21 12:13 PM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd3.i / 3082306f

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Hexane	110-54-3	0.33	1.0	1.8	Not Detected
m,p-Xylene	108-38-3	1.2	1.3	2.2	Not Detected
Methyl tert-butyl ether	1634-04-4	0.44	1.8	7.2	Not Detected
Methylene Chloride	75-09-2	0.99	4.3	17	Not Detected
o-Xylene	95-47-6	0.58	1.3	2.2	Not Detected
Propylbenzene	103-65-1	0.40	1.5	2.4	Not Detected
Styrene	100-42-5	0.25	1.3	2.1	Not Detected
Tetrachloroethene	127-18-4	0.60	2.0	3.4	Not Detected
Tetrahydrofuran	109-99-9	0.32	0.88	1.5	Not Detected
Toluene	108-88-3	0.46	1.1	1.9	Not Detected
trans-1,2-Dichloroethene	156-60-5	0.82	1.2	2.0	Not Detected
trans-1,3-Dichloropropene	10061-02-6	0.31	1.4	2.3	Not Detected
Trichloroethene	79-01-6	0.34	1.6	2.7	Not Detected
Vinyl Chloride	75-01-4	0.50	0.77	1.3	Not Detected

J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	101
4-Bromofluorobenzene	460-00-4	70-130	98
Toluene-d8	2037-26-5	70-130	99

EPA METHOD TO-15 GC/MS
1766 ElCamino Real

Client ID:	Lab Blank		
Lab ID:	2108292A-11C	**Date/Time Analyzed:**	8/20/21 09:53 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd14.i / 14082006f

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	2.1	22	27	Not Detected
1,1,2,2-Tetrachloroethane	79-34-5	4.9	27	34	Not Detected
1,1,2-Trichloroethane	79-00-5	5.4	22	27	Not Detected
1,1-Dichloroethane	75-34-3	3.4	16	20	Not Detected
1,1-Dichloroethene	75-35-4	4.0	16	20	Not Detected
1,2,4-Trichlorobenzene	120-82-1	88	110	150	Not Detected
1,2,4-Trimethylbenzene	95-63-6	3.0	20	24	Not Detected
1,2-Dibromoethane (EDB)	106-93-4	7.6	31	38	Not Detected
1,2-Dichlorobenzene	95-50-1	6.7	24	30	Not Detected
1,2-Dichloroethane	107-06-2	3.6	16	20	Not Detected
1,2-Dichloropropane	78-87-5	7.2	18	23	Not Detected
1,3,5-Trimethylbenzene	108-67-8	2.6	20	24	Not Detected
1,3-Butadiene	106-99-0	5.2	8.8	11	Not Detected
1,3-Dichlorobenzene	541-73-1	5.3	24	30	Not Detected
1,4-Dichlorobenzene	106-46-7	5.6	24	30	Not Detected
1,4-Dioxane	123-91-1	8.6	14	72	Not Detected
2,2,4-Trimethylpentane	540-84-1	3.5	19	23	Not Detected
2-Butanone (Methyl Ethyl Ketone)	78-93-3	15	44	59	Not Detected
2-Hexanone	591-78-6	18	61	82	Not Detected
2-Propanol	67-63-0	7.9	37	49	Not Detected
3-Chloropropene	107-05-1	7.8	47	63	Not Detected
4-Ethyltoluene	622-96-8	2.4	20	24	Not Detected
4-Methyl-2-pentanone	108-10-1	11	18	20	Not Detected
Acetone	67-64-1	8.1	36	48	Not Detected

EPA METHOD TO-15 GC/MS
1766 ElCamino Real

Client ID:	Lab Blank		
Lab ID:	2108292A-11C	**Date/Time Analyzed:**	8/20/21 09:53 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd14.i / 14082006f

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
alpha-Chlorotoluene	100-44-7	3.7	21	26	Not Detected
Benzene	71-43-2	1.3	13	16	Not Detected
Bromodichloromethane	75-27-4	6.1	27	34	Not Detected
Bromoform	75-25-2	6.0	41	52	Not Detected
Bromomethane	74-83-9	12	58	78	Not Detected
Carbon Disulfide	75-15-0	5.2	47	62	Not Detected
Carbon Tetrachloride	56-23-5	4.8	25	31	Not Detected
Chlorobenzene	108-90-7	2.3	18	23	Not Detected
Chloroethane	75-00-3	7.9	40	53	Not Detected
Chloroform	67-66-3	5.2	20	24	Not Detected
Chloromethane	74-87-3	16	31	41	Not Detected
cis-1,2-Dichloroethene	156-59-2	5.1	16	20	Not Detected
cis-1,3-Dichloropropene	10061-01-5	3.4	18	23	Not Detected
Cumene	98-82-8	2.8	20	24	Not Detected
Cyclohexane	110-82-7	6.7	14	17	Not Detected
Dibromochloromethane	124-48-1	6.3	34	42	Not Detected
Ethanol	64-17-5	15	28	38	15 J
Ethyl Benzene	100-41-4	3.2	17	22	Not Detected
Freon 11	75-69-4	3.8	22	28	Not Detected
Freon 113	76-13-1	8.6	31	38	Not Detected
Freon 114	76-14-2	8.9	28	35	Not Detected
Freon 12	75-71-8	6.9	20	25	Not Detected
Heptane	142-82-5	5.4	16	20	Not Detected
Hexachlorobutadiene	87-68-3	99	160	210	Not Detected

EPA METHOD TO-15 GC/MS
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Client ID:	Lab Blank		
Lab ID:	2108292A-11C	**Date/Time Analyzed:**	8/20/21 09:53 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd14.i / 14082006f

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Hexane	110-54-3	3.4	14	18	Not Detected
m,p-Xylene	108-38-3	4.0	17	22	Not Detected
Methyl tert-butyl ether	1634-04-4	6.4	14	18	Not Detected
Methylene Chloride	75-09-2	12	52	69	Not Detected
o-Xylene	95-47-6	2.8	17	22	Not Detected
Propylbenzene	103-65-1	3.1	20	24	Not Detected
Styrene	100-42-5	3.7	17	21	Not Detected
Tetrachloroethene	127-18-4	7.0	27	34	Not Detected
Tetrahydrofuran	109-99-9	7.1	12	15	Not Detected
Toluene	108-88-3	2.4	15	19	Not Detected
trans-1,2-Dichloroethene	156-60-5	4.3	16	20	Not Detected
trans-1,3-Dichloropropene	10061-02-6	9.7	18	23	Not Detected
Trichloroethene	79-01-6	5.8	21	27	Not Detected
Vinyl Chloride	75-01-4	6.0	10	13	Not Detected

J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	82
4-Bromofluorobenzene	460-00-4	70-130	98
Toluene-d8	2037-26-5	70-130	101

Client ID:	CCV		
Lab ID:	2108292A-12A	**Date/Time Analyzed:**	8/17/21 07:51 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd21.i / 21081702

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	100
1,1,2,2-Tetrachloroethane	79-34-5	98
1,1,2-Trichloroethane	79-00-5	105
1,1-Dichloroethane	75-34-3	103
1,1-Dichloroethene	75-35-4	99
1,2,4-Trichlorobenzene	120-82-1	67 Q
1,2,4-Trimethylbenzene	95-63-6	86
1,2-Dibromoethane (EDB)	106-93-4	101
1,2-Dichlorobenzene	95-50-1	81
1,2-Dichloroethane	107-06-2	116
1,2-Dichloropropane	78-87-5	110
1,3,5-Trimethylbenzene	108-67-8	88
1,3-Butadiene	106-99-0	90
1,3-Dichlorobenzene	541-73-1	89
1,4-Dichlorobenzene	106-46-7	84
1,4-Dioxane	123-91-1	106
2,2,4-Trimethylpentane	540-84-1	99
2-Butanone (Methyl Ethyl Ketone)	78-93-3	107
2-Hexanone	591-78-6	95
2-Propanol	67-63-0	84
3-Chloropropene	107-05-1	110
4-Ethyltoluene	622-96-8	84
4-Methyl-2-pentanone	108-10-1	99
Acetone	67-64-1	93

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	CCV		
Lab ID:	2108292A-12A	**Date/Time Analyzed:**	8/17/21 07:51 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd21.i / 21081702

Compound	CAS#	%Recovery
alpha-Chlorotoluene	100-44-7	102
Benzene	71-43-2	114
Bromodichloromethane	75-27-4	108
Bromoform	75-25-2	87
Bromomethane	74-83-9	110
Carbon Disulfide	75-15-0	104
Carbon Tetrachloride	56-23-5	104
Chlorobenzene	108-90-7	103
Chloroethane	75-00-3	98
Chloroform	67-66-3	102
Chloromethane	74-87-3	88
cis-1,2-Dichloroethene	156-59-2	100
cis-1,3-Dichloropropene	10061-01-5	108
Cumene	98-82-8	94
Cyclohexane	110-82-7	96
Dibromochloromethane	124-48-1	101
Ethanol	64-17-5	82
Ethyl Benzene	100-41-4	104
Freon 11	75-69-4	107
Freon 113	76-13-1	94
Freon 114	76-14-2	96
Freon 12	75-71-8	96
Heptane	142-82-5	110
Hexachlorobutadiene	87-68-3	60 Q

Client ID:	CCV		
Lab ID:	2108292A-12A	**Date/Time Analyzed:**	8/17/21 07:51 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd21.i / 21081702

Compound	CAS#	%Recovery
Hexane	110-54-3	96
m,p-Xylene	108-38-3	98
Methyl tert-butyl ether	1634-04-4	94
Methylene Chloride	75-09-2	92
o-Xylene	95-47-6	94
Propylbenzene	103-65-1	90
Styrene	100-42-5	98
Tetrachloroethene	127-18-4	96
Tetrahydrofuran	109-99-9	91
Toluene	108-88-3	109
trans-1,2-Dichloroethene	156-60-5	98
trans-1,3-Dichloropropene	10061-02-6	105
Trichloroethene	79-01-6	108
Vinyl Chloride	75-01-4	95

Q = Exceeds Quality Control limits.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	104
4-Bromofluorobenzene	460-00-4	70-130	95
Toluene-d8	2037-26-5	70-130	109

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Client ID:	CCV		
Lab ID:	2108292A-12B	**Date/Time Analyzed:**	8/23/21 09:47 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd3.i / 3082302

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	96
1,1,2,2-Tetrachloroethane	79-34-5	96
1,1,2-Trichloroethane	79-00-5	97
1,1-Dichloroethane	75-34-3	97
1,1-Dichloroethene	75-35-4	92
1,2,4-Trichlorobenzene	120-82-1	83
1,2,4-Trimethylbenzene	95-63-6	98
1,2-Dibromoethane (EDB)	106-93-4	96
1,2-Dichlorobenzene	95-50-1	96
1,2-Dichloroethane	107-06-2	97
1,2-Dichloropropane	78-87-5	96
1,3,5-Trimethylbenzene	108-67-8	98
1,3-Butadiene	106-99-0	81
1,3-Dichlorobenzene	541-73-1	97
1,4-Dichlorobenzene	106-46-7	97
1,4-Dioxane	123-91-1	96
2,2,4-Trimethylpentane	540-84-1	100
2-Butanone (Methyl Ethyl Ketone)	78-93-3	102
2-Hexanone	591-78-6	98
2-Propanol	67-63-0	101
3-Chloropropene	107-05-1	94
4-Ethyltoluene	622-96-8	97
4-Methyl-2-pentanone	108-10-1	95
Acetone	67-64-1	100

Client ID:	CCV		
Lab ID:	2108292A-12B	**Date/Time Analyzed:**	8/23/21 09:47 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd3.i / 3082302

Compound	CAS#	%Recovery
alpha-Chlorotoluene	100-44-7	97
Benzene	71-43-2	96
Bromodichloromethane	75-27-4	96
Bromoform	75-25-2	98
Bromomethane	74-83-9	95
Carbon Disulfide	75-15-0	101
Carbon Tetrachloride	56-23-5	100
Chlorobenzene	108-90-7	97
Chloroethane	75-00-3	100
Chloroform	67-66-3	96
Chloromethane	74-87-3	98
cis-1,2-Dichloroethene	156-59-2	97
cis-1,3-Dichloropropene	10061-01-5	96
Cumene	98-82-8	100
Cyclohexane	110-82-7	95
Dibromochloromethane	124-48-1	100
Ethanol	64-17-5	90
Ethyl Benzene	100-41-4	99
Freon 11	75-69-4	95
Freon 113	76-13-1	94
Freon 114	76-14-2	97
Freon 12	75-71-8	98
Heptane	142-82-5	101
Hexachlorobutadiene	87-68-3	85

Client ID:	CCV		
Lab ID:	2108292A-12B	**Date/Time Analyzed:**	8/23/21 09:47 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd3.i / 3082302

Compound	CAS#	%Recovery
Hexane	110-54-3	99
m,p-Xylene	108-38-3	98
Methyl tert-butyl ether	1634-04-4	97
Methylene Chloride	75-09-2	102
o-Xylene	95-47-6	99
Propylbenzene	103-65-1	97
Styrene	100-42-5	98
Tetrachloroethene	127-18-4	97
Tetrahydrofuran	109-99-9	95
Toluene	108-88-3	98
trans-1,2-Dichloroethene	156-60-5	98
trans-1,3-Dichloropropene	10061-02-6	97
Trichloroethene	79-01-6	96
Vinyl Chloride	75-01-4	90

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	99
4-Bromofluorobenzene	460-00-4	70-130	99
Toluene-d8	2037-26-5	70-130	101

EPA METHOD TO-15 GC/MS
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Client ID:	CCV		
Lab ID:	2108292A-12C	**Date/Time Analyzed:**	8/20/21 08:02 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd14.i / 14082002

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	89
1,1,2,2-Tetrachloroethane	79-34-5	99
1,1,2-Trichloroethane	79-00-5	98
1,1-Dichloroethane	75-34-3	92
1,1-Dichloroethene	75-35-4	92
1,2,4-Trichlorobenzene	120-82-1	74
1,2,4-Trimethylbenzene	95-63-6	98
1,2-Dibromoethane (EDB)	106-93-4	101
1,2-Dichlorobenzene	95-50-1	99
1,2-Dichloroethane	107-06-2	91
1,2-Dichloropropane	78-87-5	94
1,3,5-Trimethylbenzene	108-67-8	98
1,3-Butadiene	106-99-0	97
1,3-Dichlorobenzene	541-73-1	104
1,4-Dichlorobenzene	106-46-7	101
1,4-Dioxane	123-91-1	97
2,2,4-Trimethylpentane	540-84-1	94
2-Butanone (Methyl Ethyl Ketone)	78-93-3	94
2-Hexanone	591-78-6	98
2-Propanol	67-63-0	90
3-Chloropropene	107-05-1	90
4-Ethyltoluene	622-96-8	104
4-Methyl-2-pentanone	108-10-1	80
Acetone	67-64-1	94

EPA METHOD TO-15 GC/MS
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Client ID:	CCV		
Lab ID:	2108292A-12C	**Date/Time Analyzed:**	8/20/21 08:02 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd14.i / 14082002

Compound	CAS#	%Recovery
alpha-Chlorotoluene	100-44-7	88
Benzene	71-43-2	99
Bromodichloromethane	75-27-4	91
Bromoform	75-25-2	98
Bromomethane	74-83-9	108
Carbon Disulfide	75-15-0	96
Carbon Tetrachloride	56-23-5	96
Chlorobenzene	108-90-7	105
Chloroethane	75-00-3	102
Chloroform	67-66-3	90
Chloromethane	74-87-3	107
cis-1,2-Dichloroethene	156-59-2	93
cis-1,3-Dichloropropene	10061-01-5	93
Cumene	98-82-8	96
Cyclohexane	110-82-7	88
Dibromochloromethane	124-48-1	104
Ethanol	64-17-5	102
Ethyl Benzene	100-41-4	98
Freon 11	75-69-4	92
Freon 113	76-13-1	103
Freon 114	76-14-2	101
Freon 12	75-71-8	87
Heptane	142-82-5	92
Hexachlorobutadiene	87-68-3	77

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Client ID:	CCV		
Lab ID:	2108292A-12C	**Date/Time Analyzed:**	8/20/21 08:02 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd14.i / 14082002

Compound	CAS#	%Recovery
Hexane	110-54-3	94
m,p-Xylene	108-38-3	100
Methyl tert-butyl ether	1634-04-4	80
Methylene Chloride	75-09-2	99
o-Xylene	95-47-6	96
Propylbenzene	103-65-1	101
Styrene	100-42-5	100
Tetrachloroethene	127-18-4	106
Tetrahydrofuran	109-99-9	94
Toluene	108-88-3	96
trans-1,2-Dichloroethene	156-60-5	92
trans-1,3-Dichloropropene	10061-02-6	93
Trichloroethene	79-01-6	97
Vinyl Chloride	75-01-4	102

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	84
4-Bromofluorobenzene	460-00-4	70-130	103
Toluene-d8	2037-26-5	70-130	99

Client ID:	LCS		
Lab ID:	2108292A-13A	**Date/Time Analyzed:**	8/17/21 08:51 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd21.i / 21081703

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	107
1,1,2,2-Tetrachloroethane	79-34-5	100
1,1,2-Trichloroethane	79-00-5	105
1,1-Dichloroethane	75-34-3	110
1,1-Dichloroethene	75-35-4	108
1,2,4-Trichlorobenzene	120-82-1	75
1,2,4-Trimethylbenzene	95-63-6	90
1,2-Dibromoethane (EDB)	106-93-4	100
1,2-Dichlorobenzene	95-50-1	80
1,2-Dichloroethane	107-06-2	117
1,2-Dichloropropane	78-87-5	111
1,3,5-Trimethylbenzene	108-67-8	86
1,3-Butadiene	106-99-0	102
1,3-Dichlorobenzene	541-73-1	84
1,4-Dichlorobenzene	106-46-7	81
1,4-Dioxane	123-91-1	110
2,2,4-Trimethylpentane	540-84-1	106
2-Butanone (Methyl Ethyl Ketone)	78-93-3	115
2-Hexanone	591-78-6	101
2-Propanol	67-63-0	98
3-Chloropropene	107-05-1	113
4-Ethyltoluene	622-96-8	82
4-Methyl-2-pentanone	108-10-1	105
Acetone	67-64-1	102

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCS		
Lab ID:	2108292A-13A	**Date/Time Analyzed:**	8/17/21 08:51 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd21.i / 21081703

Compound	CAS#	%Recovery
alpha-Chlorotoluene	100-44-7	106
Benzene	71-43-2	115
Bromodichloromethane	75-27-4	109
Bromoform	75-25-2	101
Bromomethane	74-83-9	117
Carbon Disulfide	75-15-0	111
Carbon Tetrachloride	56-23-5	109
Chlorobenzene	108-90-7	102
Chloroethane	75-00-3	107
Chloroform	67-66-3	109
Chloromethane	74-87-3	96
cis-1,2-Dichloroethene	156-59-2	107
cis-1,3-Dichloropropene	10061-01-5	112
Cumene	98-82-8	91
Cyclohexane	110-82-7	104
Dibromochloromethane	124-48-1	103
Ethanol	64-17-5	80
Ethyl Benzene	100-41-4	104
Freon 11	75-69-4	114
Freon 113	76-13-1	102
Freon 114	76-14-2	101
Freon 12	75-71-8	106
Heptane	142-82-5	111
Hexachlorobutadiene	87-68-3	69 Q

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCS		
Lab ID:	2108292A-13A	**Date/Time Analyzed:**	8/17/21 08:51 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd21.i / 21081703

Compound	CAS#	%Recovery
Hexane	110-54-3	106
m,p-Xylene	108-38-3	100
Methyl tert-butyl ether	1634-04-4	104
Methylene Chloride	75-09-2	97
o-Xylene	95-47-6	94
Propylbenzene	103-65-1	90
Styrene	100-42-5	98
Tetrachloroethene	127-18-4	88
Tetrahydrofuran	109-99-9	101
Toluene	108-88-3	107
trans-1,2-Dichloroethene	156-60-5	104
trans-1,3-Dichloropropene	10061-02-6	110
Trichloroethene	79-01-6	107
Vinyl Chloride	75-01-4	105

Q = Exceeds Quality Control limits.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	110
4-Bromofluorobenzene	460-00-4	70-130	90
Toluene-d8	2037-26-5	70-130	110

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCSD		
Lab ID:	2108292A-13AA	**Date/Time Analyzed:**	8/17/21 09:31 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd21.i / 21081704

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	103
1,1,2,2-Tetrachloroethane	79-34-5	101
1,1,2-Trichloroethane	79-00-5	105
1,1-Dichloroethane	75-34-3	106
1,1-Dichloroethene	75-35-4	102
1,2,4-Trichlorobenzene	120-82-1	80
1,2,4-Trimethylbenzene	95-63-6	90
1,2-Dibromoethane (EDB)	106-93-4	102
1,2-Dichlorobenzene	95-50-1	85
1,2-Dichloroethane	107-06-2	112
1,2-Dichloropropane	78-87-5	108
1,3,5-Trimethylbenzene	108-67-8	90
1,3-Butadiene	106-99-0	99
1,3-Dichlorobenzene	541-73-1	87
1,4-Dichlorobenzene	106-46-7	89
1,4-Dioxane	123-91-1	107
2,2,4-Trimethylpentane	540-84-1	104
2-Butanone (Methyl Ethyl Ketone)	78-93-3	111
2-Hexanone	591-78-6	105
2-Propanol	67-63-0	97
3-Chloropropene	107-05-1	112
4-Ethyltoluene	622-96-8	92
4-Methyl-2-pentanone	108-10-1	101
Acetone	67-64-1	100

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCSD		
Lab ID:	2108292A-13AA	**Date/Time Analyzed:**	8/17/21 09:31 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd21.i / 21081704

Compound	CAS#	%Recovery
alpha-Chlorotoluene	100-44-7	113
Benzene	71-43-2	110
Bromodichloromethane	75-27-4	113
Bromoform	75-25-2	101
Bromomethane	74-83-9	117
Carbon Disulfide	75-15-0	108
Carbon Tetrachloride	56-23-5	105
Chlorobenzene	108-90-7	105
Chloroethane	75-00-3	103
Chloroform	67-66-3	104
Chloromethane	74-87-3	95
cis-1,2-Dichloroethene	156-59-2	102
cis-1,3-Dichloropropene	10061-01-5	106
Cumene	98-82-8	100
Cyclohexane	110-82-7	101
Dibromochloromethane	124-48-1	99
Ethanol	64-17-5	80
Ethyl Benzene	100-41-4	108
Freon 11	75-69-4	111
Freon 113	76-13-1	101
Freon 114	76-14-2	98
Freon 12	75-71-8	103
Heptane	142-82-5	109
Hexachlorobutadiene	87-68-3	83

* % Recovery is calculated using unrounded analytical results.

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Client ID:	LCSD		
Lab ID:	2108292A-13AA	**Date/Time Analyzed:**	8/17/21 09:31 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd21.i / 21081704

Compound	CAS#	%Recovery
Hexane	110-54-3	103
m,p-Xylene	108-38-3	102
Methyl tert-butyl ether	1634-04-4	101
Methylene Chloride	75-09-2	94
o-Xylene	95-47-6	100
Propylbenzene	103-65-1	98
Styrene	100-42-5	102
Tetrachloroethene	127-18-4	86
Tetrahydrofuran	109-99-9	100
Toluene	108-88-3	103
trans-1,2-Dichloroethene	156-60-5	102
trans-1,3-Dichloropropene	10061-02-6	111
Trichloroethene	79-01-6	103
Vinyl Chloride	75-01-4	103

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	108
4-Bromofluorobenzene	460-00-4	70-130	101
Toluene-d8	2037-26-5	70-130	104

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCS		
Lab ID:	2108292A-13B	**Date/Time Analyzed:**	8/23/21 10:15 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd3.i / 3082303

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	95
1,1,2,2-Tetrachloroethane	79-34-5	97
1,1,2-Trichloroethane	79-00-5	96
1,1-Dichloroethane	75-34-3	94
1,1-Dichloroethene	75-35-4	95
1,2,4-Trichlorobenzene	120-82-1	97
1,2,4-Trimethylbenzene	95-63-6	100
1,2-Dibromoethane (EDB)	106-93-4	97
1,2-Dichlorobenzene	95-50-1	96
1,2-Dichloroethane	107-06-2	96
1,2-Dichloropropane	78-87-5	97
1,3,5-Trimethylbenzene	108-67-8	95
1,3-Butadiene	106-99-0	82
1,3-Dichlorobenzene	541-73-1	97
1,4-Dichlorobenzene	106-46-7	97
1,4-Dioxane	123-91-1	86
2,2,4-Trimethylpentane	540-84-1	99
2-Butanone (Methyl Ethyl Ketone)	78-93-3	95
2-Hexanone	591-78-6	83
2-Propanol	67-63-0	102
3-Chloropropene	107-05-1	93
4-Ethyltoluene	622-96-8	102
4-Methyl-2-pentanone	108-10-1	88
Acetone	67-64-1	97

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
1766 ElCamino Real

Client ID:	LCS		
Lab ID:	2108292A-13B	**Date/Time Analyzed:**	8/23/21 10:15 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd3.i / 3082303

Compound	CAS#	%Recovery
alpha-Chlorotoluene	100-44-7	94
Benzene	71-43-2	96
Bromodichloromethane	75-27-4	96
Bromoform	75-25-2	99
Bromomethane	74-83-9	93
Carbon Disulfide	75-15-0	100
Carbon Tetrachloride	56-23-5	100
Chlorobenzene	108-90-7	96
Chloroethane	75-00-3	99
Chloroform	67-66-3	95
Chloromethane	74-87-3	96
cis-1,2-Dichloroethene	156-59-2	97
cis-1,3-Dichloropropene	10061-01-5	97
Cumene	98-82-8	98
Cyclohexane	110-82-7	95
Dibromochloromethane	124-48-1	99
Ethanol	64-17-5	77
Ethyl Benzene	100-41-4	99
Freon 11	75-69-4	94
Freon 113	76-13-1	94
Freon 114	76-14-2	95
Freon 12	75-71-8	96
Heptane	142-82-5	102
Hexachlorobutadiene	87-68-3	101

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCS		
Lab ID:	2108292A-13B	**Date/Time Analyzed:**	8/23/21 10:15 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd3.i / 3082303

Compound	CAS#	%Recovery
Hexane	110-54-3	99
m,p-Xylene	108-38-3	101
Methyl tert-butyl ether	1634-04-4	98
Methylene Chloride	75-09-2	98
o-Xylene	95-47-6	99
Propylbenzene	103-65-1	97
Styrene	100-42-5	97
Tetrachloroethene	127-18-4	97
Tetrahydrofuran	109-99-9	95
Toluene	108-88-3	96
trans-1,2-Dichloroethene	156-60-5	96
trans-1,3-Dichloropropene	10061-02-6	97
Trichloroethene	79-01-6	97
Vinyl Chloride	75-01-4	88

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	98
4-Bromofluorobenzene	460-00-4	70-130	101
Toluene-d8	2037-26-5	70-130	102

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCSD		
Lab ID:	2108292A-13BB	**Date/Time Analyzed:**	8/23/21 10:43 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd3.i / 3082304

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	94
1,1,2,2-Tetrachloroethane	79-34-5	96
1,1,2-Trichloroethane	79-00-5	96
1,1-Dichloroethane	75-34-3	93
1,1-Dichloroethene	75-35-4	94
1,2,4-Trichlorobenzene	120-82-1	104
1,2,4-Trimethylbenzene	95-63-6	100
1,2-Dibromoethane (EDB)	106-93-4	96
1,2-Dichlorobenzene	95-50-1	96
1,2-Dichloroethane	107-06-2	95
1,2-Dichloropropane	78-87-5	95
1,3,5-Trimethylbenzene	108-67-8	97
1,3-Butadiene	106-99-0	81
1,3-Dichlorobenzene	541-73-1	98
1,4-Dichlorobenzene	106-46-7	98
1,4-Dioxane	123-91-1	86
2,2,4-Trimethylpentane	540-84-1	98
2-Butanone (Methyl Ethyl Ketone)	78-93-3	94
2-Hexanone	591-78-6	82
2-Propanol	67-63-0	101
3-Chloropropene	107-05-1	93
4-Ethyltoluene	622-96-8	98
4-Methyl-2-pentanone	108-10-1	88
Acetone	67-64-1	94

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCSD		
Lab ID:	2108292A-13BB	**Date/Time Analyzed:**	8/23/21 10:43 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd3.i / 3082304

Compound	CAS#	%Recovery
alpha-Chlorotoluene	100-44-7	95
Benzene	71-43-2	95
Bromodichloromethane	75-27-4	94
Bromoform	75-25-2	100
Bromomethane	74-83-9	89
Carbon Disulfide	75-15-0	99
Carbon Tetrachloride	56-23-5	100
Chlorobenzene	108-90-7	97
Chloroethane	75-00-3	98
Chloroform	67-66-3	94
Chloromethane	74-87-3	94
cis-1,2-Dichloroethene	156-59-2	95
cis-1,3-Dichloropropene	10061-01-5	97
Cumene	98-82-8	97
Cyclohexane	110-82-7	94
Dibromochloromethane	124-48-1	100
Ethanol	64-17-5	75
Ethyl Benzene	100-41-4	99
Freon 11	75-69-4	94
Freon 113	76-13-1	93
Freon 114	76-14-2	94
Freon 12	75-71-8	95
Heptane	142-82-5	92
Hexachlorobutadiene	87-68-3	109

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCSD		
Lab ID:	2108292A-13BB	**Date/Time Analyzed:**	8/23/21 10:43 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd3.i / 3082304

Compound	CAS#	%Recovery
Hexane	110-54-3	98
m,p-Xylene	108-38-3	100
Methyl tert-butyl ether	1634-04-4	97
Methylene Chloride	75-09-2	98
o-Xylene	95-47-6	99
Propylbenzene	103-65-1	97
Styrene	100-42-5	97
Tetrachloroethene	127-18-4	97
Tetrahydrofuran	109-99-9	94
Toluene	108-88-3	95
trans-1,2-Dichloroethene	156-60-5	95
trans-1,3-Dichloropropene	10061-02-6	96
Trichloroethene	79-01-6	95
Vinyl Chloride	75-01-4	84

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	98
4-Bromofluorobenzene	460-00-4	70-130	101
Toluene-d8	2037-26-5	70-130	99

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS
1766 ElCamino Real

Client ID:	LCS		
Lab ID:	2108292A-13C	**Date/Time Analyzed:**	8/20/21 08:28 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd14.i / 14082003

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	87
1,1,2,2-Tetrachloroethane	79-34-5	92
1,1,2-Trichloroethane	79-00-5	94
1,1-Dichloroethane	75-34-3	88
1,1-Dichloroethene	75-35-4	90
1,2,4-Trichlorobenzene	120-82-1	86
1,2,4-Trimethylbenzene	95-63-6	98
1,2-Dibromoethane (EDB)	106-93-4	97
1,2-Dichlorobenzene	95-50-1	97
1,2-Dichloroethane	107-06-2	91
1,2-Dichloropropane	78-87-5	96
1,3,5-Trimethylbenzene	108-67-8	95
1,3-Butadiene	106-99-0	91
1,3-Dichlorobenzene	541-73-1	102
1,4-Dichlorobenzene	106-46-7	99
1,4-Dioxane	123-91-1	94
2,2,4-Trimethylpentane	540-84-1	90
2-Butanone (Methyl Ethyl Ketone)	78-93-3	88
2-Hexanone	591-78-6	94
2-Propanol	67-63-0	88
3-Chloropropene	107-05-1	88
4-Ethyltoluene	622-96-8	103
4-Methyl-2-pentanone	108-10-1	81
Acetone	67-64-1	96

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS
1766 ElCamino Real

Client ID:	LCS		
Lab ID:	2108292A-13C	**Date/Time Analyzed:**	8/20/21 08:28 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd14.i / 14082003

Compound	CAS#	%Recovery
alpha-Chlorotoluene	100-44-7	88
Benzene	71-43-2	99
Bromodichloromethane	75-27-4	90
Bromoform	75-25-2	97
Bromomethane	74-83-9	97
Carbon Disulfide	75-15-0	92
Carbon Tetrachloride	56-23-5	90
Chlorobenzene	108-90-7	101
Chloroethane	75-00-3	94
Chloroform	67-66-3	86
Chloromethane	74-87-3	98
cis-1,2-Dichloroethene	156-59-2	90
cis-1,3-Dichloropropene	10061-01-5	93
Cumene	98-82-8	94
Cyclohexane	110-82-7	87
Dibromochloromethane	124-48-1	100
Ethanol	64-17-5	87
Ethyl Benzene	100-41-4	96
Freon 11	75-69-4	90
Freon 113	76-13-1	98
Freon 114	76-14-2	97
Freon 12	75-71-8	82
Heptane	142-82-5	94
Hexachlorobutadiene	87-68-3	92

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS
1766 ElCamino Real

Client ID:	LCS		
Lab ID:	2108292A-13C	**Date/Time Analyzed:**	8/20/21 08:28 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd14.i / 14082003

Compound	CAS#	%Recovery
Hexane	110-54-3	90
m,p-Xylene	108-38-3	101
Methyl tert-butyl ether	1634-04-4	69 Q
Methylene Chloride	75-09-2	92
o-Xylene	95-47-6	94
Propylbenzene	103-65-1	98
Styrene	100-42-5	95
Tetrachloroethene	127-18-4	103
Tetrahydrofuran	109-99-9	87
Toluene	108-88-3	96
trans-1,2-Dichloroethene	156-60-5	88
trans-1,3-Dichloropropene	10061-02-6	90
Trichloroethene	79-01-6	101
Vinyl Chloride	75-01-4	102

Q = Exceeds Quality Control limits.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	81
4-Bromofluorobenzene	460-00-4	70-130	102
Toluene-d8	2037-26-5	70-130	100

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS
1766 ElCamino Real

Client ID:	LCSD		
Lab ID:	2108292A-13CC	**Date/Time Analyzed:**	8/20/21 08:52 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd14.i / 14082004

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	87
1,1,2,2-Tetrachloroethane	79-34-5	97
1,1,2-Trichloroethane	79-00-5	93
1,1-Dichloroethane	75-34-3	87
1,1-Dichloroethene	75-35-4	89
1,2,4-Trichlorobenzene	120-82-1	92
1,2,4-Trimethylbenzene	95-63-6	100
1,2-Dibromoethane (EDB)	106-93-4	98
1,2-Dichlorobenzene	95-50-1	99
1,2-Dichloroethane	107-06-2	91
1,2-Dichloropropane	78-87-5	96
1,3,5-Trimethylbenzene	108-67-8	96
1,3-Butadiene	106-99-0	92
1,3-Dichlorobenzene	541-73-1	103
1,4-Dichlorobenzene	106-46-7	100
1,4-Dioxane	123-91-1	95
2,2,4-Trimethylpentane	540-84-1	89
2-Butanone (Methyl Ethyl Ketone)	78-93-3	89
2-Hexanone	591-78-6	97
2-Propanol	67-63-0	86
3-Chloropropene	107-05-1	95
4-Ethyltoluene	622-96-8	104
4-Methyl-2-pentanone	108-10-1	79
Acetone	67-64-1	92

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS
1766 ElCamino Real

Client ID:	LCSD		
Lab ID:	2108292A-13CC	**Date/Time Analyzed:**	8/20/21 08:52 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd14.i / 14082004

Compound	CAS#	%Recovery
alpha-Chlorotoluene	100-44-7	92
Benzene	71-43-2	99
Bromodichloromethane	75-27-4	90
Bromoform	75-25-2	97
Bromomethane	74-83-9	96
Carbon Disulfide	75-15-0	93
Carbon Tetrachloride	56-23-5	90
Chlorobenzene	108-90-7	103
Chloroethane	75-00-3	98
Chloroform	67-66-3	87
Chloromethane	74-87-3	100
cis-1,2-Dichloroethene	156-59-2	90
cis-1,3-Dichloropropene	10061-01-5	91
Cumene	98-82-8	93
Cyclohexane	110-82-7	89
Dibromochloromethane	124-48-1	100
Ethanol	64-17-5	90
Ethyl Benzene	100-41-4	98
Freon 11	75-69-4	91
Freon 113	76-13-1	98
Freon 114	76-14-2	96
Freon 12	75-71-8	82
Heptane	142-82-5	91
Hexachlorobutadiene	87-68-3	98

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS
1766 ElCamino Real

Client ID:	LCSD		
Lab ID:	2108292A-13CC	**Date/Time Analyzed:**	8/20/21 08:52 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd14.i / 14082004

Compound	CAS#	%Recovery
Hexane	110-54-3	91
m,p-Xylene	108-38-3	100
Methyl tert-butyl ether	1634-04-4	69 Q
Methylene Chloride	75-09-2	91
o-Xylene	95-47-6	93
Propylbenzene	103-65-1	98
Styrene	100-42-5	96
Tetrachloroethene	127-18-4	104
Tetrahydrofuran	109-99-9	89
Toluene	108-88-3	95
trans-1,2-Dichloroethene	156-60-5	90
trans-1,3-Dichloropropene	10061-02-6	92
Trichloroethene	79-01-6	97
Vinyl Chloride	75-01-4	101

Q = Exceeds Quality Control limits.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	83
4-Bromofluorobenzene	460-00-4	70-130	102
Toluene-d8	2037-26-5	70-130	100

* % Recovery is calculated using unrounded analytical results.

eurofins | Air Toxics

8/26/2021
Ms. Kimberly Brandt
GeoSyntec Consultants
1111 Broadway
6th Floor
Oakland CA 94607

Project Name: 1766 ElCamino Real
Project #: WR3038/02
Workorder #: 2108292B

Dear Ms. Kimberly Brandt

The following report includes the data for the above referenced project for sample(s) received on 8/13/2021 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified ASTM D-1946 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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WORK ORDER #: 2108292B

Work Order Summary

CLIENT:	Ms. Kimberly Brandt GeoSyntec Consultants 1111 Broadway 6th Floor Oakland, CA 94607	**BILL TO:**	Accounts Payable GeoSyntec Consultants 1111 Broadway 6th Floor Oakland, CA 94607
PHONE:	510-836-3034	**P.O. #**	100024776
FAX:	510-836-3036	**PROJECT #**	WR3038/02 1766 ElCamino Real
DATE RECEIVED:	08/13/2021	**CONTACT:**	Kathleen Kaneko
DATE COMPLETED:	08/26/2021		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	GVP5D_210811	Modified ASTM D-1946	6.5 "Hg	10 psi
02A	GVP5S_210811	Modified ASTM D-1946	5.0 "Hg	10 psi
03A	GVP4D_210811	Modified ASTM D-1946	8.0 "Hg	10 psi
04A	GVP4S_210811	Modified ASTM D-1946	7.5 "Hg	10.2 psi
05A	GVP3D_210811	Modified ASTM D-1946	5.5 "Hg	10 psi
06A	GVP3S_210811	Modified ASTM D-1946	5.5 "Hg	10 psi
07A	QCFD_1_210811	Modified ASTM D-1946	8.0 "Hg	10 psi
08A	QCFD_2_210811	Modified ASTM D-1946	6.0 "Hg	10 psi
09A	GVP1D_210812	Modified ASTM D-1946	5.0 "Hg	10 psi
10A	GVP2D_210812	Modified ASTM D-1946	17.0 "Hg	10 psi
11A	Lab Blank	Modified ASTM D-1946	NA	NA
11B	Lab Blank	Modified ASTM D-1946	NA	NA
12A	CCV	Modified ASTM D-1946	NA	NA
13A	LCS	Modified ASTM D-1946	NA	NA
13AA	LCSD	Modified ASTM D-1946	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 08/26/21

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209220, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-20-16, UT NELAP – CA009332020-12, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-014, Effective date: 10/18/2020, Expiration date: 10/17/2021.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

LABORATORY NARRATIVE
Modified ASTM D-1946
GeoSyntec Consultants
Workorder# 2108292B

Ten 1 Liter Summa Canister (100% Certified) samples were received on August 13, 2021. The laboratory performed analysis via Modified ASTM Method D-1946 for Methane and fixed gases in air using GC/FID or GC/TCD. The method involves direct injection of 1.0 mL of sample.

On the analytical column employed for this analysis, Oxygen coelutes with Argon. The corresponding peak is quantitated as Oxygen.

Since Nitrogen is used to pressurize samples, the reported Nitrogen values are calculated by adding all the sample components and subtracting from 100%.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the EATL modifications.

Requirement	***ASTM D-1946***	***ATL Modifications***
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A minimum of 5-point calibration curve is performed. Quantitation is based on average Response Factor.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

The Chain of Custody (COC) information for sample GVP1D_210812 did not match the entry on the sample tag with regard to sample identification. The information on the COC was used to process and report the sample.

Sample GVP2D_210812 was received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

Analytical Notes

As per project specific client request the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946
1766 ElCamino Real

Client ID:	GVP5D_210811		
Lab ID:	2108292B-01A	**Date/Time Analyzed:**	8/23/21 07:31 PM
Date/Time Collected:	8/11/21 10:46 AM	**Dilution Factor:**	2.15
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	gc10.i / 10082323

Compound	CAS#	MDL (%)	LOD (%)	Rpt. Limit (%)	Amount (%)
Carbon Dioxide	124-38-9	0.0021	0.0082	0.022	0.18
Carbon Monoxide	630-08-0	0.0012	0.0082	0.022	Not Detected
Helium	7440-59-7	0.0026	0.0067	0.11	0.014 J
Methane	74-82-8	0.000062	0.00012	0.00022	0.064
Nitrogen	7727-37-9	0.14	0.14	0.22	90
Oxygen	7782-44-7	0.014	0.014	0.22	9.2

J = Estimated value.

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946
1766 ElCamino Real

Client ID:	GVP5S_210811		
Lab ID:	2108292B-02A	**Date/Time Analyzed:**	8/23/21 08:19 PM
Date/Time Collected:	8/11/21 10:49 AM	**Dilution Factor:**	2.02
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	gc10.i / 10082324

Compound	CAS#	MDL (%)	LOD (%)	Rpt. Limit (%)	Amount (%)
Carbon Dioxide	124-38-9	0.0020	0.0077	0.020	5.5
Carbon Monoxide	630-08-0	0.0011	0.0077	0.020	Not Detected
Helium	7440-59-7	0.0025	0.0063	0.10	0.0076 J
Methane	74-82-8	0.000058	0.00012	0.00020	0.084
Nitrogen	7727-37-9	0.13	0.13	0.20	93
Oxygen	7782-44-7	0.013	0.013	0.20	1.8

J = Estimated value.

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946
1766 ElCamino Real

Client ID:	GVP4D_210811		
Lab ID:	2108292B-03A	**Date/Time Analyzed:**	8/23/21 05:53 PM
Date/Time Collected:	8/11/21 01:04 PM	**Dilution Factor:**	2.29
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	gc10.i / 10082320

Compound	CAS#	MDL (%)	LOD (%)	Rpt. Limit (%)	Amount (%)
Carbon Dioxide	124-38-9	0.0023	0.0087	0.023	0.16
Carbon Monoxide	630-08-0	0.0012	0.0087	0.023	Not Detected
Helium	7440-59-7	0.0028	0.0071	0.11	0.013 J
Methane	74-82-8	0.000066	0.00013	0.00023	0.00038
Nitrogen	7727-37-9	0.15	0.15	0.23	85
Oxygen	7782-44-7	0.015	0.015	0.23	15

J = Estimated value.

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946
1766 ElCamino Real

Client ID:	GVP4S_210811		
Lab ID:	2108292B-04A	**Date/Time Analyzed:**	8/23/21 06:59 PM
Date/Time Collected:	8/11/21 12:17 PM	**Dilution Factor:**	2.26
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	gc10.i / 10082322

Compound	CAS#	MDL (%)	LOD (%)	Rpt. Limit (%)	Amount (%)
Carbon Dioxide	124-38-9	0.0022	0.0086	0.023	4.0
Carbon Monoxide	630-08-0	0.0012	0.0086	0.023	Not Detected
Helium	7440-59-7	0.0028	0.0070	0.11	0.017 J
Methane	74-82-8	0.000066	0.00013	0.00023	Not Detected
Nitrogen	7727-37-9	0.14	0.14	0.23	82
Oxygen	7782-44-7	0.015	0.015	0.23	14

J = Estimated value.

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946
1766 ElCamino Real

Client ID:	GVP3D_210811		
Lab ID:	2108292B-05A	**Date/Time Analyzed:**	8/23/21 08:48 PM
Date/Time Collected:	8/11/21 03:32 PM	**Dilution Factor:**	2.06
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	gc10.i / 10082325

Compound	CAS#	MDL (%)	LOD (%)	Rpt. Limit (%)	Amount (%)
Carbon Dioxide	124-38-9	0.0020	0.0078	0.021	15
Carbon Monoxide	630-08-0	0.0011	0.0078	0.021	Not Detected
Helium	7440-59-7	0.0025	0.0064	0.10	0.0095 J
Methane	74-82-8	0.000060	0.00012	0.00021	0.074
Nitrogen	7727-37-9	0.13	0.13	0.21	84
Oxygen	7782-44-7	0.013	0.013	0.21	1.4

J = Estimated value.

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946
1766 ElCamino Real

Client ID:	GVP3S_210811		
Lab ID:	2108292B-06A	**Date/Time Analyzed:**	8/23/21 03:56 PM
Date/Time Collected:	8/11/21 03:29 PM	**Dilution Factor:**	2.06
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	gc10.i / 10082316

Compound	CAS#	MDL (%)	LOD (%)	Rpt. Limit (%)	Amount (%)
Carbon Dioxide	124-38-9	0.0020	0.0078	0.021	14
Carbon Monoxide	630-08-0	0.0011	0.0078	0.021	Not Detected
Helium	7440-59-7	0.0025	0.0064	0.10	0.017 J
Methane	74-82-8	0.000060	0.00012	0.00021	0.29
Nitrogen	7727-37-9	0.13	0.13	0.21	83
Oxygen	7782-44-7	0.013	0.013	0.21	2.4

J = Estimated value.

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946
1766 ElCamino Real

Client ID:	QCFD_1_210811		
Lab ID:	2108292B-07A	**Date/Time Analyzed:**	8/23/21 06:23 PM
Date/Time Collected:	8/11/21 12:00 AM	**Dilution Factor:**	2.29
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	gc10.i / 10082321

Compound	CAS#	MDL (%)	LOD (%)	Rpt. Limit (%)	Amount (%)
Carbon Dioxide	124-38-9	0.0023	0.0087	0.023	0.17
Carbon Monoxide	630-08-0	0.0012	0.0087	0.023	Not Detected
Helium	7440-59-7	0.0028	0.0071	0.11	0.013 J
Methane	74-82-8	0.000066	0.00013	0.00023	0.00046
Nitrogen	7727-37-9	0.15	0.15	0.23	85
Oxygen	7782-44-7	0.015	0.015	0.23	15

J = Estimated value.

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946
1766 ElCamino Real

Client ID:	QCFD_2_210811		
Lab ID:	2108292B-08A	**Date/Time Analyzed:**	8/23/21 04:25 PM
Date/Time Collected:	8/11/21 12:00 AM	**Dilution Factor:**	2.10
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	gc10.i / 10082317

Compound	CAS#	MDL (%)	LOD (%)	Rpt. Limit (%)	Amount (%)
Carbon Dioxide	124-38-9	0.0021	0.0080	0.021	5.6
Carbon Monoxide	630-08-0	0.0011	0.0080	0.021	Not Detected
Helium	7440-59-7	0.0026	0.0065	0.10	0.0088 J
Methane	74-82-8	0.000061	0.00012	0.00021	0.083
Nitrogen	7727-37-9	0.14	0.14	0.21	92
Oxygen	7782-44-7	0.014	0.014	0.21	1.8

J = Estimated value.

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946
1766 ElCamino Real

Client ID:	GVP1D_210812		
Lab ID:	2108292B-09A	**Date/Time Analyzed:**	8/23/21 04:51 PM
Date/Time Collected:	8/12/21 10:33 AM	**Dilution Factor:**	2.02
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	gc10.i / 10082318

Compound	CAS#	MDL (%)	LOD (%)	Rpt. Limit (%)	Amount (%)
Carbon Dioxide	124-38-9	0.0020	0.0077	0.020	3.0
Carbon Monoxide	630-08-0	0.0011	0.0077	0.020	Not Detected
Helium	7440-59-7	0.0025	0.0063	0.10	0.0051 J
Methane	74-82-8	0.000058	0.00012	0.00020	0.00018 J
Nitrogen	7727-37-9	0.13	0.13	0.20	85
Oxygen	7782-44-7	0.013	0.013	0.20	12

J = Estimated value.

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946
1766 ElCamino Real

Client ID:	GVP2D_210812		
Lab ID:	2108292B-10A	**Date/Time Analyzed:**	8/23/21 05:26 PM
Date/Time Collected:	8/12/21 11:18 AM	**Dilution Factor:**	3.88
Media:	1 Liter Summa Canister (100% Certified)	**Instrument/Filename:**	gc10.i / 10082319

Compound	CAS#	MDL (%)	LOD (%)	Rpt. Limit (%)	Amount (%)
Carbon Dioxide	124-38-9	0.0039	0.015	0.039	0.43
Carbon Monoxide	630-08-0	0.0021	0.015	0.039	Not Detected
Helium	7440-59-7	0.0048	0.012	0.19	0.031 J
Methane	74-82-8	0.00011	0.00022	0.00039	0.0092
Nitrogen	7727-37-9	0.25	0.25	0.39	84
Oxygen	7782-44-7	0.025	0.025	0.39	16

J = Estimated value.

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946
1766 ElCamino Real

Client ID:	Lab Blank		
Lab ID:	2108292B-11A	**Date/Time Analyzed:**	8/23/21 10:24 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	gc10.i / 10082305

Compound	CAS#	MDL (%)	LOD (%)	Rpt. Limit (%)	Amount (%)
Carbon Dioxide	124-38-9	0.0010	0.0038	0.010	Not Detected
Carbon Monoxide	630-08-0	0.00055	0.0038	0.010	Not Detected
Methane	74-82-8	0.000029	0.000058	0.00010	Not Detected
Nitrogen	7727-37-9	0.064	0.064	0.10	Not Detected
Oxygen	7782-44-7	0.0066	0.0066	0.10	Not Detected

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946
1766 ElCamino Real

Client ID:	Lab Blank		
Lab ID:	2108292B-11B	**Date/Time Analyzed:**	8/23/21 09:37 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	gc10.i / 10082304c

Compound	CAS#	MDL (%)	LOD (%)	Rpt. Limit (%)	Amount (%)
Helium	7440-59-7	0.0012	0.0031	0.050	Not Detected

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946
1766 ElCamino Real

Client ID:	CCV		
Lab ID:	2108292B-12A	**Date/Time Analyzed:**	8/23/21 08:23 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	gc10.i / 10082301

Compound	CAS#	%Recovery
Carbon Dioxide	124-38-9	102
Carbon Monoxide	630-08-0	94
Helium	7440-59-7	98
Methane	74-82-8	99
Nitrogen	7727-37-9	92
Oxygen	7782-44-7	95

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946
1766 ElCamino Real

Client ID:	LCS		
Lab ID:	2108292B-13A	**Date/Time Analyzed:**	8/23/21 08:48 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	gc10.i / 10082302

Compound	CAS#	%Recovery
Carbon Dioxide	124-38-9	101
Carbon Monoxide	630-08-0	90
Helium	7440-59-7	111
Methane	74-82-8	98
Nitrogen	7727-37-9	92
Oxygen	7782-44-7	95

* % Recovery is calculated using unrounded analytical results.

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946
1766 ElCamino Real

Client ID:	LCSD		
Lab ID:	2108292B-13AA	**Date/Time Analyzed:**	8/23/21 09:09 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	gc10.i / 10082303

Compound	CAS#	%Recovery
Carbon Dioxide	124-38-9	101
Carbon Monoxide	630-08-0	90
Helium	7440-59-7	111
Methane	74-82-8	98
Nitrogen	7727-37-9	92
Oxygen	7782-44-7	96

* % Recovery is calculated using unrounded analytical results.

APPENDIX D

Vapor Intrusion Health Risk Assessment

APPENDIX D

VAPOR INTRUSION HEALTH RISK ASSESSMENT

The Vapor Intrusion Health Risk Assessment (VIHRA) was conducted to support the proposed development plan that includes a high-density residential housing building with two stories of subterranean parking. The lowest floor of the parking garage will be approximately 25 feet bgs, encompassing the footprint of the building. Soil excavated to construct the garage will be disposed of offsite. A chemically-resistant moisture barrier will be applied to the exterior of the subsurface portion of the parking garage. Further, the parking garage will be designed so that occupation by human attendants will not be required and will be mechanically ventilated to meet fresh air requirements for underground parking garages, as required by the California Mechanical Codes (California Mechanical Code [CMC], 2016).

The objective of the VIHRA is to provide an analysis of theoretical adverse health effects from exposure to chemicals detected in soil vapor and groundwater and to provide the project proponent a basis for evaluating whether action to mitigate potential health risks from vapor intrusion is warranted.

The results of the VIHRA are used to identify the chemicals currently detected in soil vapor and groundwater that may require further evaluation, risk management, mitigation, and/or remediation measures to limit potential exposures under future uses. Soil vapor samples were collected to characterize subsurface soil vapor conditions and the potential for vapor intrusion. The data used in this VIHRA includes the data collected during the soil vapor and groundwater investigations as presented in Sections 4 and 2 of the main report, respectively. The analytical results of soil vapor samples indicate that benzene and tetrachloroethene (PCE) are the primary constituents detected at the greatest frequency with the greatest concentrations. In groundwater, methyl tertiary butyl ether (MTBE) and PCE were the only chemicals detected with published screening levels protective of vapor intrusion.[1]

For this VIHRA, the maximum concentrations of chemicals detected in soil vapor and groundwater were conservatively used to quantify the theoretical hazards and cancer risk from vapor intrusion to a future resident. The technical approaches employed in this VIHRA are based on current scientific data and are consistent with regulatory guidelines. The assumptions are conservative and based on regulatory agency recommendations and published guidance. As a result, the theoretical risk estimates presented herein likely overestimate actual risks.

1. EXPOSURE ASSESSMENT

The primary receptor is an at-grade (street level) future resident living in a unit directly above a two-story underground parking garage. For volatile organic compounds (VOCs) detected in soil vapor, the principal pathway for a future resident is the inhalation of VOCs in indoor air potentially migrating from the subsurface, through two floors of the underground parking garage, and into the indoor air of street-level residential units.

[1] Total petroleum hydrocarbons as diesel (TPH-d) was detected in groundwater but it does not have a published screening level protective of vapor intrusion; therefore, TPHd was not evaluated as a chemical of potential concern for the VIHRA.

The exposure point concentrations (EPCs) to which a future resident will be exposed are dependent upon the rate of entry of VOCs from soil vapor into the bottom floor garage, into the first-floor garage, and into indoor air within the occupied living space at grade. The rate of entry is influenced by several Site-specific factors, including the volume of the garage, the air exchange rate within the garage, and the ground level floor that separates the garage and the living space of the occupied units. These factors tend to reduce (or attenuate) the rate of infiltration into the indoor air. The ratio of indoor air concentration to subsurface soil vapor concentration is defined as the attenuation factor (AF). The AF is used as a measure of the decrease in concentration that occurs during vapor migration as a result of Site-specific factors.

The relationship between soil vapor and indoor air concentrations is calculated using two transfer factors: 1) soil vapor to the garage air; and 2) garage air through two floors into the living space. The attenuation factor between soil vapor and garage (AF_1) is the ratio of the concentrations in garage air to the concentrations in soil vapor below the garage. The default attenuation factor 0.03 recommended by the US Environmental Protection Agency (USEPA; 2015) and used by the California Environmental Protection Agency (CalEPA) Department of Toxic Substances Control (DTSC, 2020) and the San Francisco Bay Regional Water Quality Control Board (SFRWQCB, 2019) in the estimation of soil gas screening levels is based on a USEPA empirical vapor intrusion data study, predominantly focused on data collected from residential sites located in colder climates of the United States. An air exchange rate for residential structures is typically assumed to be 0.5 air exchanges per hour (hr^{-1}).

In contrast, underground garages are inherently designed with high ventilation and air exchanges to limit the buildup of automobile exhaust. They are required to use mechanical ventilation resulting in AFs that are lower than a slab-on-grade building scenario. In typical designs, parking garages maintain a negative pressure relative to the overlying building and/or exchange in fresh air to the garage space. These design elements prevent automobile exhaust from accumulating to unsafe concentrations within the garage and prevent air in the garage from flowing into the occupied spaces in the overlying building. These design features can also prevent the intrusion of soil vapor into the overlying building. Mechanical ventilation systems in underground garages are typically designed for an approximate air exchange of two to four exchanges per hour (hr^{-1}) to limit the buildup of automobile exhaust, as mandated by California building codes (CMC, 2016).

For this analysis, a conservative air exchange rate of 2 hr^{-1} is assumed for the garage. Consequently, the garage air exchange rate is four times higher than that for a residential structure. Incorporating the difference in ventilation between a garage and a residential structure, the attenuation factor, AF_1, is 0.0075 (0.03 divided by 4). The attenuation factor between the living space and underground garage (AF_2) is based on research on indoor airflow between apartment units on adjacent floors in multifamily buildings (Center for Energy and Environment, 2004). In the study, researchers also found that units on the higher floors of the buildings had a greater fraction of air from other units or inter-unit airflow due to the thermal stack effect. The average fraction of inter-unit flow was 2% for the units on the lowest floors, 7% for the units on the middle floors, and 19% for the units on the upper floors. In summary, the results of the research indicate that vapor concentrations attenuate between floors of multi-story buildings from 2% to 19% of the concentrations on the floor below. Because the research was conducted in apartment buildings in colder climates (Minnesota), stack effects are likely to be more significant than in California; therefore, an inter-unit flow of 10% is used as a reasonable

estimate Additionally, each unit in the planned multi-family development will have an individual heating, ventilation, and air conditioning (HVAC) system as opposed to a centralized HVAC with air handlers for each floor or groups of floors. Based on this study and the proposed development at the Site, an inter-unit flow of 10% was used as a conservative estimate from the bottom floor garage into the first-floor garage (AF_{2a}), and another inter-unit flow of 10% from the top floor underground garage into the indoor air of a residential unit (AF_{2b}).

Using these attenuation factors, the relationship between indoor air and soil vapor concentrations is given by:

$$C_{indoor\ air} = C_{soil\ vapor} \times AF_1 \times AF_{2a} \times AF_{2b}$$

For chemicals in groundwater, a similar approach was used. First, partitioning from the water phase to the vapor phase must be estimated. Equilibrium partitioning is assumed to obey Henry's Law. This involves converting the groundwater concentrations in micrograms per liter (µg/L) to an equivalent vapor concentration (micrograms per cubic meter [$\mu g/m^3$]) using the chemical-specific dimensionless Henry's Law Constant. Second, the default groundwater to indoor air AF of 0.001 and an adjustment factor of 4 was used to account for the differences in the air exchange rate between a residential home and a garage. Finally, inter-unit transfer factors of 10% were used.

The estimated indoor air concentrations of VOCs from soil vapor and groundwater migrating through two floors of an underground parking garage are then compared to indoor air screening levels to quantify the theoretical health risks and hazards for a future resident.

The Environmental Screening Levels (ESLs; SFRWQCB, 2019) in indoor air are the primary source of screening levels. For chemicals that do not have a published ESL, the DTSC modified screening levels (SLs; DTSC 2020) and the USEPA Regional Screening Levels (RSLs; USEPA, 2021) were used. The screening levels are derived using default exposure assumptions that are protective of Reasonable Maximum Exposure conditions for chronic duration exposures and are based on a target cancer risk level of 1×10^{-6} and a target noncancer hazard quotient (HQ) of 1.

2. RISK CHARACTERIZATION

For noncancer health effects of individual VOCs, chemical-specific HQs were calculated by dividing the estimated indoor air concentration (from the maximum soil vapor concentration) by the corresponding noncancer-based indoor air screening level. Potential additive effects were addressed by calculating a hazard index (HI) based on the sum of the HQs. This approach is generally believed to overestimate the potential for noncarcinogenic health effects due to simultaneous exposure to multiple chemicals because it does not account for different toxic endpoints. However, it can be used as a screening tool to rapidly identify those exposure scenarios for which exposure to multiple chemicals does not pose a noncarcinogenic health risk.

Similarly, the theoretical excess lifetime cancer risks were calculated from the estimated indoor air concentrations (based on the maximum concentrations of each VOC in soil vapor) and the corresponding cancer-based indoor air screening level. For carcinogenic VOCs, the theoretical

excess lifetime cancer risk was calculated by dividing the estimated concentrations by the screening level and then multiplying by the target risk level used in the development of the screening levels (i.e., one-in-one million or 1×10^{-6}). As with HIs, the estimated excess cancer risks for each chemical are summed regardless of toxic endpoint to estimate the total excess cancer risk for the exposed individual.

To characterize noncarcinogenic health hazards, noncancer HI were compared to USEPA's and CalEPA's acceptable HI of 1. To characterize carcinogenic health risks, the results were compared to USEPA's acceptable risk range of 1×10^{-6} to 1×10^{-4}, with CalEPA's 1×10^{-6} (one in one million) as the *de minimis* risk level and the point of departure for making risk management decisions. These risks are lower than the background risk of cancer in the general population, which for Americans is approximately one chance in two (0.5 or 5.0×10^{-1}) for males and one chance in three (0.33 or 3.3×10^{-1}) for females (American Cancer Society, 2017).

Based on the proposed development of a two-story underground parking structure and a comparison of the estimated indoor air concentrations in the first floor to residential indoor air screening levels, the estimated noncancer HI and theoretical excess lifetime cancer risk from VOCs in soil vapor to a future resident are 0.007 and 3×10^{-7}, respectively (**Table D-1**). In groundwater, the estimated noncancer HI and theoretical excess lifetime cancer risk to a future resident are 0.0003 and 3×10^{-8}, respectively (**Table D-2**).

3. UNCERTAINTIES

The purpose of the VIHRA is to serve as a management tool for developing conservative estimates of health risks and hazards, which are unlikely to underestimate the actual risk for potentially exposed populations. As a result, the numerical estimates in the risk assessment (risk values) have associated uncertainties reflecting the limitations in available knowledge about Site conditions, exposure assumptions, and chemical toxicity. To address these uncertainties, appropriately conservative assumptions were made.

For example, this VIHRA is based on the maximum concentrations reported in soil vapor and groundwater samples. Most of the soil vapor samples were collected in areas where soil will be excavated as part of construction for the underground parking garage. Furthermore, an upper-end inter-unit flow of 10% was conservatively used to estimate the concentrations in the indoor air of living spaces above a garage based on tracer gas studies performed in support of an environmental tobacco smoke study in multifamily buildings.

Because a risk assessment contains multiple sources of uncertainty, simplifying assumptions are often made so that theoretical health risks and hazards can be estimated quantitatively. Since the exact amount of uncertainty cannot be quantified, the risk assessment is intended to over-estimate rather than under-estimate theoretical cancer risk or noncancer hazard. Results of this VIHRA, therefore, suggest that Site conditions are likely to be protective of human health considering the inherent uncertainties and conservative assumptions in the process.

4. REFERENCES

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LIST OF TABLES

TABLE D-1

SUMMARY OF EXCESS LIFETIME CANCER RISK AND NONCANCER HAZARD FROM SOIL VAPOR
PROPOSED DEVELOPMENT PLANS FOR TWO FLOORS OF SUBGRADE PARKING
FUTURE RESIDENT

1766 El Camino Road
Burlingame, California

Chemical	Maximum Soil Vapor Concentration µg/m^3	Attenuation Factor unitless	Second Floor Garage Air Concentration µg/m^3	First Floor Garage Air Concentration µg/m^3	Ground Floor Air Concentration µg/m^3	Indoor Air Screening Level Cancer µg/m^3	Indoor Air Screening Level Noncancer µg/m^3	Excess Cancer Risk	Noncancer Hazard
1,2,4-Trimethylbenzene	1.6E+00	7.5E-03	1.2E-02	1.2E-03	1.2E-04	-	6.3E+01	-	1.9E-06
1,2-Dichloroethane	2.1E+01	7.5E-03	1.6E-01	1.6E-02	1.6E-03	1.1E-01	7.3E+00	1E-08	2.2E-04
1,3,5-Trimethylbenzene	6.4E-01	7.5E-03	4.8E-03	4.8E-04	4.8E-05	-	6.3E+01	-	7.6E-07
1,4-Dioxane	8.4E-01	7.5E-03	6.3E-03	6.3E-04	6.3E-05	3.6E-01	3.1E+01	2E-10	2.0E-06
2,2,4-Trimethylpentane	1.8E+03	7.5E-03	1.4E+01	1.4E+00	1.4E-01	-	-	-	-
4-Ethyltoluene	2.2E+00	7.5E-03	1.7E-02	1.7E-03	1.7E-04	-	1.0E+02	-	1.6E-06
Acetone	2.7E+02	7.5E-03	2.0E+00	2.0E-01	2.0E-02	-	3.2E+04	-	6.3E-07
Benzene	2.0E+02	7.5E-03	1.5E+00	1.5E-01	1.5E-02	9.7E-02	3.1E+00	2E-07	4.8E-03
Carbon Disulfide	1.0E+02	7.5E-03	7.5E-01	7.5E-02	7.5E-03	-	7.3E+02	-	1.0E-05
Carbon Tetrachloride	2.0E+01	7.5E-03	1.5E-01	1.5E-02	1.5E-03	4.7E-01	4.2E+01	3E-09	3.6E-05
Chlorobenzene	1.4E-01	7.5E-03	1.1E-03	1.1E-04	1.1E-05	-	5.2E+01	-	2.0E-07
Chloroethane	2.3E-01	7.5E-03	1.7E-03	1.7E-04	1.7E-05	-	1.0E+04	-	1.7E-09
Chloroform	4.8E+01	7.5E-03	3.6E-01	3.6E-02	3.6E-03	1.2E-01	1.0E+02	3E-08	3.5E-05
Chloromethane	4.2E+00	7.5E-03	3.2E-02	3.2E-03	3.2E-04	-	9.4E+01	-	3.4E-06
cis-1,2-Dichloroethene	4.4E+00	7.5E-03	3.3E-02	3.3E-03	3.3E-04	-	8.3E+00	-	4.0E-05
Cyclohexane	2.8E+03	7.5E-03	2.1E+01	2.1E+00	2.1E-01	-	6.3E+03	-	3.3E-05
Ethanol	5.1E+01	7.5E-03	3.8E-01	3.8E-02	3.8E-03	-	-	-	-
Ethyl Benzene	1.8E+01	7.5E-03	1.4E-01	1.4E-02	1.4E-03	1.1E+00	1.0E+03	1E-09	1.3E-06
Freon 11	1.4E+01	7.5E-03	1.1E-01	1.1E-02	1.1E-03	-	1.3E+03	-	8.1E-07
Freon 113	1.9E+01	7.5E-03	1.4E-01	1.4E-02	1.4E-03	-	5.2E+03	-	2.7E-07
Freon 12	3.8E+00	7.5E-03	2.9E-02	2.9E-03	2.9E-04	-	1.0E+02	-	2.9E-06
Heptane	6.6E+02	7.5E-03	5.0E+00	5.0E-01	5.0E-02	-	4.2E+02	-	1.2E-04
Hexane	2.7E+03	7.5E-03	2.0E+01	2.0E+00	2.0E-01	-	7.3E+02	-	2.8E-04
2-Propanol	3.5E+01	7.5E-03	2.6E-01	2.6E-02	2.6E-03	-	2.1E+02	-	1.3E-05
2-Hexanone	5.0E-01	7.5E-03	3.8E-03	3.8E-04	3.8E-05	-	3.1E+01	-	1.2E-06
2-Butanone (Methyl Ethyl Ketone)	1.6E+01	7.5E-03	1.2E-01	1.2E-02	1.2E-03	-	5.2E+03	-	2.3E-07
Methylene Chloride	6.3E+01	7.5E-03	4.7E-01	4.7E-02	4.7E-03	1.0E+00	4.2E+02	5E-09	1.1E-05
4-Methyl-2-pentanone	7.6E+00	7.5E-03	5.7E-02	5.7E-03	5.7E-04	-	3.1E+03	-	1.8E-07
Tetrachloroethene	4.5E+02	7.5E-03	3.4E+00	3.4E-01	3.4E-02	4.6E-01	4.2E+01	7E-08	8.1E-04
Propylbenzene	4.2E-01	7.5E-03	3.2E-03	3.2E-04	3.2E-05	-	1.0E+03	-	3.2E-08
Styrene	3.6E-01	7.5E-03	2.7E-03	2.7E-04	2.7E-05	-	9.4E+02	-	2.9E-08
Toluene	1.9E+02	7.5E-03	1.4E+00	1.4E-01	1.4E-02	-	3.1E+02	-	4.6E-05
Trichloroethene	1.6E+01	7.5E-03	1.2E-01	1.2E-02	1.2E-03	4.8E-01	2.1E+00	3E-09	5.8E-04
Vinyl Chloride	7.2E-01	7.5E-03	5.4E-03	5.4E-04	5.4E-05	9.5E-03	1.0E+02	6E-09	5.2E-07
m,p-Xylene	4.2E+01	7.5E-03	3.2E-01	3.2E-02	3.2E-03	-	1.0E+02	-	3.0E-05
o-Xylene	1.2E+01	7.5E-03	9.0E-02	9.0E-03	9.0E-04	-	1.0E+02	-	8.6E-06
TOTAL								3E-07	7E-03

Notes and Abbreviations:

Second Floor Garage Air Concentration = Soil Vapor x Attenuation Factor (AF = 0.03) adjusted by a factor of 4 (difference in garage vs residential air exchange)
First Floor Garage Air Concentration = Second Floor Garage Concentration x 10%
Ground Floor Air Concentration = First Floor Garage Concentration x 10%

[1] Indoor air screening levels based on an excess cancer risk of 1×10^{-6} and a hazard quotient of 1.0 (Water Board Environmental Screening Levels, 2019 Rev.2 supplemented by DTSC Modified Screening Levels fo Indoor Air (June 2020) or EPA Regional Screening Levels, May 2021.

TABLE D-2

SUMMARY OF EXCESS LIFETIME CANCER RISK AND NONCANCER HAZARD FROM GROUNDWATER
PROPOSED DEVELOPMENT PLANS FOR TWO FLOORS OF SUBGRADE PARKING
FUTURE RESIDENT

1766 El Camino Road
Burlingame, California

Chemical	Maximum Groundwater Concentration µg/L	Henry's Constant unitless	Vapor Concentration in Equilibrium with Groundwater µg/m^3	Second Floor Garage Air Concentration µg/m^3	First Floor Garage Air Concentration µg/m^3	Ground Floor Air Concentration µg/m^3	Indoor Air Screening Level Cancer µg/m^3	Indoor Air Screening Level Noncancer µg/m^3	Excess Cancer Risk	Noncancer Hazard
Methyl-tert butyl ether	7.8E+01	2.4E-02	1.9E+03	4.7E-01	4.7E-02	4.7E-03	1.1E+01	3.1E+03	4E-10	1.5E-06
Tetrachloroethene	6.4E+00	7.2E-01	4.6E+03	1.2E+00	1.2E-01	1.2E-02	4.6E-01	4.2E+01	3E-08	2.8E-04
TOTAL									3E-08	3E-04

Notes and Abbreviations:

Second Floor Garage Air Concentration = Groundwater x Attenuation Factor (AF = 0.001) adjusted by a factor of 4 = 0.00025

First Floor Garage Air Concentration = Second Floor Garage Concentration x 10%

Ground Floor Air Concentration = First Floor Garage Concentration x 10%

[1] Indoor air screening levels based on an excess cancer risk of 1×10^{-6} and a hazard quotient of 1.0 (Water Board Environmental Screening Levels, 2019 Rev.2 supplemented by DTSC Modified Screening Levels fo Indoor Air (June 2020) or EPA Regional Screening Levels, May 2021.

APPENDIX E
Human Health Risk Assessment for Construction Workers

APPENDIX E
HUMAN HEALTH RISK ASSESSMENT
FOR CONSTRUCTION WORKERS

This appendix presents a detailed discussion of the fate and transport modeling and chemical intake equations that were used in the human health risk assessment for construction workers (HHRA-cw) for the Site. For this assessment, it was assumed that a construction worker would be working in a trench; this scenario represents the "worst" case assessment based on the proposed development plan that includes a high-density residential housing building with two stories of subterranean parking. The lowest floor of the parking garage will be approximately 25 feet bgs, and encompassing the footprint of the building. Soil excavated to construct the garage will be excavated and disposed offsite.

1. FATE AND TRANSPORT MODELING

Fate and transport modeling is the quantitative analysis of how chemicals move through the environment and how they are transformed by processes such as chemical reaction and biological degradation. Fate and transport modeling was employed to predict the movement of chemicals from impacted media (soil vapor and groundwater) to points of exposure for human populations. With respect to fate and transport modeling, chemical transformation processes of chemical reaction and biological degradation was not evaluated in this HHRA-cw for the Site.

Fate and transport modeling were required to assess the distinct indirect-exposure pathways including:

- Transport of vapor-phase chemical of potential concern (COPCs) from soil vapor to outdoor air; and
- Transport of vapor-phase COPCs from groundwater to outdoor air.

For each of these transport mechanisms, fate and transport modeling was employed to quantify the relationship between the chemical concentration in the impacted medium (soil vapor or groundwater) and the chemical concentration in the exposure medium (outdoor air). The relationship is expressed in the form of a "transfer factor," defined as, the ratio of the chemical concentration in the exposure medium to the chemical concentration in the impacted medium.

Fate and transport modeling was used to assess the indirect-exposure pathways and the methodology for calculation of transfer factors are further discussed below. Note that for soil vapor to outdoor air pathway, a volatilization factor (VF) expression was used to

represent the attenuation of vapors from the subsurface to outdoor air (VF_{SV-OA}). For the groundwater to outdoor air pathway, a VF_{GW-OA} was used to represent the attenuation of vapors from groundwater to outdoor air. For future construction workers, volatilization of volatile organic compounds (VOCs) from soil vapor and groundwater to outdoor air was evaluated for potential trench exposures using equations presented in the *Virginia Unified Risk Assessment Model – VURAM User Guide* (Virginia Department of Environmental Quality [VDEQ], 20200.

The model input parameters for the trench scenario are presented in **Tables E-1** and **E-2**. In the absence of any Site-specific information dictating trench dimensions for hypothetical future construction workers, VDEQ default values for trench length (8 feet) and width (3 feet) (VDEQ, 2020) were used. A trench depth of 10 feet below ground surface (bgs) was used consistent with the depth of excavation assumed for potential soil exposures for these receptors. The fraction of the trench floor and sides through which chemicals can enter (F) was conservatively assumed to be 1, indicating the entire base of the trench and sides of the trench are within the contaminated zone and exposed. An air exchange rate of two air exchanges per hour (ACH) was adopted from VDEQ [2020]. Finally, chemical-physical properties for Site COPCs, which were used in the fate and transport modeling, were taken from US Environmental Protection Agency (EPA) guidance Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites (USEPA, 2021) and are also summarized in **Tables E-1 and E-2**. Default soil physical properties from the San Francisco Bay Regional Water Quality Control Board (SFRWQCB) User's Guide [SFRWQCB, 2019a] were conservatively used in the HHRA-cw for the fate and transport pathways, as summarized in the following table:

Parameter	Default	Units
Water-filled soil porosity (θ_w)	0.15	(Lwater-Lsoil)
Total soil porosity (θ_T)	0.43	(Lpore-Lsoil)
Air-filled soil porosity (θ_a)	0.28	(Lair-Lsoil)
Soil bulk density (Pb)	1.5	g/cm^3

1.1 Soil Vapor to Outdoor Air in a Trench During Intrusive Activities

Because VOCs were detected in soil vapor samples collected at the Site, individuals could potentially be exposed via inhalation of vapors migrating through the soil column to outdoor air in a trench during intrusive activities. Outdoor vapor concentrations are typically negligible considering the significant quantity of ambient air diluting the vapor emissions.

However, given the presence of VOCs at the Site, outdoor air exposures were evaluated in this HHRA-cw as discussed below.

For future construction workers under a trench scenario, potential migration of VOCs from soil vapor to outdoor air was estimated using the following VF equation, as presented in Section A2.2 of the *Virginia Unified Risk Assessment Model – VURAM User Guide*; Equation 2-13 (VDEQ, 2020):

$$VF_{SV\text{-}OA} = \frac{D_{air} \times \theta_a^{3.33} \times A \times F \times 10^4 \times 3600}{L_d \times ACH \times V \times \theta_T^2 \times 10^6}$$

Where:

$VF_{SV\text{-}OA}$	=	soil vapor to outdoor air volatilization factor within a trench (micrograms per cubic meter [µg/m^3] soil vapor per µg/m^3 outdoor air);
D_{air}	=	COPC-specific diffusivity in air (centimeters squared per second [cm^2/sec]);
θ_a	=	air-filled porosity (0.28 cubic centimeters [cm^3]air/cm^3-soil);
A	=	area of trench (2.23 meters squared [m^2]); assumes 2.44 meters long by 0.91 meter wide;
F	=	fraction of floor through which contaminant can enter (1; unitless);
10^4	=	units conversion factor (cm^2/m^2);
3600	=	units conversion factor (second [s]/hour);
L_d	=	distance between the trench bottom and the soil vapor source (conservatively assumed to equal 1 centimeter, [VDEQ, 2020]);
ACH	=	air changes per hour (2 hour^{-1}, [VDEQ, 2020]);
V	=	volume of trench (width 2.44 meters [m] × length 0.91 m × depth 3.05 m = 6.8 m^3);
θ_T	=	total soil porosity (0.43 cm^3-air/cm^3-soil); and
10^6	=	units conversion factor (cm^3/m^3).

The soil vapor to outdoor air $VF_{SV\text{-}OA}$ represents the ratio of the outdoor air exposure point concentration (EPC) within a trench ($EPC_{SV\text{-}OA}$) to the EPC_{SV} presented in the equation below:

$$VF_{SV\text{-}OA} = \frac{EPC_{SV\text{-}OA}}{EPC_{SV}}$$

Where:

$VF_{SV\text{-}OA}$	=	soil vapor to outdoor air volatilization factor within a trench (µg/m^3 soil vapor per µg/m^3 outdoor air);
$EPC_{SV\text{-}OA}$	=	exposure point concentration of COPC in outdoor air within a trench

from soil vapor (µg/m^3); and

EPC_{SV} = exposure point concentration, soil vapor (µg/m^3).

Derivation of the COPC-specific $VF_{SV\text{-}OA}$ for future construction workers are presented in **Table E-1**. These VFs were incorporated into the exposure concentration factor equation (see Section 2) for outdoor inhalation of VOCs detected in soil vapor.

1.2 Groundwater to Outdoor Air

Because VOCs were detected in groundwater samples collected at the Site, individuals could potentially be exposed to vapors migrating from groundwater through the subsurface to outdoor air within a trench. This section details the methodology for deriving COPC-specific VFs for the groundwater to outdoor air pathway ($VF_{GW\text{-}OA}$) for future construction workers. Volatile emissions from groundwater into trenches and/or excavations and subsequent mixing in outdoor air was calculated using the following VF equation, as presented in Section A2.1.2 of the *VURAM User Guide*; Equation 2-4 (VDEQ, 2020):

$$VF_{GW\text{-}OA} = \frac{K_i \times A \times F \times 10^{-3} \times 10^{4} \times 3600}{ACH \times V}$$

Where:

K_i = COPC-specific overall mass transfer coefficient (cm/s);

A = area of the trench, (2.23 m^2); assumes 2.44 meters long by 0.91 meter wide;

F = fraction of floor through which contaminant can enter (1, unitless);

10^{-3} = units conversion factor (L/cm^3);

10^4 = units conversion factor (cm^2/m^2);

3600 = units conversion factor (s/hour);

ACH = air changes per hour (2 $hour^{-1}$ [VDEQ, 2020]); and

V = volume of trench (width 2.44 m × length 0.91 m × depth 3.05 m = 6.8 m^3).

The overall mass transfer coefficient, K_i, was estimated using the equations from VDEQ VURAM (VDEQ, 2020), and presented below:

$$K_i = \frac{1}{\frac{1}{k_{iL}} + \left(\frac{R \times T}{H \times k_{iG}}\right)}$$

Where:

K_i = COPC-specific overall mass transfer coefficient (cm/s);

k_{iL} = liquid-phase mass transfer coefficient (cm/s);

R = ideal gas constant (8.2E-5 atmosphere-cubic meter [atm-m^3]/mole [mol] at degrees Kelvin [ºK]);

T = average system temperature (291 ºK);

H = COPC-specific Henry's Law Constant (atm-m^3/mol); and

k_{iG} = gas-phase mass transfer coefficient (cm/s).

The liquid-phase mass transfer coefficient, k_{iL}, was estimated by:

$$k_{iL} = \left(\frac{MW_{O2}}{MW_i}\right)^{0.5} \times \left(\frac{T}{298}\right) \times k_{L,O2}$$

Where:

k_{iL} = liquid-phase mass transfer coefficient (cm/s);

MW_{O2} = molecular weight of oxygen, O_2 (32 grams [g]/mol);

MW_i = COPC-specific molecular weight (g/mol);

T = average system temperature (298 ºK); and

$k_{L,O2}$ = liquid-phase mass transfer coefficient of oxygen at 25ºC (0.002 cm/s).

The gas-phase mass transfer coefficient, k_{iG}, was estimated by:

$$k_{iG} = \left(\frac{MW_{H2O}}{MW_i}\right)^{0.335} \times \left(\frac{T}{298}\right)^{1.005} \times k_{G,H2O}$$

Where:

k_{iG} = gas-phase mass transfer coefficient (cm/s);

MW_{H2O} = molecular weight of water (18 g/mol);

MW_i = COPC-specific molecular weight (g/mol);

T = average system temperature (298 ºK); and

$k_{G,H2O}$ = gas-phase mass transfer coefficient for water vapor (0.833 cm/s).

The groundwater to outdoor air $VF_{GW\text{-}OA}$ represents the ratio of the outdoor air exposure point concentration ($EPC_{GW\text{-}OA}$) to the EPC_{GW} presented in the equation below:

$$VF_{GW\text{-}OA} = \frac{EPC_{GW\text{-}OA}}{EPC_{GW}}$$

Where:

$VF_{GW\text{-}OA}$ = groundwater to outdoor air volatilization factor within a trench (liter [L]/m^3);

$EPC_{GW\text{-}OA}$ = exposure point concentration of COPC in outdoor air within a trench from groundwater (µg/m^3); and

EPC_{GW} = exposure point concentration, groundwater (µg/L).

Derivation of the COPC-specific $VF_{GW\text{-}OA}$ for future construction workers are presented in **Table E-2**. These VFs were incorporated into the exposure concentration factor equation (see Section 2) for outdoor inhalation of VOCs detected in groundwater.

2. ESTIMATING COPC INTAKE

The exposure assessment quantifies the magnitude, frequency, and duration of chemical intake (daily intake) by populations using California EPA (CalEPA, 2019a) and USEPA (1989) guidelines, and professional judgment, as appropriate. For future construction workers, it was assumed they spend 4 hours per day for 125 days per year for 1 year working in a trench, as recommended in the *VURAM User Guide* (VDEQ, 2020).

Inhalation of volatile COPCs in outdoor air is a consideration for soil vapor and groundwater exposures. The following equation was used to estimate the exposure concentration (EC) factor for the inhalation pathway for outdoor air from soil vapor for future construction workers:

$$EC_{SV\text{-}OA} = \frac{EPC_{SV} \times EF \times ED \times ET}{AT \times VF_{SV\text{-}OA}}$$

Where:

EPC_{SV} = exposure point concentration of COPC in soil vapor (µg/m^3);

$EC_{SV\text{-}OA}$ = exposure concentration factor of COPC in outdoor air from soil vapor (mg/m^3);

EF = exposure frequency (days/year [yr]);

ED = exposure duration (yrs);

ET = exposure time (4 hours [hrs]/24 hrs for future construction workers);

AT = averaging time (days):

cancer effects: 70 yrs × 365 days;

noncancer effects: ED × 365 days; and

$VF_{SV\text{-}OA}$ = volatilization factor for soil vapor (µg/m^3 per µg/m^3).

The following equation was used to estimate the EC for the inhalation pathway for outdoor air from groundwater for future construction workers:

$$EC_{GW\text{-}OA} = \frac{EPC_{GW} \times EF \times ED \times ET}{AT \times VF_{GW\text{-}OA}}$$

Where:

EPC_{GW}	=	exposure point concentration of COPC in groundwater (µg/L);
$EC_{GW\text{-}OA}$	=	exposure concentration factor of COPC in outdoor air from groundwater (milligrams [mg]/m^3);
EF	=	exposure frequency (days/yr);
ED	=	exposure duration (yrs);
ET	=	exposure time (4 hrs/24 hrs for future construction workers);
AT	=	averaging time (days): cancer effects: 70 yrs × 365 days; noncancer effects: ED × 365 days; and
$VF_{GW\text{-}OA}$	=	volatilization factor for groundwater (L/m^3).

The assumed exposure parameters used to estimate $EC_{SV\text{-}OA}$ and $EC_{GW\text{-}OA}$ for outdoor inhalation of vapors for future construction workers are presented in **Table E-3** of this HHRA-cw.

3. TOXICITY ASSESSMENT

The toxicity assessment characterizes the relationship between the magnitude of exposure to a COPC and the nature and magnitude of adverse health effects that may result from such exposure. Consistent with regulatory risk assessment policy, adverse health effects resulting from potential chemical exposures are classified into two broad categories: carcinogens and noncarcinogens.

The key dose-response criteria are (i) inhalation unit risk factors (IURs) for estimating cancer risks from exposure to carcinogens; and (ii) inhalation reference concentrations (RfCs) for estimating hazard from exposure to noncarcinogens. For estimating cancer and noncancer risk in the HHRA, the required toxicity criteria were selected from the following sources, in order of preference:

1) CalEPA Department of Toxic Substances Control (DTSC) HHRA Note 10 (CalEPA DTSC, 2019b);
2) CalEPA DTSC HHRA Note 3 (CalEPA DTSC, 2020a);

3) USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites (USEPA, 2021);

4) San Francisco Bay Regional Water Quality Control Board (SFRWQCB). User's Guide: Derivation and Application of Environmental Screening Levels (ESLs) (SFRWQCB, 2019ab).

For some of the COPCs, neither CalEPA nor USEPA have identified a toxicity value. In these cases, a surrogate chemical approach was employed in which the toxicity value developed for a structurally similar compound was assigned to the COPC which is lacking the toxicity value to avoid underestimating potential noncancer hazards.

Cancer and noncancer toxicity criteria for the COPCs are presented in **Table E-4**.

4. RISK CHARACTERIZATION

Risk assessment is an iterative process where site, population, and chemical-specific data are used when available. When specific data are not available, conservative, i.e., health protective, assumptions are utilized. The use of repeated, conservative assumptions can lead to overly conservative estimations of health risk, but which provide an upper-bound estimate of the actual risk. The most probable risk is likely to be much less, perhaps as low as zero, and probably not measurable in the potentially exposed population.

Risk characterization is the combination of the results of the exposure assessment and toxicity assessment for both cancer risk and noncancer hazard to yield a quantitative expression of theoretical risk. This integration provides quantitative estimates of theoretical risk and noncancer hazard that are then compared to target risk levels. The risk characterization can be used to guide risk management decisions.

4.1 Risk Management Criteria

Various demarcations of acceptable risk have been established by regulatory agencies. Under most situations, cancer risks in the range of 10^{-6} to 10^{-4} may be considered acceptable with cancer risks less than 10^{-6} considered *de minimis* (USEPA, 1991) and noncancer hazards should not be present at levels expected to cause adverse health effects (i.e., a target Hazard Index [HI] greater than 1). In California, the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) regulates chemical exposures to the general population and is based on an acceptable risk level of 1×10^{-5}. The final target risk and hazard level to be considered in assessing Site corrective action is a risk management decision.

Under most situations, cancer risks in the range of 1×10^{-6} to 1×10^{-4} are considered to be acceptable with cancer risks less than 1×10^{-6} considered insignificant. The risk range between 1×10^{-6} to 1×10^{-4} is commonly called the "discretionary risk range."

The following section describes the methodology that was used to estimate potential cancer risk and noncancer hazard in the HHRA-cw.

4.2 Cumulative Risk Methodology

This section presents the specific approach used in estimating the cumulative cancer risk and noncancer hazard associated with exposure to all detected COPCs at the Site. This approach can be used to determine if the target risk or hazard ranges are exceeded for a given land use scenario.

4.2.1 Cancer Risk

The theoretical risk from exposure to potential chemical carcinogens is estimated as the probability of an individual developing cancer over a lifetime. These estimates do not reflect a population's background risk of cancer (e.g., one-in-three to one-in-two range), but only the highest additional incremental risk that is theoretically expected to result from exposure to Site COPCs.

In the risk characterization step of a HHRA, excess lifetime cancer risk (CR) was estimated by multiplying the exposure concentration ($EC_{SV\text{-}OA}$ or $EC_{GW\text{-}OA}$[1]) by the inhalation unit risk (IUR) factor for inhalation exposures, to arrive at a unitless probability of an individual developing cancer:

$$\text{Cumulative } CR_{inh} = (EC_{SV-OA} \text{ or } EC_{GW-OA}) \times IUR$$

As a matter of policy, USEPA considers the carcinogenic risk of simultaneous exposure to low doses of different carcinogenic chemicals to be additive, regardless of the chemicals' mechanisms of toxicity or sites (organs of the body) of action (USEPA, 1986). Specifically, cumulative cancer risk arising from exposure to more than one chemical in a specific medium and pathway was estimated using the following equation:

$$\text{Cumulative } CR_{p} = CR_{chem\ 1} + CR_{chem\ 2} + \ldots CR_{i}$$

Where:

Cumulative CR_p = excess lifetime cancer risk (unitless) for more than one chemical in a specific medium and pathway; and

$CR_{chem,i}$ = individual cancer risk for the i^{th} chemical, or for the i^{th} pathway.

[1] Exposure concentration for the soil vapor to outdoor air and groundwater to outdoor air pathways, respectively.

The cumulative CR was calculated on a media-by-media and cumulative basis and was subsequently compared to risk management criteria.

4.2.2 Noncancer Hazard

The potential for adverse noncancer effects due to exposure to an individual chemical is expressed as the hazard quotient (HQ). COPC-specific HQs were estimated by calculating the exposure concentration ($EC_{SV\text{-}OA}$ or $EC_{GW\text{-}OA}$) to the inhalation reference concentration (RfC). The following equations were used to estimate the noncancer HQ for outdoor inhalation exposures:

$$HQ_{inh} = \frac{(EC_{SV\text{-}OA} \text{ or } EC_{GW\text{-}OA})}{RfC}$$

Implicit in the HQ is the assumption of a threshold level of exposure below which no adverse effects are expected to occur. For example, if the HQ exceeds unity (i.e., is greater than 1), site-specific exposure exceeds the RfD (or RfC), then the potential for noncancer adverse effects may exist. However, a value greater than 1 does not mean an adverse effect will occur due to the conservatism used in deriving the RfD/REL values and exposure assumptions that were used in this HHRA-cw.

To assess the overall potential for adverse noncancer health effects posed by exposure to multiple chemicals, the HQs for each COPC associated with a given exposure pathway were summed, as shown in the equation below, resulting in what is referred to by the USEPA as the hazard index (HI):

$$HI_p = HQ_{chem\ 1} + HQ_{chem\ 2} + \ldots HQ_i$$

Where:

HI_p = hazard index (unitless) for more than one chemical in a specific medium and pathway; and

HQ_i = hazard quotient for the i^{th} chemical, or for the i^{th} pathway.

The cumulative HI was subsequently compared to DTSC's and USEPA's target noncancer hazard of 1.

4.3 Risk Characterization Results

Cumulative Incremental Lifetime Cancer Risks and HIs for future construction workers are summarized in **Table E-5** for soil vapor exposures and in **Table E-6** for groundwater exposures. The results for each exposure media are summarized in the following subsections.

4.3.1 Soil Vapor

Using maximum soil vapor EPCs to evaluate theoretical soil vapor to outdoor air exposure in a trench, a cumulative CR of 3×10^{-7} was calculated for future construction workers, which is below the CalEPA DTSC point of departure risk level of 1×10^{-6}. A cumulative HI of 0.2 was estimated, which is below the target hazard of 1.

4.3.2 Groundwater

Using maximum groundwater EPCs to evaluate theoretical groundwater to outdoor air exposure in a trench, a cumulative CR of 3×10^{-7} was calculated for future construction workers, which is below the CalEPA DTSC point of departure risk level of 1×10^{-6}. A cumulative HI of 0.06 was estimated, which is well below the target hazard of 1.

X.5 REFERENCES

California Environmental Protection Agency (CalEPA), Department of Toxic Substances Control (DTSC). 2019a. Human Health Risk Assessment (HHRA) Note Number 1. Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. Human and Ecological Risk Office (HERO). Issue Date: April 9, 2019.

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LIST OF TABLES

TABLES

TABLE E-1
SOIL VAPOR TO OUTDOOR AIR VOLATILIZATION FACTOR
1766 El Camino Road
Burlingame, California

CAS Number	Chemical of Potential Concern	Diffusivity in Air (D_{air}) (cm^2/s)	VF_{SV-OA} ($\mu g//m^3$ per $\mu g//m^3$)
95-63-6	1,2,4-Trimethylbenzene	6.1E-02	2.9E-02
107-06-2	1,2-Dichloroethane	8.6E-02	4.1E-02
108-67-8	1,3,5-Trimethylbenzene	6.0E-02	2.9E-02
123-91-1	1,4-Dioxane	8.7E-02	4.1E-02
540-84-1	2,2,4-Trimethylpentane	5.7E-02	2.7E-02
78-93-3	2-Butanone (Methyl Ethyl Ketone)	9.1E-02	4.3E-02
591-78-6	2-Hexanone	7.0E-02	3.3E-02
67-63-0	2-Propanol	1.0E-01	4.9E-02
622-96-8	4-Ethyltoluene	6.0E-02	2.9E-02
108-10-1	4-Methyl-2-pentanone	7.0E-02	3.3E-02
67-64-1	Acetone	1.1E-01	5.0E-02
71-43-2	Benzene	9.0E-02	4.2E-02
75-15-0	Carbon Disulfide	1.1E-01	5.0E-02
56-23-5	Carbon Tetrachloride	5.7E-02	2.7E-02
108-90-7	Chlorobenzene	7.2E-02	3.4E-02
75-00-3	Chloroethane	1.0E-01	4.9E-02
67-66-3	Chloroform	7.7E-02	3.6E-02
74-87-3	Chloromethane	1.2E-01	5.9E-02
156-59-2	cis-1,2-Dichloroethene	8.8E-02	4.2E-02
110-82-7	Cyclohexane	8.0E-02	3.8E-02
64-17-5	Ethanol	1.6E-01	7.5E-02
100-41-4	Ethyl Benzene	6.8E-02	3.2E-02
75-69-4	Freon 11	6.5E-02	3.1E-02
76-13-1	Freon 113	3.8E-02	1.8E-02
75-71-8	Freon 12	7.6E-02	3.6E-02
142-82-5	Heptane	6.5E-02	3.1E-02
110-54-3	Hexane	7.3E-02	3.5E-02
106-42-3	m,p-Xylene	6.8E-02	3.2E-02
75-09-2	Methylene Chloride	1.0E-01	4.7E-02
95-47-6	o-Xylene	6.9E-02	3.3E-02
103-65-1	Propylbenzene	6.0E-02	2.9E-02
100-42-5	Styrene	7.1E-02	3.4E-02
127-18-4	Tetrachloroethene	5.0E-02	2.4E-02
108-88-3	Toluene	7.8E-02	3.7E-02
79-01-6	Trichloroethene	6.9E-02	3.3E-02
75-01-4	Vinyl Chloride	1.1E-01	5.1E-02

TABLE E-1
SOIL VAPOR TO OUTDOOR AIR VOLATILIZATION FACTOR
1766 El Camino Road
Burlingame, California

Equations:

" VF_{SV-OA} " soil vapor-to-outdoor air volatilization factor (unitless)

$$VF_{SV-OA} = \frac{EPC_{SV}}{EPC_{SV-OA}} \qquad EPC_{SV-OA} = \frac{EPC_{SV}}{VF_{SV-OA}}$$

$$VF_{SV-OA} = \left(\frac{D_{air} \times \theta_a^{3.33} \times A \times F \times CF1 \times 3600}{L_d \times ACH \times V \times \theta_T^{2} \times CF2}\right)$$

where:

" EPC_{SV-OA} " EPC in outdoor air from soil vapor

" EPC_{SV} " soil vapor (SV) exposure point concentration

--	**D_{air}** = Diffusivity in Air (cm^2/s), COPC-specific
0.43	**θ_T** = Total soil porosity
0.28	**θ_a** = Air-filled soil porosity
0.15	**θ_w** = Water-filled soil porosity
2.23	**A** = area of the excavation, (2.23 m^2); assumes 2.44 meters long by 0.91 meter (8 ft x 3 ft) wide
1	**F** = fraction of floor through which COPC can enter (1, dimensionless)
10,000	**CF1** = units conversion factor (10,000 cm^2/m^2)
3600	**3600** = units conversion factor (s/hour)
1	**L_d** = distance between trench bottom and groundwater assumed to be 1 cm
2	**ACH** = air change per hour (hr-1)
6.8	**V** = volume of the excavation, (6.8 m^3); assumes 2.44 m x 0.91 m x 3.05 m (8 ft x 3 ft x 10 ft)
1,000,000	**CF2** = units conversion factor (1,000,000 cm^3/m^3)

TABLE E-2
GROUNDWATER TO OUTDOOR AIR VOLATILIZATION FACTOR
1766 El Camino Road
Burlingame, California

CAS Number	Chemical of Potential Concern	Molecular Weight MW (g/mol)	Henry's Law Constant H (atm-m^3/mol)	Gas-Phase Mass Transfer Coefficient KiG (cm/s)	Liquid-Phase Mass Transfer Coefficient KiL (cm/s)	Overall Mass Transfer Coefficient Ki (cm/s)	VF_{GW-OA} (L/m^3)
1634-04-4	Methyl tert-butyl ether (MTBE)	8.8E+01	5.9E-04	4.9E-01	1.2E-03	1.1E-03	6.5E+00
127-18-4	Tetrachloroethene (PCE)	1.7E+02	1.8E-02	4.0E-01	8.8E-04	8.8E-04	5.2E+00

Equations:

" VF_{GW-OA} " volatilization factor from groundwater to outdoor air

$$VF_{GW-OA} = \frac{EPC_{gw-oa}}{EPC_{GW}}$$

where:

" EPC_{gw-oa} " EPC in outdoor air from groundwater

" EPC_{GW} " groundwater (GW) exposure point concentration

$$VF_{GW-OA} = \frac{K_i \times A_{Exc} \times F \times CF1 \times CF2 \times 3600}{ACH \times V}$$

where:

2 ACH = air change per hour (hr-1)

2.23 A_{Exc} = area of the excavation, (2.23 m^2); assumes 2.44 meters long by 0.91 meter (8 ft x 3 ft) wide

1 F = fraction of floor through which COPC can enter (1, dimensionless);

0.001 CF1 = units conversion factor (0.001 L/cm^3).

10,000 CF2 = units conversion factor (10,000 cm^2/m^2).

3600 3600 = units conversion factor (s/hour);

6.8 V = volume of the excavation, (6.8 m^3); assumes 2.44 m x 0.91 m x 3.05 m (8 ft x 3 ft x 10 ft)

And where:

$$K_i = \frac{1}{\frac{1}{k_{iL}} + \left(\frac{R \times T}{H \times k_{iG}}\right)}$$

$$k_{iG} = \left(\frac{MW_{H2O}}{MW_i}\right)^{0.335} \times \left(\frac{T}{298}\right)^{1.005} \times k_{G,H2O} \qquad k_{iL} = \left(\frac{MW_{O2}}{MW_i}\right)^{0.5} \times \left(\frac{T}{298}\right) \times k_{L,O2}$$

k_{iG} gas-phase mass transfer coefficient (cm/s).

k_{iL} liquid-phase mass transfer coefficient (cm/s);

K_i COPC-specific overall mass transfer coefficient (cm/s);

H COPC-specific Henry's Law Constant (atm-m^3/mol);

0.833 Kg,H_2O = Gas-phase mass transfer coefficient of water vapor at 25°C (cm/s)

18 MWH_2O = molecular weight of water (g/mol)

0.002 Kl,O_2 = Liquid-phase mass transfer coefficient of oxygen at 25°C (cm/s)

32 MWO_2 = Molecular weight of oxygen (g/mol)

298 T = System Temperature (K)

8.2E-05 R = Ideal gas constant (atm-m^3/mol-K)

TABLE E-3
EXPOSURE PARAMETERS
1766 El Camino Road
Burlingame, California

Parameter		Units	Future Construction Worker	
			Adult	source
EF	Exposure frequency	days/year	125	(1)
ED	Exposure duration	year	1	(2)
ET	Exposure time	hours	4	(1)
CF	Conversion Factor	mg/µg	1.0E-03	--
AT_c	Averaging time for carcinogenic effects	days	25,550	(2)
AT_{nc}	Averaging time for noncarcinogenic effects	days	365	(2)

Notes:

-- = Not applicable

mg/µg = Milligram per microgram

= Assumes construction worker will be potentially exposed to *volatile chemicals* via outdoor inhalation while working in a trench during construction activities.

Source:

(1) Virginia Department of Environmental Quality (VDEQ), 2020. Virginia Unified Risk Assessment Model – VURAM User Guide for Risk Assessors. Updated June 2020.

(2) CalEPA DTSC, 2019. Human Health Risk Assessment (HHRA) Note. HERO Note #1. Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. April 9.

TABLE E-4
TOXICITY CRITERIA
1766 El Camino Road
Burlingame, California

CAS Number	Chemical of Potential Concern	Criteria Based on Cancer Effects		Criteria Based on Noncancer Effects	
		IUR $(\mu g/m^3)^{-1}$	Source	RfC (mg/m^3)	Source
95-63-6	1,2,4-Trimethylbenzene	NC		6.0E-02	1i
107-06-2	1,2-Dichloroethane	2.6E-05	1i	7.0E-03	1p
108-67-8	1,3,5-Trimethylbenzene	NC		6.0E-02	1i
123-91-1	1,4-Dioxane	5.0E-06	1i	3.0E-02	1i
540-84-1	2,2,4-Trimethylpentane	NC		1.0E+00	2
78-93-3	2-Butanone (Methyl Ethyl Ketone)	NC		5.0E+00	1i
591-78-6	2-Hexanone	NC		3.0E-02	1i
67-63-0	2-Propanol	NC		2.0E-01	1p
622-96-8	4-Ethyltoluene	NC		4.0E-01	1i,m
108-10-1	4-Methyl-2-pentanone	NC		3.0E+00	1i
67-64-1	Acetone	NC		3.1E+01	1a
71-43-2	Benzene	2.9E-05	1o	3.0E-03	1o
75-15-0	Carbon disulfide	NC		7.0E-01	1i
56-23-5	Carbon tetrachloride	6.0E-06	1i	4.0E-02	1o
108-90-7	Chlorobenzene	NC		5.0E-02	1p
75-00-3	Chloroethane	NC		1.0E+01	3p
67-66-3	Chloroform	2.3E-05	1i	9.8E-02	1a
74-87-3	Chloromethane	NC		9.0E-02	1i
156-59-2	cis-1,2-Dichloroethene	NC		8.0E-03	1i,r
110-82-7	Cyclohexane	NC		6.0E+00	1i
64-17-5	Ethanol	NC		2.0E-01	1p,t
100-41-4	Ethylbenzene	2.5E-06	1o	1.0E+00	1i
75-69-4	Freon 11 (Trichlorofluoromethane)	NC		1.2E+00	1i,r
76-13-1	Freon 113	NC		5.0E+00	1p
75-71-8	Freon 12 (Dichlorodifluoromethane)	NC		1.0E-01	1p
142-82-5	Heptane	NC		4.0E-01	1p
110-54-3	Hexane	NC		7.0E-01	1i
106-42-3	m,p-Xylene	NC		1.0E-01	1i,l
1634-04-4	Methyl tert-butyl ether (MTBE)	2.6E-07	1o	3.0E+00	1i
75-09-2	Methylene chloride	1.0E-06	1o	4.0E-01	1o
95-47-6	o-Xylene	NC		1.0E-01	1i
103-65-1	Propylbenzene	NC		1.0E+00	1p
100-42-5	Styrene	NC		9.0E-01	1o
127-18-4	Tetrachloroethene (PCE)	6.1E-06	1o	4.0E-02	1i
108-88-3	Toluene	NC		3.0E-01	1o
79-01-6	Trichloroethene (TCE)	4.1E-06	1i	2.0E-03	1i
75-01-4	Vinyl Chloride	7.8E-05	1o	1.0E-01	1i

TABLE E-4
TOXICITY CRITERIA
1766 El Camino Road
Burlingame, California

Table Notes:

IUR - inhalation unit risk

RfC - reference concentration

NC - not considered to be a carcinogen via this route

NA - not available; route-specific toxicity value for this chemical is not available

a - Agency for Toxic Substances and Disease Registry (ATSDR)

i - USEPA's Integrated Risk Information System (IRIS)

l - Surrogate value - assumes toxicity for m-xylene

m - Surrogate value - assumes toxicity for cumene

o - Office of Environmental Health Hazard Assessment (OEHHA)

p - Provisional peer-reviewed toxicity value (PPRTV)

r - Route-to-route extrapolation

t - Surrogate value - assumes toxicity for 2-propanol

Sources:

(1) CalEPA DTSC, 2019. Human Health Risk Assessment (HHRA) Note Number 10. Toxicity Criteria. February 25.
And/or CalEPA 2020. HHRA Note Number 3. DTSC-modified Screening Levels (DTSC-SLs). June.

(2) TPHCWG, 1997. Development of Fraction Specific Reference Doses (RfDs) and Reference Concentrations (RfCs) for TPH.

(3) USEPA, 2021. Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites. November.

(4) SFRWQCB, 2019. Environmental Screening Levels (ESLs). January.

(5) CalEPA DTSC, 2020. Human Health Risk Assessment (HHRA) Note Number 3. DTSC-modified Screening Levels (DTSC-SLs). June.

TABLE E-5
SUMMARY OF EXCESS LIFETIME CANCER RISK AND NONCANCER HAZARD
SOIL VAPOR IN TRENCH
FUTURE CONSTRUCTION WORKER
1766 El Camino Road
Burlingame, California

CAS Number	Chemical of Potential Concern	Maximum EPC_{SV} ($\mu g/m^3$)	VF_{SV-OA} ($\mu g//m^3$ per $\mu g//m^3$)	ECc (mg/m^3)	IUR $(\mu g/m^3)^{-1}$	**Cancer Risk**	ECnc (mg/m^3)	RfC (mg/m^3)	**Noncancer Hazard**
95-63-6	1,2,4-Trimethylbenzene	1.6E+00	2.9E-02	3.8E-05	NC	--	2.6E-06	6.0E-02	**4E-05**
107-06-2	1,2-Dichloroethane	2.1E+01	4.1E-02	7.0E-04	2.6E-05	**2E-08**	4.9E-05	7.0E-03	**7E-03**
108-67-8	1,3,5-Trimethylbenzene	6.4E-01	2.9E-02	1.5E-05	NC	--	1.0E-06	6.0E-02	**2E-05**
123-91-1	1,4-Dioxane	8.4E-01	4.1E-02	2.8E-05	5.0E-06	**1E-10**	2.0E-06	3.0E-02	**7E-05**
540-84-1	2,2,4-Trimethylpentane	1.8E+03	2.7E-02	4.0E-02	NC	--	2.8E-03	1.0E+00	**3E-03**
78-93-3	2-Butanone (Methyl Ethyl Ketone)	1.6E+01	4.3E-02	5.7E-04	NC	--	4.0E-05	5.0E+00	**8E-06**
591-78-6	2-Hexanone	5.0E-01	3.3E-02	1.4E-05	NC	--	9.5E-07	3.0E-02	**3E-05**
67-63-0	2-Propanol	3.5E+01	4.9E-02	1.4E-03	NC	--	9.8E-05	2.0E-01	**5E-04**
622-96-8	4-Ethyltoluene	2.2E+00	2.9E-02	5.1E-05	NC	--	3.6E-06	4.0E-01	**9E-06**
108-10-1	4-Methyl-2-pentanone	7.6E+00	3.3E-02	2.0E-04	NC	--	1.4E-05	3.0E+00	**5E-06**
67-64-1	Acetone	2.7E+02	5.0E-02	1.1E-02	NC	--	7.7E-04	3.1E+01	**2E-05**
71-43-2	Benzene	2.0E+02	4.2E-02	6.9E-03	2.9E-05	**2E-07**	4.8E-04	3.0E-03	**2E-01**
75-15-0	Carbon Disulfide	1.0E+02	5.0E-02	4.1E-03	NC	--	2.9E-04	7.0E-01	**4E-04**
56-23-5	Carbon Tetrachloride	2.0E+01	2.7E-02	4.4E-04	6.0E-06	**3E-09**	3.1E-05	4.0E-02	**8E-04**
108-90-7	Chlorobenzene	1.4E-01	3.4E-02	3.9E-06	NC	--	2.7E-07	5.0E-02	**5E-06**
75-00-3	Chloroethane	2.3E-01	4.9E-02	9.2E-06	NC	--	6.5E-07	1.0E+01	**6E-08**
67-66-3	Chloroform	4.8E+01	3.6E-02	1.4E-03	2.3E-05	**3E-08**	1.0E-04	9.8E-02	**1E-03**
74-87-3	Chloromethane	4.2E+00	5.9E-02	2.0E-04	NC	--	1.4E-05	9.0E-02	**2E-04**
156-59-2	cis-1,2-Dichloroethene	4.4E+00	4.2E-02	1.5E-04	NC	--	1.1E-05	8.0E-03	**1E-03**
110-82-7	Cyclohexane	2.8E+03	3.8E-02	8.7E-02	NC	--	6.1E-03	6.0E+00	**1E-03**
64-17-5	Ethanol	5.1E+01	7.5E-02	3.1E-03	NC	--	2.2E-04	2.0E-01	**1E-03**
100-41-4	Ethyl Benzene	1.8E+01	3.2E-02	4.8E-04	2.5E-06	**1E-09**	3.3E-05	1.0E+00	**3E-05**
75-69-4	Freon 11	1.4E+01	3.1E-02	3.5E-04	NC	--	2.5E-05	1.2E+00	**2E-05**
76-13-1	Freon 113	1.9E+01	1.8E-02	2.8E-04	NC	--	1.9E-05	5.0E+00	**4E-06**
75-71-8	Freon 12	3.8E+00	3.6E-02	1.1E-04	NC	--	7.8E-06	1.0E-01	**8E-05**
142-82-5	Heptane	6.6E+02	3.1E-02	1.7E-02	NC	--	1.2E-03	4.0E-01	**3E-03**
110-54-3	Hexane	2.7E+03	3.5E-02	7.6E-02	NC	--	5.3E-03	7.0E-01	**8E-03**
106-42-3	m,p-Xylene	4.2E+01	3.2E-02	1.1E-03	NC	--	7.8E-05	1.0E-01	**8E-04**
75-09-2	Methylene Chloride	6.3E+01	4.7E-02	2.4E-03	1.0E-06	**2E-09**	1.7E-04	4.0E-01	**4E-04**
95-47-6	o-Xylene	1.2E+01	3.3E-02	3.2E-04	NC	--	2.2E-05	1.0E-01	**2E-04**
103-65-1	Propylbenzene	4.2E-01	2.9E-02	9.8E-06	NC	--	6.8E-07	1.0E+00	**7E-07**
100-42-5	Styrene	3.6E-01	3.4E-02	9.9E-06	NC	--	6.9E-07	9.0E-01	**8E-07**
127-18-4	Tetrachloroethene	4.5E+02	2.4E-02	8.8E-03	6.1E-06	**5E-08**	6.1E-04	4.0E-02	**2E-02**
108-88-3	Toluene	1.9E+02	3.7E-02	5.7E-03	NC	--	4.0E-04	3.0E-01	**1E-03**
79-01-6	Trichloroethene	1.6E+01	3.3E-02	4.2E-04	4.1E-06	**2E-09**	3.0E-05	2.0E-03	**1E-02**
75-01-4	Vinyl Chloride	7.2E-01	5.1E-02	3.0E-05	7.8E-05	**2E-09**	2.1E-06	1.0E-01	**2E-05**
					Cumulative Risk =	**3E-07**	**Cumulative Hazard =**		**2E-01**

Notes:

" VF_{SV-OA} " soil vapor-to-outdoor air volatilization factor (unitless). See **Table E-1**

Risk and Hazard Equations:

EC = Chronic Exposure Concentratoin of Soil Vapor COPCs in Air

$EC_C = EPC_{SV} \times VF_{SV-OA} \times EF \times ED \times ET_{inh} \times (1/ATc)$ Exposure Concentration, cancer

$EC_{NC} = EPC_{SV} \times VF_{SV-OA} \times EF \times ED \times ET_{inh} \times CF \times (1/ATn)$ Exposure Concentration, noncancer

where:

--	RfC = Reference Concentration	mg/m^3
--	IUR = Inhalation Unit Risk	$(\mu g/m^3)^{-1}$
125	EF = Exposure Frequency	days/year
1	ED = Exposure Duration	years
0.001	CF = Conversion Factor - µg to mg	mg/µg
365	ATn = Averaging Time (noncancer)	days
25550	ATc = Averaging Time (cancer)	days
0.167	ET = Exposure Time	4 hours

$$VF_{SV-OA} = \frac{EPC_{SV}}{EPC_{SV-OA}} \qquad EPC_{SV-OA} = \frac{EPC_{SV}}{VF_{SV-OA}} \qquad VF_{SV-OA} = \left(\frac{D_{air} \times \theta_a^{3.33} \times A \times F \times CF1 \times 3600}{L_d \times ACH \times V \times \theta_T^{2} \times CF2}\right)$$

where:

" EPC_{SV-OA} " EPC in outdoor air from soil vapor

" EPC_{SV} " soil vapor (SV) exposure point concentration

--	$\mathbf{D_{air}}$ = Diffusivity in Air (cm^2/s), COPC-specific
0.43	$\boldsymbol{\theta_T}$ = Total soil porosity
0.28	$\boldsymbol{\theta_a}$ = Air-filled soil porosity
0.15	$\boldsymbol{\theta_w}$ = Water-filled soil porosity
2.23	**A** = area of the excavation, (2.23 m^2); assumes 2.44 meters long by 0.91 meter (8 ft x 3 ft) wide
1	**F** = fraction of floor through which COPC can enter (1, dimensionless)
10,000	**CF1** = units conversion factor (10,000 cm^2/m^2)
3600	**3600** = units conversion factor (s/hour)
1	$\mathbf{L_d}$ = distance between trench bottom and groundwater assumed to be 1 cm
2	**ACH** = air change per hour (hr-1)
6.80	**V** = volume of the excavation, (6.8 m^3); assumes 2.44 m x 0.91 m x 3.05 m (8 ft x 3 ft x 10 ft)
1,000,000	**CF2** = units conversion factor (1,000,000 cm^3/m^3)

TABLE E-6
SUMMARY OF EXCESS LIFETIME CANCER RISK AND NONCANCER HAZARD
GROUNDWATER VAPORS IN A TRENCH
FUTURE CONSTRUCTION WORKER
1766 El Camino Road
Burlingame, California

CAS Number	Chemical of Potential Concern	VF_{GW-OA} (L/m^3)	Maximum EPC_{GW} µg/L	ECc (mg/m^3)	IUR $(\mu g/m^3)^{-1}$	**Cancer Risk**	ECnc (mg/m^3)	RfC (mg/m^3)	**Noncancer Hazard**
1634-04-4	Methyl tert-butyl ether (MTBE)	6.5E+00	7.8E+01	4.1E-01	2.6E-07	**1E-07**	2.9E-02	3.0E+00	**1E-02**
127-18-4	Tetrachloroethene (PCE)	5.2E+00	6.4E+00	2.7E-02	6.1E-06	**2E-07**	1.9E-03	4.0E-02	**5E-02**
					Cumulative Risk =	**3E-07**		**Cumulative Hazard =**	**6E-02**

Notes:

" VF_{GW-OA} " volatilization factor from groundwater to outdoor air. See **Table E-2**

Risk and Hazard Equations:

EC = Chronic Exposure Concentratoin of Groundwater COPCs in Air

$EC_C = EPC_{GW} \times VF_{GW-OA} \times EF \times ED \times ET_{inh} \times (1/ATc)$ Exposure Concentration, cancer

$EC_{NC} = EPC_{GW} \times VF_{GW-OA} \times EF \times ED \times ET_{inh} \times CF \times (1/ATn)$ Exposure Concentration, noncancer

where:

--	RfC = Reference Concentration	mg/m^3
--	IUR = Inhalation Unit Risk	$(\mu g/m^3)^{-1}$
125	EF = Exposure Frequency	days/year
1	ED = Exposure Duration	years
0.001	CF = Conversion Factor - µg to mg	mg/µg
365	ATn = Averaging Time (noncancer)	days
25550	ATc = Averaging Time (cancer)	days
0.167	ET = Exposure Time	4 hours

Appendix D
TIA and Transportation Analysis Update

HEXAGON TRANSPORTATION CONSULTANTS, INC.

1766 El Camino Real Mixed-Use Development

Transportation Impact Analysis

Prepared for:

ICF

June 22, 2020

Hexagon Transportation Consultants, Inc.
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Phone: 408.971.6100
Hexagon Job Number: 20GB08
Client Name: ICF

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Executive Summary

This study was conducted for the purpose of identifying the potential transportation impacts related to the proposed residential development at 1766 El Camino Real in Burlingame, California. The project proposes to develop the 1.70-acre site with 60 residential units, 7,588 square feet of retail space, 148,057 square feet of office space, and a below-grade parking garage. Vehicle access to the proposed surface parking spaces and below-grade parking garage would be provided via the existing driveways (a full-access driveway on California Drive and a right-turn-only driveway on the El Camino Real frontage road). Because the El Camino Real frontage road is northbound only and can only be accessed via northbound El Camino Real, the driveway on the frontage road would be limited to right turn movements to and from the site. Additionally, a full-access driveway on Trousdale Drive would provide access to a passenger loading area for the residential use.

The potential impacts of the project were evaluated in accordance with the standards set forth by the City of Burlingame, the City of Millbrae, and the City/County Association of Governments (C/CAG) of San Mateo County Congestion Management Program (CMP). The study includes an analysis of AM and PM peak-hour traffic conditions during weekday commute periods at 14 study intersections in the vicinity of the project site. Potential impacts to pedestrians, bicycles, and transit were also considered.

Based on trip generation rates recommended by the Institute of Transportation Engineers (ITE), it is estimated that the proposed project would generate 1,545 new daily trips, with 150 net trips during the AM peak hour and 169 net trips during the PM peak hour. The trip estimates account for the trip credits for the existing uses on-site and the trip reduction resulting from the proposed mixed of uses.

The results of the intersection level of service analysis under existing, background, and cumulative conditions, with and without the project, are summarized in Table ES-1. The results determined that under all scenarios with and without the project, most of the study intersections would operate in accordance with local standards during both AM and PM peak hours. The El Camino Real/Millbrae Avenue and California Avenue/Broadway intersections would operate at a substandard level of service. However, the addition of project trips would not have a significant impact on traffic operations at the intersections.

The Project ‘s transportation impact on vehicles miles traveled (VMT) was evaluated based on the CEQA Guidelines published by Governor’s Office of Planning and Research (OPR). According to CEQA Guidelines, projects within one-half mile of either an existing major transit stop or a stop along an existing high-quality transit corridor should be presumed to cause a less than significant transportation impact. The project is located within a half mile of the Millbrae Station, which is a major transit stop. Therefore, the project is expected to have a less-than-significant impact on vehicles miles travelled.

This report also makes the following conclusions and recommendations for the project:

- Based on the estimated peak-hour volumes and the level of service analysis at the California Avenue/Trousdale Drive intersection, the eastbound movement delay on Trousdale Drive can be improved by installation of all-way stop signs or a traffic signal at the intersection. Because the level of service deficiency would occur under cumulative conditions, the project should pay a pro-rated share of the cost of the intersection improvement. It should be noted that due to the regional shelter-in-place orders, new traffic counts and field observations cannot be conducted to identify whether there are traffic operational issues at the intersection. Therefore, the need for intersection improvement or modification of traffic control at the intersection should be evaluated further when actual traffic counts and field observations can be made.
- At the driveway on the El Camino Real frontage road, the project should provide a 20-foot long flat area between the sidewalk and the parking garage access ramp so exiting vehicles can see pedestrians on the sidewalk.
- Signs prohibiting parking during garbage pickup hours should be placed adjacent to the proposed staging areas on Trousdale Drive and the El Camino Real frontage road. The trash bins should be removed from the public right-of-way immediately after garbage pickup as to not impact AM or PM peak-hour traffic conditions.
- To encourage bicycling by employees, it is recommended the project provide secured bicycle parking for employees within the building or provide convenient access for employees to access the bicycle parking room for the residential use.
- The project should provide at least 3 short-term bicycle spaces for residential guests in bicycle racks. To encourage bicycling by retail patrons and office visitors, it is recommended the project provide additional bicycle racks at several locations near entrances of the building.
- The project should encourage employees or residents to use the stacked spaces, thus allowing non-mechanical parking spaces within the garage to be available to retail customers. The project should also designate some non-mechanical parking spaces in the upper level of the parking garage for retail customers.
- The project requires City approval for any reduction in on-site vehicle parking spaces with a TDM plan that would achieve an alternative transportation mode share of 25 percent or greater.

Table ES-1
Intersection Level of Service Summary

#	Intersection	LOS Standard	Peak Hour	Existing						Background						Cumulative (2040)					
				No Project		With Project				No Project		With Project				No Project		With Project			
				Avg. Delay (sec)	LOS	Avg. Delay (sec)	LOS	Incr. in Delay (sec)		Avg. Delay (sec)	LOS	Avg. Delay (sec)	LOS	Incr. in Delay (sec)		Avg. Delay (sec)	LOS	Avg. Delay (sec)	LOS	Incr. in Delay (sec)	
1	US 101 NB Ramps & Millbrae Ave	D	AM	9.1	A	9.2	A	0.1		10.6	B	10.7	B	0.1		11.2	B	11.3	B	0.1	
			PM	6.2	A	6.3	A	0.1		7.0	A	7.0	A	0.0		7.0	A	7.0	A	0.0	
2	US 101 SB Ramps & Millbrae Ave	D	AM	11.6	B	11.9	B	0.3		14.0	B	14.3	B	0.3		14.6	B	15.0	B	0.4	
			PM	8.7	A	8.8	A	0.1		10.5	B	10.7	B	0.2		11.8	B	12.1	B	0.3	
3	Rollins Rd & Millbrae Ave	D	AM	20.4	C	20.5	C	0.1		35.2	D	35.2	D	0.0		35.2	D	35.2	D	0.0	
			PM	27.0	C	27.1	C	0.1		42.9	D	43.2	D	0.3		43.3	D	43.7	D	0.4	
4	El Camino Real & Millbrae Ave (CMP)	E	AM	75.4	E	75.5	E	0.1		**101.6**	**F**	**101.9**	**F**	0.3		**119.9**	**F**	**>120**	**F**	0.5	
			PM	74.8	E	75.4	E	0.6		**92.0**	**F**	**95.8**	**F**	3.8		**102.8**	**F**	**106.5**	**F**	3.7	
5	California Dr & Murchison Dr[1]	None	AM	14.5	B	15.2	C	-		16.0	C	16.8	C	-		17.0	C	18.0	C	-	
			PM	17.4	C	18.8	C	-		22.6	C	25.4	D	-		22.6	C	25.4	D	-	
6	El Camino Real & Murchison Dr	D	AM	21.2	C	22.0	C	0.8		25.1	C	26.1	C	1.0		26.5	C	27.6	C	1.1	
			PM	25.4	C	26.9	C	1.5		31.1	C	33.5	C	2.4		31.8	C	34.1	C	2.3	
7	California Dr & Trousdale Dr[1, 2]	None	AM	25.8	D	30.9	D	-		27.0	D	32.5	D	-		38.6	E	50.0	E	-	
			PM	29.2	D	34.5	D	-		33.9	D	41.3	E	-		46.1	E	58.2	F	-	
8	El Camino Real & Trousdale Dr	D	AM	20.5	C	21.2	C	0.7		21.3	C	22.0	C	0.7		24.5	C	25.6	C	1.1	
			PM	23.0	C	24.6	C	1.6		24.8	C	26.5	C	1.7		32.5	C	35.1	D	2.6	
9	El Camino Real & Broadway (CMP)[3]	E	AM	13.6	B	13.6	B	0.0		14.9	B	14.9	B	0.0		17.7	B	18.1	B	0.4	
			PM	12.4	B	12.5	B	0.1		13.5	B	13.6	B	0.1		27.1	C	28.9	C	1.8	
10	California Drive & Broadway[4]	D	AM	51.9	D	53.8	D	1.9		55.0	D	56.7	E	1.7		39.6	D	40.3	D	0.7	
			PM	51.0	D	51.7	D	0.7		**85.3**	**F**	**86.6**	**F**	1.3		50.6	D	51.6	D	1.0	
11	Rollins Road & Broadway	D	AM	21.1	C	21.1	C	0.0		24.8	C	24.8	C	0.0		25.4	C	25.4	C	0.0	
			PM	20.4	C	20.5	C	0.1		23.8	C	24.0	C	0.2		25.1	C	25.2	C	0.1	
12	US 101 SB Ramps & Broadway[3]	D	AM	28.6	B	29.1	B	0.5		33.5	B	34.2	B	0.7		33.5	B	34.2	B	0.7	
			PM	23.1	B	23.3	B	0.2		24.4	B	24.5	B	0.1		41.4	C	42.2	C	0.8	
13	Old Bayshore Hwy & Broadway	D	AM	14.9	B	14.9	B	0.0		19.2	B	19.2	B	0.0		20.3	C	20.3	C	0.0	
			PM	18.3	B	18.4	B	0.1		21.5	C	21.6	C	0.1		28.0	C	28.3	C	0.3	
14	Old Bayshore Hwy & US 101 NB Ramps	D	AM	21.3	C	21.5	C	0.2		25.6	C	25.9	C	0.3		25.6	C	25.9	C	0.3	
			PM	19.2	B	19.2	B	0.0		23.2	C	23.3	C	0.1		23.6	C	23.8	C	0.2	

Notes:
1. Denotes a two-way stop-controlled intersection. Worst leg delay is reported.
2. Recent counts were not available. Volumes were extrapolated from nearby intersections.
3. HCM 2000 average delay is reported.
4. Traffic signal improvement is assumed to account for the Caltrain grade separation project
Bold indicates a substandard level of service.

1. Introduction

This report presents the results of the transportation impact analysis (TIA) conducted for the proposed mixed-use development at 1766 El Camino Real in Burlingame, California. The project site is located at the southeast corner of the El Camino Real and Trousdale Drive intersection (see Figure 1) and is located within the North Burlingame Mixed-Use (NBMU) Zoning District in Burlingame. The project proposes to develop the 1.70-acre site with 60 residential units, 7,588 square feet of retail space, 148,057 square feet of office space, and a below-grade parking garage. The site is currently developed with a mixed-use building with 23,500 square feet of office space and 9,500 square feet of museum space with a surface parking lot. The existing buildings would be demolished as part of the project. Vehicles access to the proposed surface parking spaces and below-grade parking garage would be provided via the existing driveways (a full-access driveway on California Drive and a right-turn-only driveway on the El Camino Real frontage road) (see Figure 2). Because the El Camino Real frontage road is northbound only and can only be accessed via northbound El Camino Real, the driveway on the frontage road would be limited to right turn movements to and from the site. Additionally, a full-access driveway on Trousdale Drive would provide access to a passenger loading area for the residential use.

Scope of Study

This study was conducted for the purpose of identifying the potential transportation impacts related to the proposed development. The potential impacts of the project were evaluated in accordance with the standards set forth by the City of Burlingame, the City of Millbrae, and the San Mateo City/County Association of Governments (C/CAG) of San Mateo County. C/CAG is a Joint Powers Authority that plans, funds and delivers transportation programs and projects in San Mateo County. C/CAG administers the San Mateo County Congestion Management Program (CMP).

The study analyzes the traffic impacts of the project on the key intersections in the vicinity of the site during the weekday AM and PM peak hours of commute traffic. A signal warrant analysis was prepared to determine the need for signalization at the unsignalized study intersections. An analysis of vehicle queuing, site access and on-site circulation, parking, and transit, bicycle, and pedestrian access is also included. Given that the project is expected to generate more than 100 peak hour trips, a C/CAG trip reduction analysis and a freeway segment capacity evaluation were prepared. Additionally, the study also includes a vehicle miles traveled (VMT) analysis.

Traffic conditions were evaluated for the following 14 intersection in the vicinity of the project site (see Figure1). The study intersections include 12 signalized intersections and two unsignalized intersections. Two of the signalized intersections are designated as CMP intersections.

Figure 1
Site Location and Study Intersections

NORTH
Not to Scale

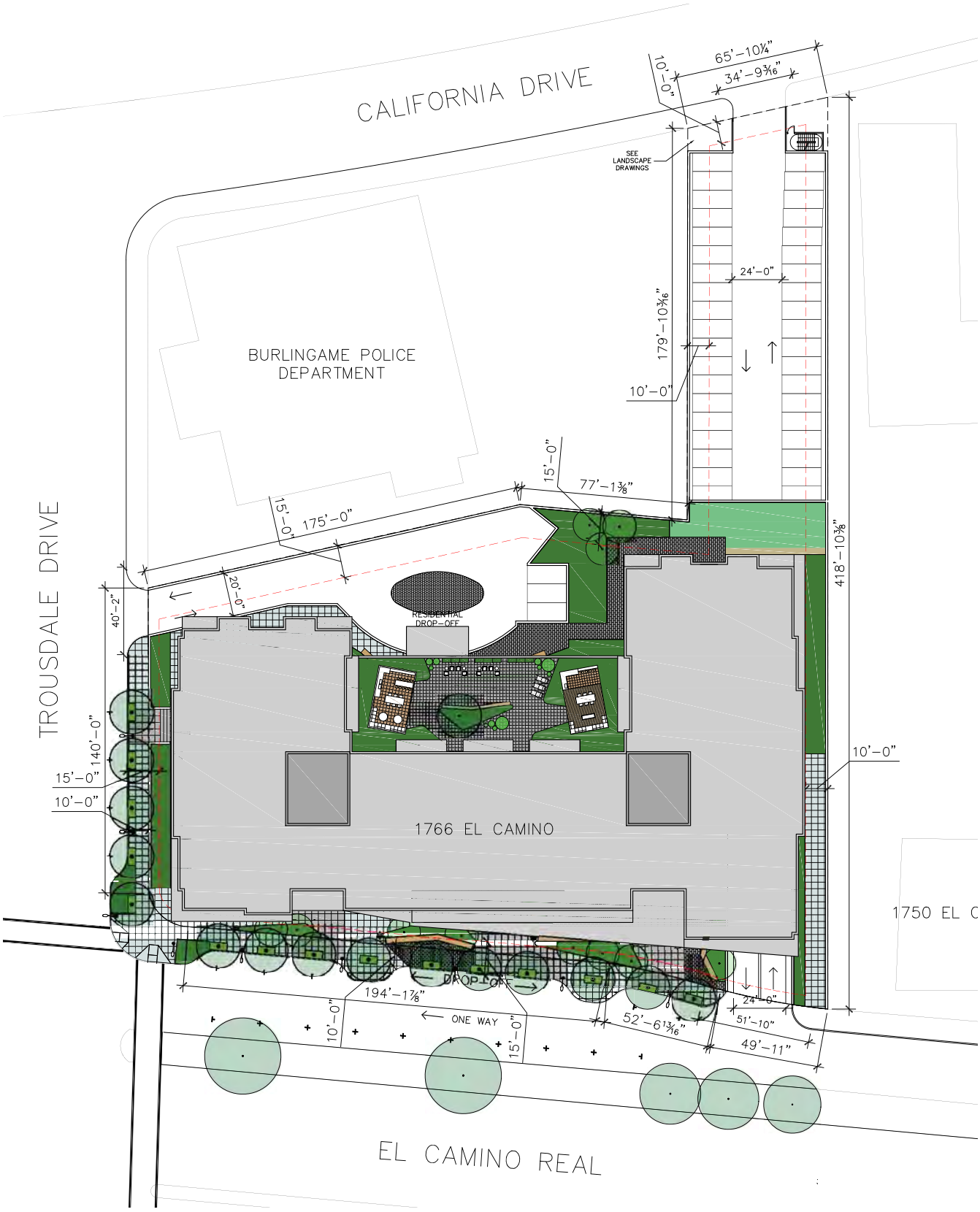


Figure 2
Site Plan

NORTH
Not to Scale

Millbrae Intersections

1. US 101 Northbound Ramps and Millbrae Avenue
2. US 101 Southbound Ramps and Millbrae Avenue
3. Rollins Road and Millbrae Avenue
4. El Camino Real and Millbrae Avenue (CMP)

Burlingame Intersections

5. California Drive and Murchison Drive (unsignalized)
6. El Camino Real and Murchison Drive
7. California Drive and Trousdale Drive (unsignalized)
8. El Camino Real and Trousdale Drive
9. El Camino Real and Broadway (CMP)
10. California Drive and Broadway
11. Rollins Road and Broadway
12. US 101 Southbound Ramps and Broadway
13. Old Bayshore Highway and Broadway
14. Old Bayshore Highway and US 101 Northbound Ramps

Traffic conditions at the study intersections were analyzed for the weekday AM and PM peak hours of adjacent street traffic. The AM peak hour typically occurs between 7:00 AM and 9:00 AM and the PM peak hour typically occurs between 4:00 PM and 6:00 PM on a regular weekday. It is during these periods that the most congested traffic conditions occur on the roadways.

Intersection traffic conditions were evaluated for the following scenarios:

- ***Existing Conditions.*** Existing traffic volumes at study intersections were estimated based on available traffic counts conducted for local traffic studies, EIRs, and the 2019 CMP monitoring report. Due to Covid-19 and regional shelter-in-place orders, new traffic counts cannot be collected for the study. Therefore, a growth rate of 1% per year was applied to the traffic counts that are more than two years old to estimate the traffic volumes for existing conditions. Traffic volumes for the study intersections without available count data were extrapolated from the traffic volumes of the adjacent study intersections. The study intersections were evaluated with a level of service analysis using Synchro software in accordance with the *2010 Highway Capacity Manual* methodology.
- ***Existing Plus Project Conditions.*** Existing traffic volumes with the project were estimated by adding to existing traffic volumes the additional traffic generated by the project. Existing plus project conditions were evaluated relative to existing conditions in order to determine the effects the project would have on the existing roadway network.
- ***Background Conditions*.** Background traffic volumes reflect traffic added by projected volumes from approved but not yet completed developments in the project area. The approved project trips and/or approved project information were obtained from the Cities of Burlingame and Millbrae.
- ***Background Plus Project Conditions.*** Background plus project traffic volumes were estimated by adding to background traffic volumes the additional traffic generated by the project. Project Conditions were evaluated relative to background conditions to determine potential project impacts.
- ***Cumulative Conditions.*** Cumulative traffic volumes represent traffic growth through the year 2040. Cumulative traffic volumes were obtained from the 2040 Burlingame General Plan. Study intersections not included in the general plan were estimated based on the closest nearby

intersection. Cumulative plus project conditions were evaluated relative to cumulative conditions to determine potential project impacts.

Methodology

This section presents the methods used to determine traffic conditions at the study intersections and the traffic impacts of the project. It includes descriptions of the data requirements, the analysis methodologies, and the applicable level of service standards.

Data Requirements

The data required for the analysis were obtained from local traffic studies and EIRs and the City of Burlingame. The following data were collected from these sources.

- Peak-hour intersection turning-movement volumes
- Lane configurations
- Intersection signal timing and phasing
- List of approved projects

Intersection Level of Service Methodologies and Standards

Traffic conditions at the study intersections were evaluated using level of service (LOS). Level of service is a qualitative description of operating conditions ranging from LOS A, or free-flow conditions with little or no delay, to LOS F, or jammed conditions with excessive delays.

Signalized Intersections

The Cities of Burlingame and Millbrae evaluate level of service at signalized intersections based on the *Highway Capacity Manual (HCM) 2010* level of service methodology. The 2010 HCM method evaluates signalized intersection operations on the basis of average control delay time for all vehicles at the intersection. This average delay can then be correlated to a level of service. Table 1 presents the level of service definitions and the correlation between delay and level of service for signalized intersections. This study utilizes Synchro software to determine intersection levels of service based on the HCM method

Traffic operations at the study intersections were evaluated against the standards of the applicable municipality, while the two CMP intersections were evaluated against the standards of the C/CAG CMP. While the City of Burlingame does not have a Council-adopted level of service threshold, a standard of LOS D or better has typically been applied in local traffic studies and EIRs. The City of Millbrae seeks to maintain LOS D for signalized intersections, except for CMP intersections where LOS E is acceptable. The C/CAG has developed a LOS standard of E for CMP intersections on El Camino Real (SR 82). Therefore, for the study, the LOS E standard is applied to the El Camino Real/Millbrae Avenue and El Camino Real/Broadway CMP intersections, while the LOS D standard is applied to the remaining signalized study intersections.

Table 1
Signalized Intersection Level of Service Definitions Based on Average Control Delay

Level of Service	Description	Average Control Delay Per Vehicle (sec.)
A	Signal progression is extremely favorable. Most vehicles arrive during the green phase and do not stop at all. Short cycle lengths may also contribute to the very low vehicle delay.	10.0 or less
B	Operations characterized by good signal progression and/or short cycle lengths. More vehicles stop than with LOS A, causing higher levels of average vehicle delay.	10.1 to 20.0
C	Higher delays may result from fair signal progression and/or longer cycle lengths. Individual cycle failures may begin to appear at this level. The number of vehicles stopping is significant, though some vehicles may still pass through the intersection without stopping.	20.1 to 35.0
D	The influence of congestion becomes more noticeable. Longer delays may result from some combination of unfavorable signal progression, long cycle lengths, or high volume-to-capacity (V/C) ratios. Many vehicles stop and individual cycle failures are noticeable.	35.1 to 55.0
E	This is considered to be the limit of acceptable delay. These high delay values generally indicate poor signal progression, long cycle lengths, and high volume-to-capacity (V/C) ratios. Individual cycle failures occur frequently.	55.1 to 80.0
F	This level of delay is considered unacceptable by most drivers. This condition often occurs with oversaturation, that is, when arrival flow rates exceed the capacity of the intersection. Poor progression and long cycle lengths may also be major contributing causes of such delay levels.	greater than 80.0

Source: Transportation Research Board, *2010 Highway Capacity Manual* (Washington, D.C., 2010), p.10-16.

Unsignalized Intersections

The study evaluated two unsignalized study intersections in the City of Burlingame. Level of service analysis at unsignalized intersections is generally used to determine the need for modification in the type of intersection control (i.e., all-way stop or signalization). As part of the evaluation, traffic volumes, delays, and traffic signal warrants are evaluated to determine if the existing intersection control is appropriate.

Levels of service for unsignalized intersections were analyzed using Synchro software based on the 2010 HCM methodology for unsignalized intersection. The 2010 HCM method evaluates unsignalized intersections on the basis of average stopped delay for all-way stop controlled intersections, and for the worst-case approach for two-way stop-controlled intersections. Table 2 shows the correlation between delay and level of service for unsignalized intersections.

The City of Burlingame does not have a formally-adopted level of service standard for unsignalized intersections.

Table 2
Unsignalized Intersection Level of Service Definitions Based on Average Delay

Level of Service	Description	Average Delay Per Vehicle (Sec.)
A	Little or no traffic delay	10.0 or less
B	Short traffic delays	10.1 to 15.0
C	Average traffic delays	15.1 to 25.0
D	Long traffic delays	25.1 to 35.0
E	Very long traffic delays	35.1 to 50.0
F	Extreme traffic delays	greater than 50.0

Source: Transportation Research Board, *2010 Highway Capacity Manual* (Washington, D.C., 2010) p17-2.

Traffic Signal Warrant

The level of service analysis for unsignalized intersections was supplemented with an assessment of the need for installation of a traffic signal, known as a signal warrant analysis. The need for signalization of unsignalized intersections in an urban or suburban context is typically assessed based on the Peak Hour Volume Warrant (Warrant 3) described in the *California Manual on Uniform Traffic Control Devices for Streets and Highways* (CA MUTCD), Part 4, Highway Traffic Signals. This method makes no evaluation of intersection level of service, but simply provides an indication whether vehicular peak-hour volumes are, or would be, sufficiently high to justify installation of a traffic signal. Additional analysis is recommended and may include unsignalized level of service analysis and/or operational analysis such as evaluating vehicle queuing and delay. Other types of traffic control devices, signage, or geometric changes may be preferable based on existing field conditions.

Intersection Vehicle Queuing

The analysis of intersection operations is typically supplemented with a vehicle queuing analysis at study intersections where the project would add a substantial number of vehicle trips to the left-turn movements. The analysis provides a basis for estimating future left-turn pocket storage requirements at the study intersections. The analysis is based on the 95th percentile queue length calculated by the Synchro software.

The 95th percentile queue length value indicates that during the peak hour, a queue of this length or less would occur on 95 percent of the signal cycles. Or, a queue length larger than the 95th percentile queue would only occur on 5 percent of the signal cycles (about one cycle during the peak hour for a signal with a 120-second cycle length). Therefore, left-turn storage pocket designs based on the 95th percentile queue length would ensure that storage space would be exceeded only 5 percent of the time. The 95th percentile queue length is also known as the “design queue length.”

VMT Analysis

Per California Senate Bill 743, the California Natural Resources Agency, with assistance from the Governor’s Office of Planning and Research (OPR), adopted new CEQA guidelines in December 2018. The new guidelines state that automobile delay, as measured by level of service (LOS), will no longer

constitute a significant environmental impact under CEQA, and that VMT is considered the most appropriate metric to evaluate a project's transportation impacts. Local agencies have until July 2020 to adopt the new policy that establishes the thresholds and procedures for evaluating transportation impacts based on VMT. Burlingame has not yet adopted any thresholds or guidelines related to VMT. Therefore, an evaluation of VMT for this project is presented for informational purposes only to aid decision makers during this transition period from LOS to VMT. It is not intended to provide any indication of the transportation impacts of the project under SB 743. The VMT evaluation is presented based on the OPR's CEQA Guidelines and Technical Advisory on Evaluating Transportation Impacts in CEQA (December 2018).

Significant Impact Criteria

Intersection Impact Criteria

The City of Burlingame does not have any Council-adopted definitions of significant traffic impacts. The following standards typically have been used in traffic studies and EIRs. The project is said to create a significant adverse impact on traffic conditions at a signalized intersection in the City of Burlingame if for any peak-hour:

1. The level of service at the intersection degrades from an acceptable LOS D or better to an unacceptable LOS E or F with the addition of project trips; or
2. The level of service at the intersection is an unacceptable LOS E or F under background conditions and the addition of project trips causes the average delay at the intersection to increase by five (5) or more seconds.

The City of Millbrae defines a significant impact at study intersections if any of the following happen with the addition of project trips:

1. Cause an intersection degrades from an acceptable LOS D or better to an unacceptable LOS E or F; or
2. Increase the average delay at a signalized intersection operating at an unacceptable level (LOS E or F) by five (5) or more seconds.

A significant impact typically is said to be satisfactorily mitigated when measures are implemented that would restore intersection level of service to background conditions or better.

CMP Signalized Intersection Impact Criteria

At a CMP signalized intersection in the County of San Mateo, a project is determined to create a significant adverse impact on traffic conditions if, during either the AM or PM peak hour:

1. The level of service at the intersection degrades from an acceptable LOS E or better to an unacceptable LOS F with the addition of project trips; or
2. The level of service at the intersection is an unacceptable LOS F under cumulative with project conditions and the addition of project trips causes the average delay at the intersection to increase by four (4) or more seconds

A significant impact by CMP standards is said to be satisfactorily mitigated when measures are implemented that would restore intersection conditions to "no project" conditions or better.

CMP Roadway Impact and Compliance

As the Congestion Management Agency (CMA) for San Mateo County, C/CAG is responsible for maintaining the performance and standards of the CMP roadway network. Per C/CAG technical guidelines, all new developments projected to add 100 or more net peak-hour trips are required to implement transportation demand management (TDM) measures in accordance with the C/CAG TDM checklist that would reduce project impacts. Additionally, a freeway segment level of service analysis is required when a project is expected to add trips greater than one percent of a segment's capacity. In the vicinity of the project site, roadway facilities that are part of the CMP network include US 101 and El Camino Real.

Report Organization

This report has a total of seven chapters. Chapter 2 describes the existing roadway network, transit services, and pedestrian and bicycle facilities. Chapter 3 presents the intersection levels of service under background conditions with the addition of traffic from approved developments in the Cities of Burlingame and Millbrae. Chapter 4 describes the method used to estimate project traffic, the intersection operations under existing plus project conditions and background pus project conditions, and potential project impacts on the roadway network. Chapter 5 presents the intersection levels of service under the cumulative plus project conditions, utilizing estimated traffic volumes from the City of Burlingame 2040 General Plan. Chapter 6 presents the VMT analysis and analysis of other transportation-related issues, including vehicle queuing analysis at selected intersections, traffic operations at unsignalized intersections, site access and on-site circulation, parking, and potential impacts on bicycle, pedestrian, and transit facilities. Chapter 7 shows the project's compliance with the C/CAG TDM checklist.

2. Existing Conditions

This chapter describes the existing conditions for transportation facilities in the vicinity of the site, including the roadway network, transit services, and pedestrian and bicycle facilities.

Existing Roadway Network

Regional access to the project site is provided via US 101. Local access to the site is provided on El Camino Real (SR 82), Millbrae Avenue, Broadway, California Drive, and Trousdale Drive. These roadways are described below. Although all streets in the study area run at a diagonal compared to the ordinal directions, for the purposes of this study, US 101 and all parallel streets are considered to run north-south, and cross streets are considered to run east-west.

US 101 is a north/south, eight-lane freeway in the vicinity of the site. US 101 extends northward through San Francisco and southward through San Jose. Access to and from the project study area is provided via a full interchange at Millbrae Avenue, northbound ramps at Old Bayshore Highway, and southbound ramps at Broadway.

El Camino Real (SR 82) is a north/south arterial that extends northward to San Francisco, and southward to San Jose. In the project vicinity, El Camino Real has six lanes north of Dufferin Avenue, with left turn lanes at signalized intersections. South of Dufferin Avenue, El Camino Real is narrowed to four lanes. The posted speed limit in the project area is 35 mph. In the project area, a northbound frontage road on El Camino Real runs along the project frontage and extends between Murchison Drive and Dufferin Avenue. Sidewalks are present along the east side of the frontage road and at the corners of the Trousdale Drive/ El Camino Real intersection in the project area. On-street parking is permitted on both sides of the frontage road along the project frontage. The frontage road provides direct access to the project's parking garage via an existing right-turn only driveway and a proposed passenger loading area along the project frontage.

Millbrae Avenue is an east/west arterial that extends westward from Old Bayshore Highway to Vallejo Drive and I-280, where it terminates. Millbrae Avenue connects the western residential areas of the City of Millbrae to the regional roadways, El Camino Real and US 101. Millbrae has six lanes between El Camino Real and US 101, with a median that provides left-turn pockets at the major intersections. The posted speed limit in the project area is 35 mph. Although there are sidewalks on both sides of Millbrae Avenue, the sidewalk on the north side terminates at the Chevron gas station, located just east of Millbrae Station. Access to the project site from Millbrae Avenue is provided via El Camino Real.

Broadway is an east/west arterial that extends westward from Old Bayshore Highway to Roosevelt Elementary School, where it terminates. In the project vicinity, Broadway has six lanes, with multiple left

turn lanes at major intersections. The posted speed limit in the project area is 35 mph. There are sidewalks on both sides of Broadway, with the exception of the south side on the overpass over US 101. Access to the project site from Broadway is provided via El Camino Real and California Drive.

California Drive is a north/south arterial that extends southward from Linden Avenue in Millbrae to Peninsula Avenue, where it becomes San Mateo Drive in San Mateo. In the project area, California Drive has two lanes with bike lanes on both sides of the street and sidewalks along the west side of the street. The posted speed limit in the project area is 35 mph. California Drive provides direct access to the site via an existing full-access driveway.

Trousdale Drive an east/west arterial that extends westward from California Drive to I-280. Trousdale Drive has four lanes west of El Camino Real and two lanes east of El Camino Real. The posted speed limit on Trousdale Drive west of El Camino Real is 35 mph. There are sidewalks on both sides of the street and on-street parking is permitted on both sides of the street between El Camino Real and California Drive. Trousdale Drive provides access to the project's proposed residential passenger loading area.

Existing Pedestrian Facilites

Pedestrian facilities consist of sidewalks, crosswalks, and pedestrian signals at signalized intersections. In the vicinity of the project site, sidewalks exist along both sides of Trousdale Drive, the west side of California Drive along the project frontage, and the east side of the El Camino Real frontage road along the project frontage. Crosswalks with pedestrian signal heads and push buttons are provided on the east, south, and west legs of the El Camino Real/Trousdale Drive intersection and all approaches of the El Camino Real/Murchison Drive and El Camino Real/Millbrae Avenue intersections within walking distance of the site. Within a typical walking distance (a half mile or 10 minutes), continuous pedestrian facilities are present between the site and the surrounding land uses, including the Millbrae Station and bus stops in the area.

Existing Bicycle Facilites

Bicycle facilities in the vicinity of the project site include bike/pedestrian paths, bike lanes, and bike routes. Bike/pedestrian paths (Class I facilities) are off-street paths with exclusive right-of-way for non-motorized transportation used for commuting as well as recreation. Bike lanes (Class II facilities) are lanes on roadways designated for use by bicycles with special lane markings, pavement legends, and signage. Bike routes (Class III) are existing rights-of-way that accommodate bicycles but are not separate from the existing travel lanes. The existing bicycle facilities within the study area are described below and are shown on Figure 3.

North-South bicycle connections in the study area consist of a bike lane/bike route along California Drive, from Burlingame Avenue to Linden Avenue where bicycle riders can access the Millbrae Station. Between Broadway and Murchison Drive, there are bike lanes on both sides of California Drive. A bike route also exists on El Camino Real, north of Millbrae Avenue. The bike lane/route along California Drive provides a connection to the project site from transit facilities and other points on interest in the area.

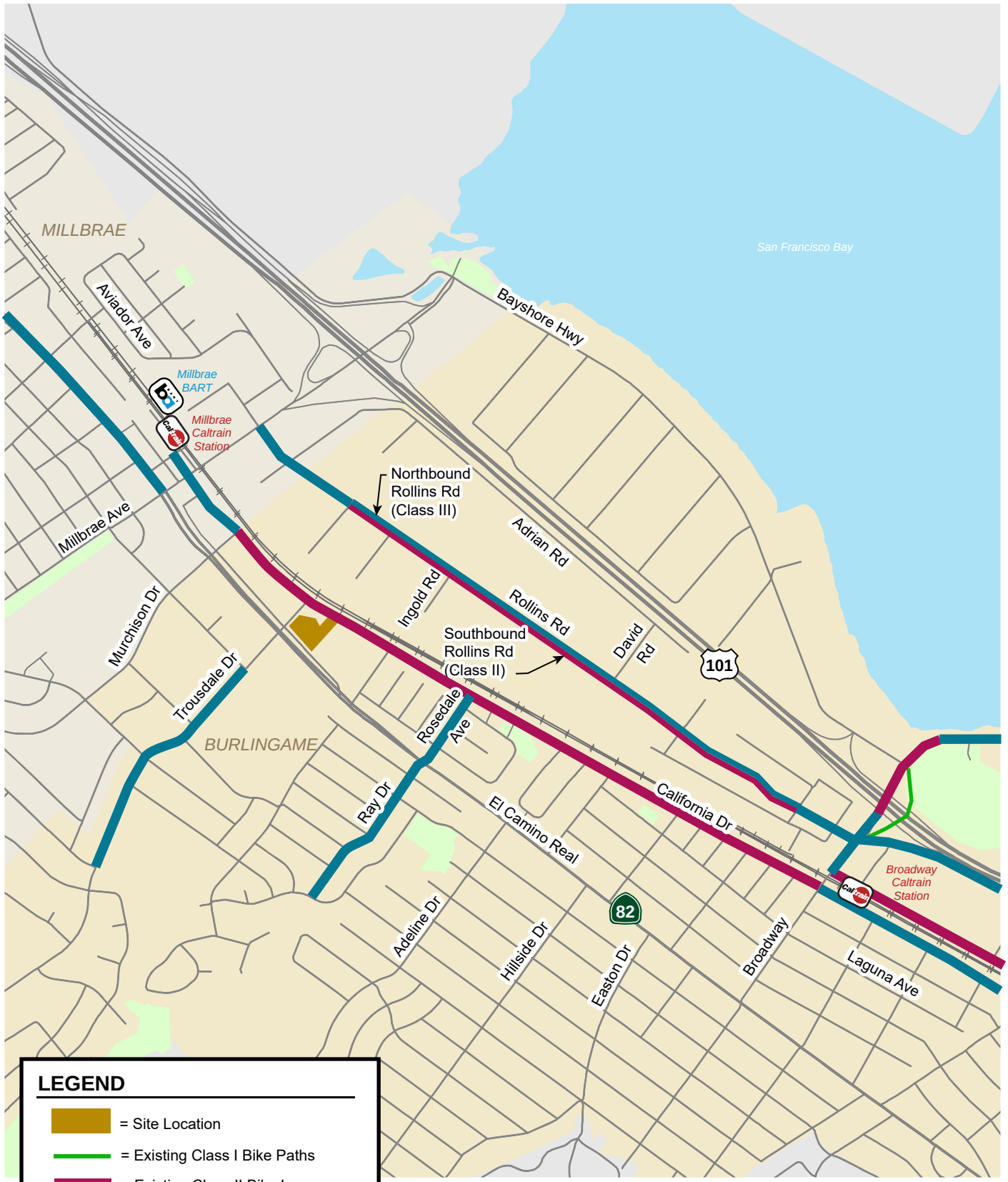


Figure 3
Existing Bicycle Facilities

East-West bicycle connections in the study area consist of a bike route along Broadway, from Carolan Avenue to where Broadway becomes Airport Boulevard. It begins as a bike route at Carolan Avenue and connects to the bike/pedestrian bridge over US 101 to Airport Boulevard. From Airport Boulevard, bicycle riders can connect to a bicycle/pedestrian path (the San Francisco Bay Trail) or a bike lane/bike route on Airport Way. The City also designated Trousdale Drive between Magnolia Avenue and Ashton Avenue and Rosedale Avenue/Ray Drive between California Drive and Devereux Drive as bike routes.

Existing Transit Services

Existing public transit services in the study area are provided by the San Mateo County Transit District (SamTrans), San Mateo County's Transportation Demand Management Agency (commute.org), Caltrain, and Bay Area Rapid Transit (BART). SamTrans operates bus services in San Mateo County; commute.org provides free fixed-route shuttle services between the Caltrain/Bart stations and corporate campuses or major employment areas during weekday commute hours; Caltrain provides commuter rail service along the San Francisco Peninsula, through the South Bay to San Jose and Gilroy; BART provides commuter rail service between the San Francisco Peninsula, Berkeley, Oakland, Fremont, Walnut Creek, Dublin/Pleasanton, and other cities in the East Bay.

The nearest bus stops are located on El Camino Real at the Trousdale Drive intersection, approximately 350 feet from the project site, which is served by SamTrans Routes ECR and 397. The project site is also within walking distance (0.5 mile) of the Millbrae multimodal transit station (Millbrae Station). The station is served by Caltrain baby bullet, limited, and local lines, BART Richmond-Millbrae line (Red) and Millbrae-SFO-Antioch line (Purple/Yellow), three SamTrans bus routes (ECR, 397, SFO), three shuttle routes (NB, BAY, NFC) operated by commute.org, and one shuttle route (MB) operated by Caltrain. The transit service routes that run through the study area and the bus/shuttle stops near the project site are summarized in Table 3 and shown on Figure 4.

Existing Lane Configurations and Traffic Volumes

The existing lane configurations at the study intersections were obtained from field observations (see Figure 5).

Existing peak-hour traffic volumes (see Table 6) at study intersections were estimated based on available traffic counts conducted for local traffic studies, EIRs, and the 2019 CMP monitoring report for the CMP intersections. Peak-hour traffic counts for ten study intersections were collected within two years, which are typically considered as recent traffic counts that can be used directly for a traffic study. Four of the study intersections do not have recent traffic counts. Due to Covid-19 and regional shelter-in-place orders, new traffic counts cannot be collected for these intersections. Therefore, a growth rate of 1% per year was applied to these traffic counts to estimate the existing traffic volumes. There are no traffic count data available for the California Drive/Trousdale Drive intersection. Therefore, the existing traffic volumes at the intersection were estimated based on the traffic volumes of the adjacent study intersections (California Drive/Murchison Drive and El Camino Real/Trousdale Drive). Traffic count dates and sources and the adjustment applied to the study intersections are summarized in Appendix A.

Table 3
Existing Transit Services

Transit Route	Route Description	Headway [1]	Nearest Stop and Distance to Project Site
SamTrans Bus Services			
SamTrans ECR	Daly City BART - Palo Alto Transit Center	15 mins	El Camino Real at Trousdale Drive, 350 feet
SamTrans 397	Palo Alto Transit Center - San Francisco	60 mins[2]	El Camino Real at Trousdale Drive, 350 feet
SamTrans SFO	Millbrae Station - San Francisco International Airport (SFO)	30 mins	Millbrae Station West Plaza, 2,300 feet
Shuttle Services[3]			
Millbrae/Broadway (MB)	Millbrae Station - Broadway Caltrain Station	30 mins	Millbrae Station West Plaza, 2,300 feet
North Burlingame (NB)	Millbrae Station - Burlingame Easton Neighborhood	30 mins	Mills-Peninsula Health Services at 1501 Trousdale Drive, 1,100 feet
Burlingame-Bayside Shuttle (Bay)	Millbrae Station - Airport Boulevard/Bay View Place Intersection	30 mins	Millbrae Station East Plaza, 3,000 feet
North Foster City Shuttle (NFC)	Millbrae Station - North Foster City business parks	30 mins	Millbrae Station East Plaza, 3,000 feet
Commuter Rail Services			
Caltrain	San Francisco - Gilroy	25 mins	Millbrae Station, 2,600 feet
Caltrain "Baby Bullet"	San Francisco - San Jose Tamien	30 mins	Millbrae Station, 2,600 feet
BART (Red)	Richmond - Millbrae	15 mins	Millbrae Station, 2,600 feet
BART (Purple/Yellow)	Millbrae - SFO - Antioch	15 mins	Millbrae Station, 2,600 feet

Notes:
These were services available before Covid-19 and shelter-in-place orders.
1. Approximate headways during peak commute periods on weekdays.
2. Route 397 is a limited overnight service, operating from 12:30 AM - 6:30 AM.
3. Shuttles run during weekday commute hours and is open to the general public and free to riders.

Figure 4
Existing Transit Services

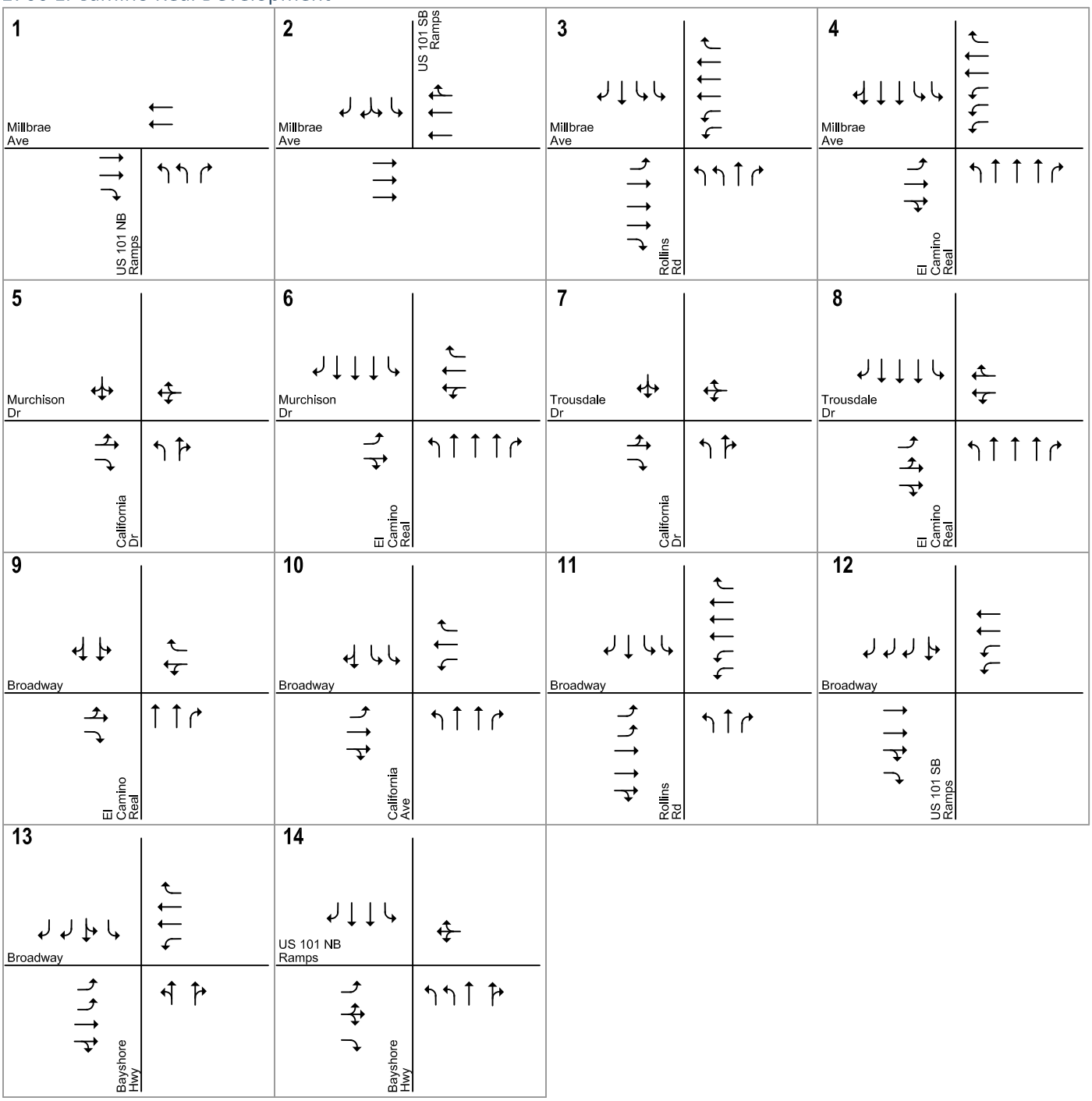
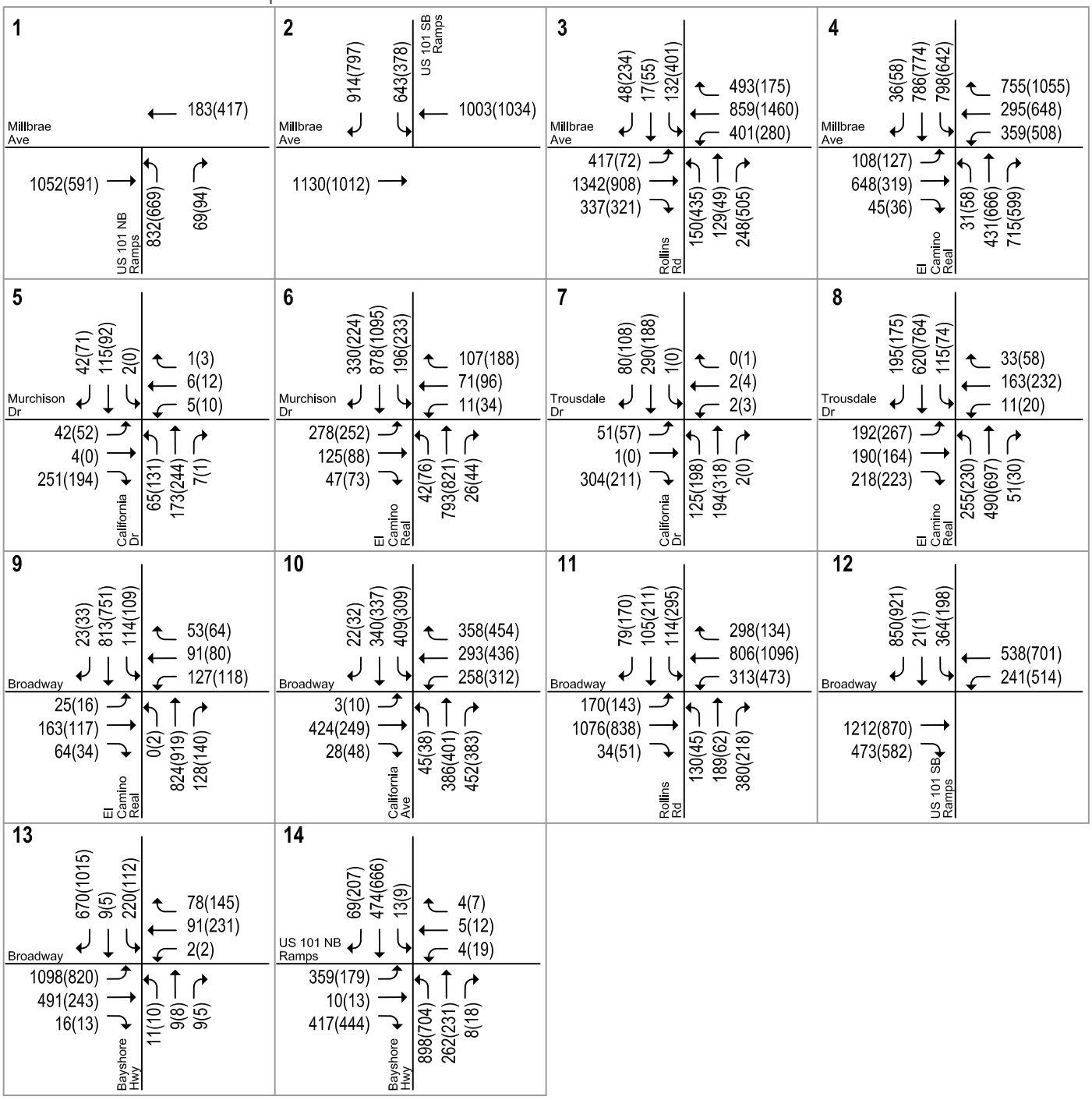


Figure 5
Existing Intersection Lane Geometry

NORTH
Not to Scale



LEGEND

XX(XX) = AM(PM) Peak-Hour Traffic Volumes

Figure 6
Existing Traffic Volumes

Existing Intersection Levels of Service

The results of the level of service analysis show that all of the study intersections operate at an acceptable level of service during both AM and PM peak hours (see Table 4). The intersection levels of service calculation sheets are included in Appendix B.

Table 4
Existing Intersection Levels of Service

#	Intersection	LOS Standard	Peak Hour	Count Date	Avg. Delay (sec)	LOS
1	US 101 NB Ramps & Millbrae Ave	D	AM	04/15/19	9.1	A
			PM	04/15/19	6.2	A
2	US 101 SB Ramps & Millbrae Ave	D	AM	02/12/19	11.6	B
			PM	02/12/19	8.7	A
3	Rollins Rd & Millbrae Ave	D	AM	02/12/19	20.4	C
			PM	02/12/19	27.0	C
4	El Camino Real & Millbrae Ave (CMP)	E	AM	02/12/19	75.4	E
			PM	02/12/19	74.8	E
5	California Dr & Murchison Dr[1, 4]	None	AM	03/19/14	14.5	B
			PM	03/19/14	17.4	C
6	El Camino Real & Murchison Dr[4]	D	AM	04/05/16	21.2	C
			PM	04/05/16	25.4	C
7	California Dr & Trousdale Dr[1, 2]	None	AM	N/A	25.8	D
			PM	N/A	29.2	D
8	El Camino Real & Trousdale Dr	D	AM	02/12/19	20.5	C
			PM	02/12/19	23.0	C
9	El Camino Real & Broadway (CMP)[3]	E	AM	04/15/19	13.6	B
			PM	04/15/19	12.4	B
10	California Drive & Broadway[4]	D	AM	05/30/18	51.9	D
			PM	05/30/18	51.0	D
11	Rollins Road & Broadway	D	AM	02/12/19	21.1	C
			PM	02/12/19	20.4	C
12	US 101 SB Ramps & Broadway[3]	D	AM	01/09/20	28.6	B
			PM	01/09/20	23.1	B
13	Old Bayshore Hwy & Broadway	D	AM	01/09/20	14.9	B
			PM	01/09/20	18.3	B
14	Old Bayshore Hwy & US 101 NB Ramps	D	AM	01/09/20	21.3	C
			PM	01/09/20	19.2	B

Notes:
1. Denotes a two-way stop-controlled intersection. Worst leg delay is reported.
2. Recent counts were not available. Counts were extrapolated from nearby intersections.
3. HCM 2000 average delay is reported.
4. Recent counts were not available. Existing volumes were increased by applying a growth rate of 1% per year.

3. Background Conditions

This chapter presents background traffic conditions, which are defined as conditions just prior to completion/occupation of the proposed project. Traffic volumes for background conditions comprise volumes from existing traffic volumes plus traffic generated by approved but not yet constructed developments in the vicinity of the site. This chapter describes the procedure used to determine background traffic volumes and the resulting traffic conditions.

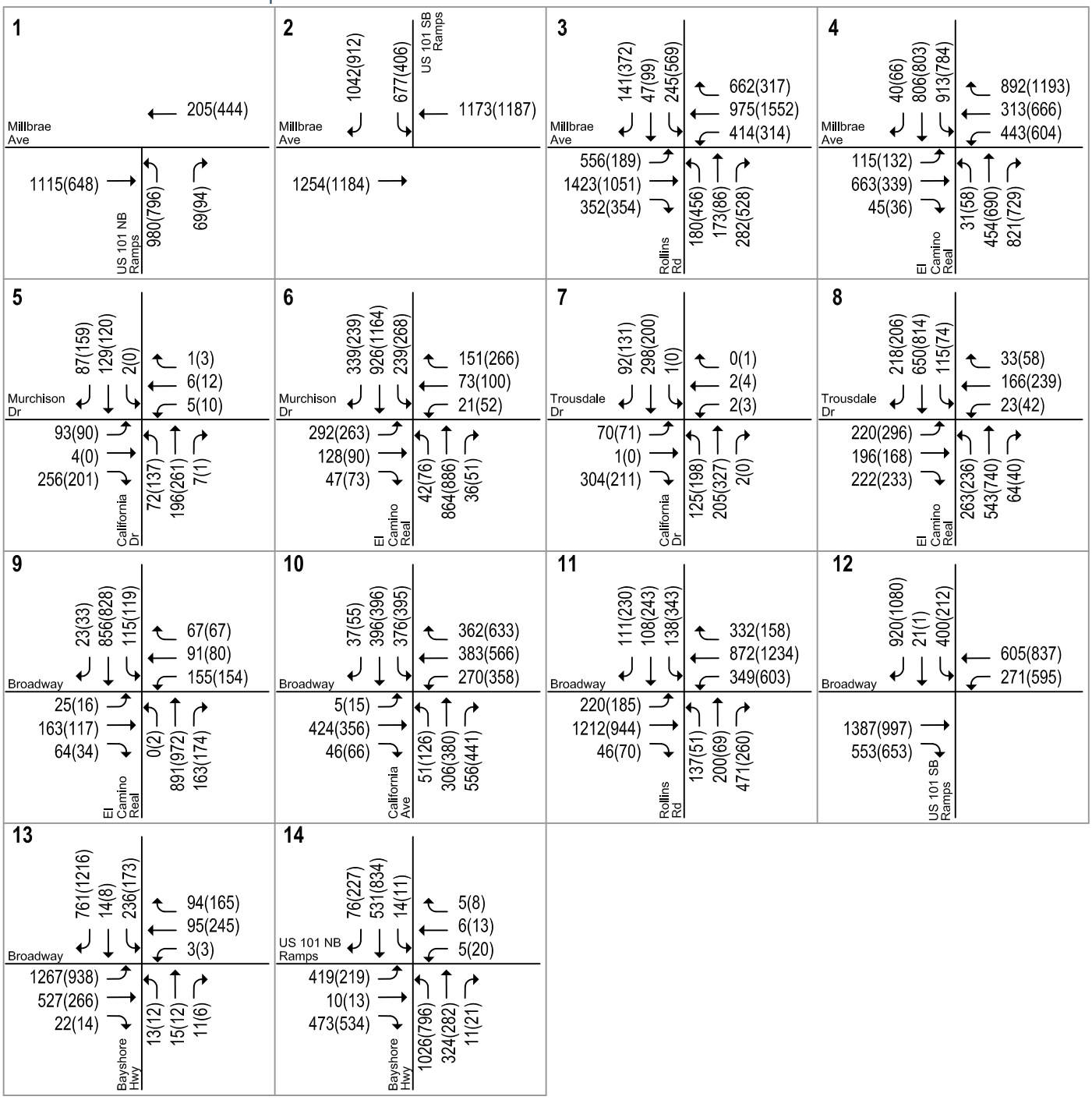
Roadway Network and Traffic Volumes Under Background Conditions

The roadway network under project conditions would be the same as the existing roadway network. It is anticipated that the proposed Peninsula Corridor Electrification Project (PCEP), which is a key component of the Caltrain Modernization program, would be completed (projected to be operational between 2020 and 2021) under background conditions. Electrification is expected to help accommodate the increase in system ridership through much improved system operations.

Traffic volumes for background conditions include the completion of approved major developments in the vicinity of the project site, such as the 1499 Bayshore Hotel, the Carolan Avenue Residential Project, the 300 Airport Boulevard Project, the 1095 Rollin Road residential development, the Adrian Court Residential Development and the Serra Station and Gateway Developments at the Millbrae Station. Trips associated with the approved developments were obtained from the project traffic studies. Since the Serra Station and Gateway Developments do not have a traffic study, the estimated number of project trips were assigned to the roadway network based on the trip distribution found in the Millbrae Station Area Specific Plan (MSASP) EIR. Background peak-hour traffic volumes are shown on Figure 7. The approved trips and traffic volumes for all components of traffic are tabulated in Appendix A.

Background Intersection Levels of Service

The results of the intersection level of service analysis (see Table 5) show that the El Camino Real/Millbrae Avenue intersection would operate at an unacceptable LOS F during the AM and PM peak hours, and the California Avenue/Broadway intersection would operate at an unacceptable LOS F during the PM peak hour, as a result of approved projects in the area. All other signalized study intersections would operate at an acceptable level of service during both the AM and PM peak hours of traffic under background conditions. The level of service calculation sheets are included in Appendix B.



LEGEND

XX(XX) = AM(PM) Peak-Hour Traffic Volumes

Figure 7
Background Traffic Volumes

Table 5
Background Intersection Levels of Service

#	Intersection	LOS Standard	Peak Hour	Existing Avg. Delay (sec)	Existing LOS	Background Avg. Delay (sec)	Background LOS
1	US 101 NB Ramps & Millbrae Ave	D	AM	9.1	A	10.6	B
			PM	6.2	A	7.0	A
2	US 101 SB Ramps & Millbrae Ave	D	AM	11.6	B	14.0	B
			PM	8.7	A	10.5	B
3	Rollins Rd & Millbrae Ave	D	AM	20.4	C	35.2	D
			PM	27.0	C	42.9	D
4	El Camino Real & Millbrae Ave (CMP)	E	AM	75.4	E	**101.6**	**F**
			PM	74.8	E	**92.0**	**F**
5	California Dr & Murchison Dr[1]	None	AM	14.5	B	16.0	C
			PM	17.4	C	22.6	C
6	El Camino Real & Murchison Dr	D	AM	21.2	C	25.1	C
			PM	25.4	C	31.1	C
7	California Dr & Trousdale Dr[1, 2]	None	AM	25.8	D	27.0	D
			PM	29.2	D	33.9	D
8	El Camino Real & Trousdale Dr	D	AM	20.5	C	21.3	C
			PM	23.0	C	24.8	C
9	El Camino Real & Broadway (CMP)[3]	E	AM	13.6	B	14.9	B
			PM	12.4	B	13.5	B
10	California Drive & Broadway	D	AM	51.9	D	55.0	D
			PM	51.0	D	**85.3**	**F**
11	Rollins Road & Broadway	D	AM	21.1	C	24.8	C
			PM	20.4	C	23.8	C
12	US 101 SB Ramps & Broadway[3]	D	AM	28.6	B	33.5	B
			PM	23.1	B	24.4	B
13	Old Bayshore Hwy & Broadway	D	AM	14.9	B	19.2	B
			PM	18.3	B	21.5	C
14	Old Bayshore Hwy & US 101 NB Ramps	D	AM	21.3	C	25.6	C
			PM	19.2	B	23.2	C

Notes:
1. Denotes a two-way stop-controlled intersection. Worst leg delay is reported.
2. Recent counts were not available. Counts were extrapolated from nearby intersections.
3. HCM 2000 average delay is reported.
Bold indicates a substandard level of service.

4. Project Conditions

This chapter describes traffic conditions with the project and includes: (1) the method by which project traffic is estimated, (2) intersection levels of service under existing plus project conditions and background plus project conditions, and (3) potential impacts of the project traffic on roadway network. Existing plus project traffic conditions could potentially occur if the project were to be occupied prior to the other approved projects in the area. Background plus project conditions predict a realistic traffic condition that would occur as approved developments get built and occupied when the project is complete. Background plus project conditions were evaluated relative to background conditions in order to determine potential project impacts.

Roadway Network Under Project Conditions

The roadway network under project conditions would be the same as the existing roadway network because the project would not alter the existing intersection lane configurations.

Project Trip Estimates

The magnitude of traffic produced by a new development and the locations where that traffic would appear were estimated using a three-step process: (1) trip generation, (2) trip distribution, and (3) trip assignment. In determining project trip generation, the magnitude of traffic traveling to and from the project site is estimated for the AM and PM peak hours. As part of the project trip distribution, the directions to and from which the project trips would travel were estimated. In the project trip assignment, the project trips are assigned to specific streets and intersections. These procedures are described below.

Trip Generation

Through empirical research, data have been collected that quantify the amount of traffic that can be expected to be generated by many types of land uses. The data are published in *Trip Generation Manual, 10th Edition,* by the Institute of Transportation Engineers (ITE). The magnitude of traffic added to the roadway system by a new development is estimated by multiplying the applicable trip generation rates by the size and use of the development. The rates published for Multifamily Housing (Low-Rise) (Land Use 220), General Office Building (Land Use 710), and Shopping Center (Land Use 820) were used to estimate the trips generated by the proposed project. The “Low-Rise Multifamily Housing” category refers to apartments, townhouses, and condominiums located within the same building that have one or two levels. Most of the proposed residential units would be located on the top two floors (6th and 7th floors) of the project building with four units on the ground level. Therefore, it is reasonable

to use this ITE category for the proposed residential units. The “General Office Building” category refers to a general office building with a mix of tenants including professional services, insurance companies, and investment brokers, and tenant services. Since specific uses of the proposed office space are unknown, it is reasonable to use this ITE category for the office space. The “Shopping Center” category refers to an integrated group of commercial establishments. This category includes the trip data for a wide scale of retail uses, from neighborhood centers to regional centers. Since specific uses of the proposed retail spaces are unknown, it is reasonable to use the trip rates for shopping centers for the retail space.

Because the project would provide commercial and residential mixed-use on-site, it is expected some residents and office employees would patronize the retail businesses, and some residents would work in the offices on site, which would result in the internalization of some project trips. It is also expected some residents and office employees would utilize the transit services near the site. Therefore, trip reductions were applied based on the EPA's MXD model (mixed-use trip generation model). The MXD model accounts for employment and transit services in the project area and the mix of uses on the site to estimate the applicable trip reduction. Based on the model, trip reduction rates of 17%, 13%, and 15% were applied to daily, AM peak-hour, and PM peak-hour trips.

Because the project would replace the existing uses on the site, trips associated with the existing uses were subtracted from the gross project traffic to derive the net project trips. The majority of the existing building space (23,500 square feet) is used as office space with 9,500 square feet being used as art museum space. The rates published for General Office Building (Land Use 710) and Museum (Land Use 580) were used to estimate the trips that are generated by the existing uses.

After applying the trip reduction and existing trip credits, Table 6 shows that the project would generate 1,545 new daily trips, with 150 net trips (111 in and 39 out) occurring during the AM peak hour and 169 net trips (49 in and 120 out) occurring during the PM peak hour.

Table 6
Project Trip Generation Estimates

Land Use	Size		Daily Rate	Daily Trips	AM Peak Hour Pk-Hr Rate	AM Peak Hour Trips In	AM Peak Hour Trips Out	AM Peak Hour Trips Total	PM Peak Hour Pk-Hr Rate	PM Peak Hour Trips In	PM Peak Hour Trips Out	PM Peak Hour Trips Total
Proposed Land Use												
Apartments[1]	60	DU	7.32	439	0.46	6	22	28	0.56	21	13	34
Retail[2]	7,588	s.f.	37.75	286	0.94	4	3	7	3.81	14	15	29
Office[3]	148,057	s.f.	9.74	1,442	1.16	148	24	172	1.15	27	143	170
- Mixed-Use Trip Reduction[4]				*-368*		*-21*	*-6*	*-27*		*-9*	*-26*	*-35*
Gross Project Trips				**1,799**		**137**	**43**	**180**		**53**	**145**	**198**
Existing Land Use												
Art Museum[5]	9,500	s.f.	--[5]	-25	0.28	-3	0	-3	0.18	0	-2	-2
Office[3]	23,500	s.f.	9.74	-229	1.16	-23	-4	-27	1.15	-4	-23	-27
Net Project Trips				**1,545**		**111**	**39**	**150**		**49**	**120**	**169**

Notes:
All trip rates are from ITE Trip Generation Manual, 10th Edition, 2017.
1. Average trip rates for Multifamily Housing Low-Rise (Land Use 220), expressed in trips per dwelling unit (DU).
2. Average trip rates for Shopping Center (Land Use 820), expressed in trips per 1,000 square feet (s.f.) of gross floor area (GFA).
3. Average trip rates for General Office Building (Land Use 710), expressed in trips per 1,000 s.f. of GFA.
4. Trip reduction rates of 17%, 13%, and 15% were applied to daily, AM peak-hour, and PM peak-hour trips, based on the EPA's MXD model (mixed-use trip generation model) to account for internal mixed-use trips in the project area.
5. Peak-hour trip rates for Museum (Land Use 580), expressed in trips per 1,000 s.f. of GFA. Daily trips were estimated by multiplying the average peak-hour trips by ten.

Trip Distribution and Assignment

The trip distribution patterns for the proposed residential, office, and retail uses were estimated based on existing travel patterns on the surrounding roadway system and the locations of complementary land uses (see Figure 8).

The peak-hour trips generated by the project were assigned to the roadway system based on the directions of approach and departure, the roadway network connections, and the locations of project driveways (see Figure 9). Because the proposed driveway on the El Camino Real frontage road can only be accessed in the northbound direction, a majority of the project traffic would access the site via the existing full-access driveway on California Drive.

Traffic Volumes Under Project Conditions

Project trips, as represented in the above project trip assignment, were added to existing and background traffic volumes to obtain existing plus project traffic volumes (see Figure 10) and background plus project traffic volumes (see Figure 11).

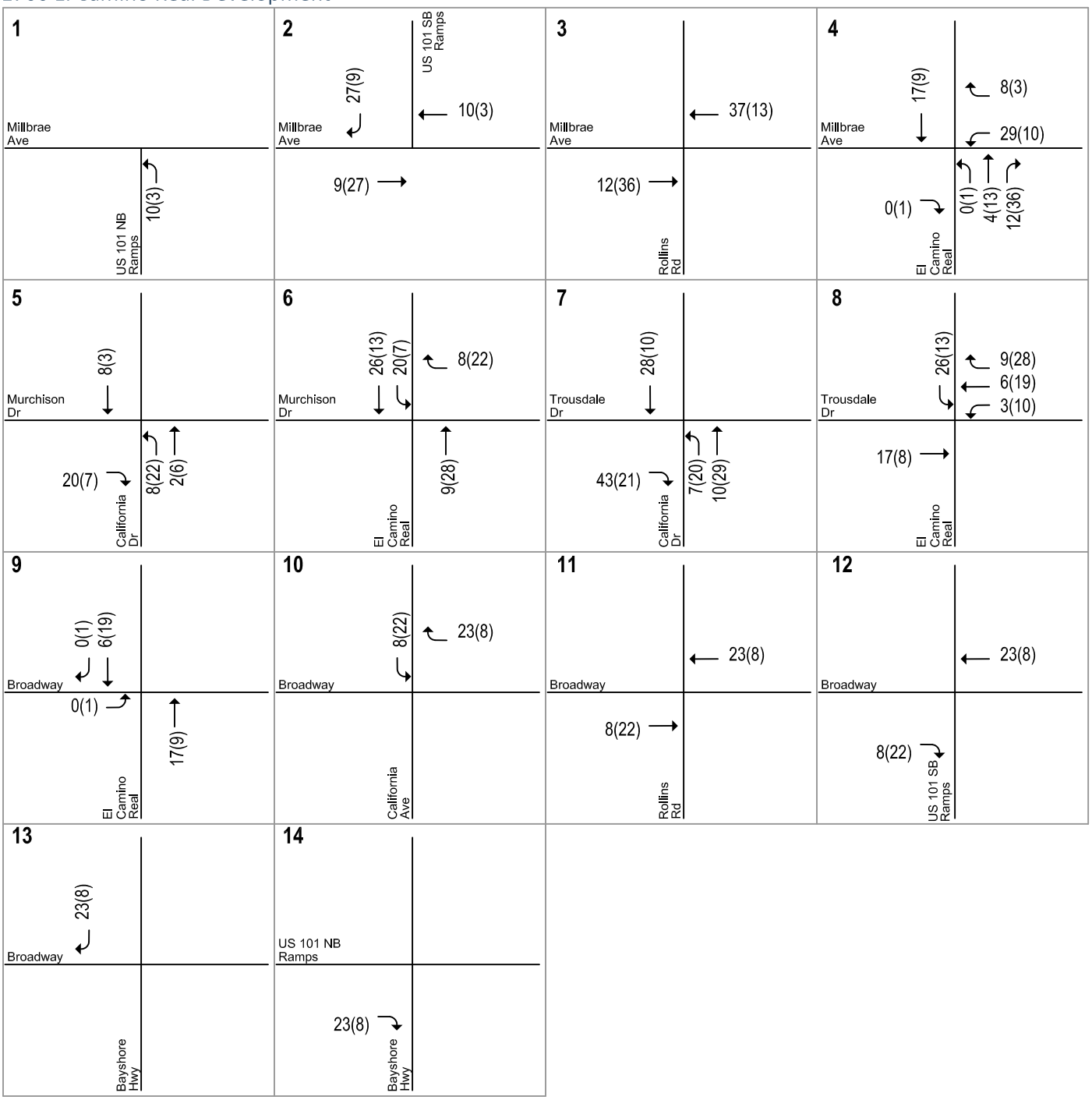
Existing Plus Project Intersection Levels of Service

The results of the intersection level of service analysis (see Table 7) show that all of the study intersections would continue to operate at an acceptable level of service during both the AM and PM peak hours under existing plus project conditions. The intersection level of service calculation sheets are included in Appendix B.

Background Plus Project Intersection Levels of Service

The results of the intersection level of service analysis (see Table 8) show that that the El Camino Real/Millbrae Avenue intersection would operate at an unacceptable LOS F during the AM and PM peak hours, and the California Avenue/Broadway intersection would operate at an unacceptable LOS F during the PM peak hour under background conditions with and without the project. However, since the project would not increase the average delay by 4 or more seconds at the El Camino Real/Millbrae Avenue intersection and by 5 or more seconds at the California Avenue/Broadway intersection, the project is not considered to have a significant impact at these intersections. All other study intersections would continue to operate at acceptable levels of service.

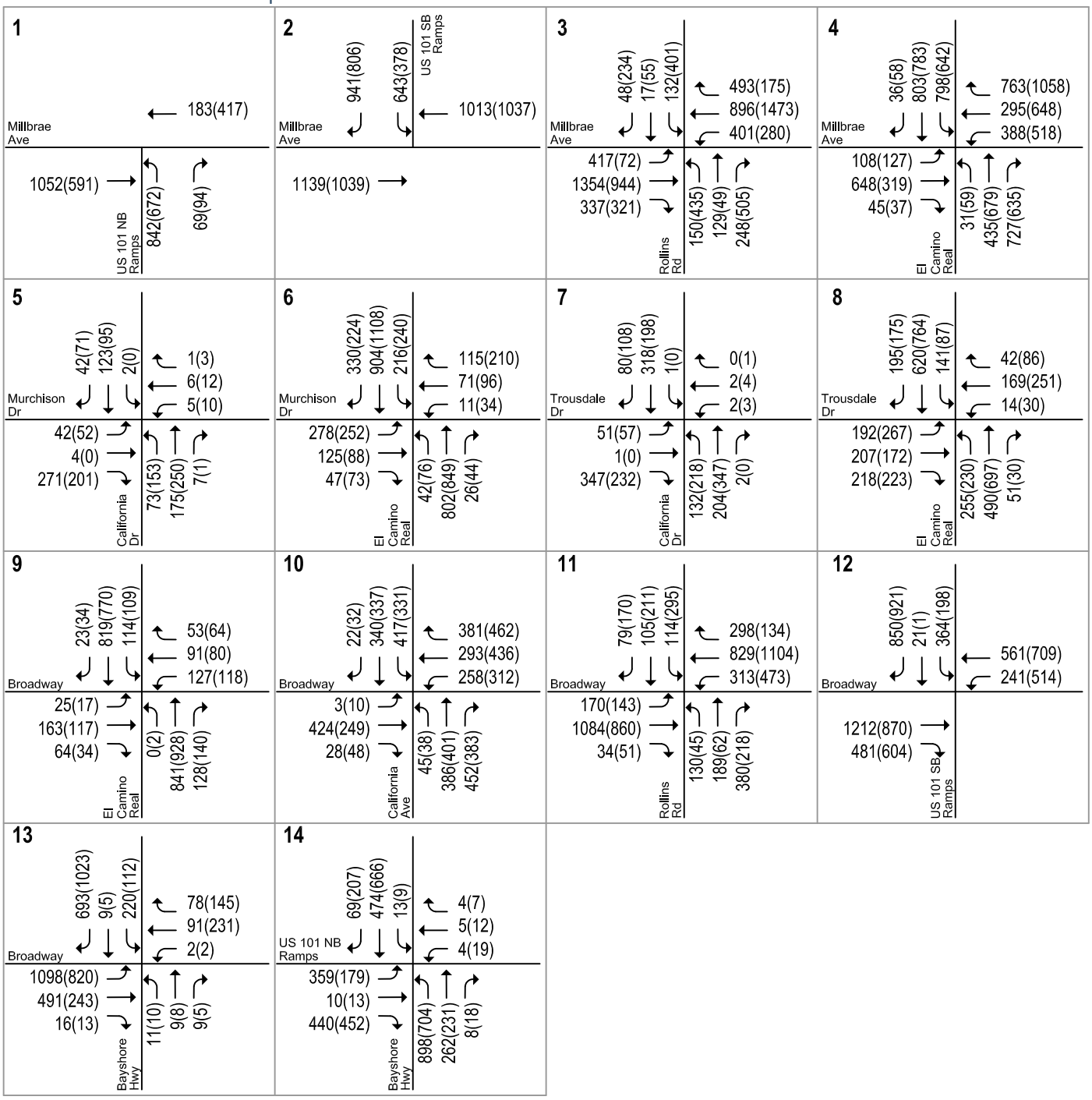
Figure 8
Project Trip Distribution Pattern



LEGEND

XX(XX) = AM(PM) Peak-Hour Trips

Figure 9
Net Project Trip Assignment

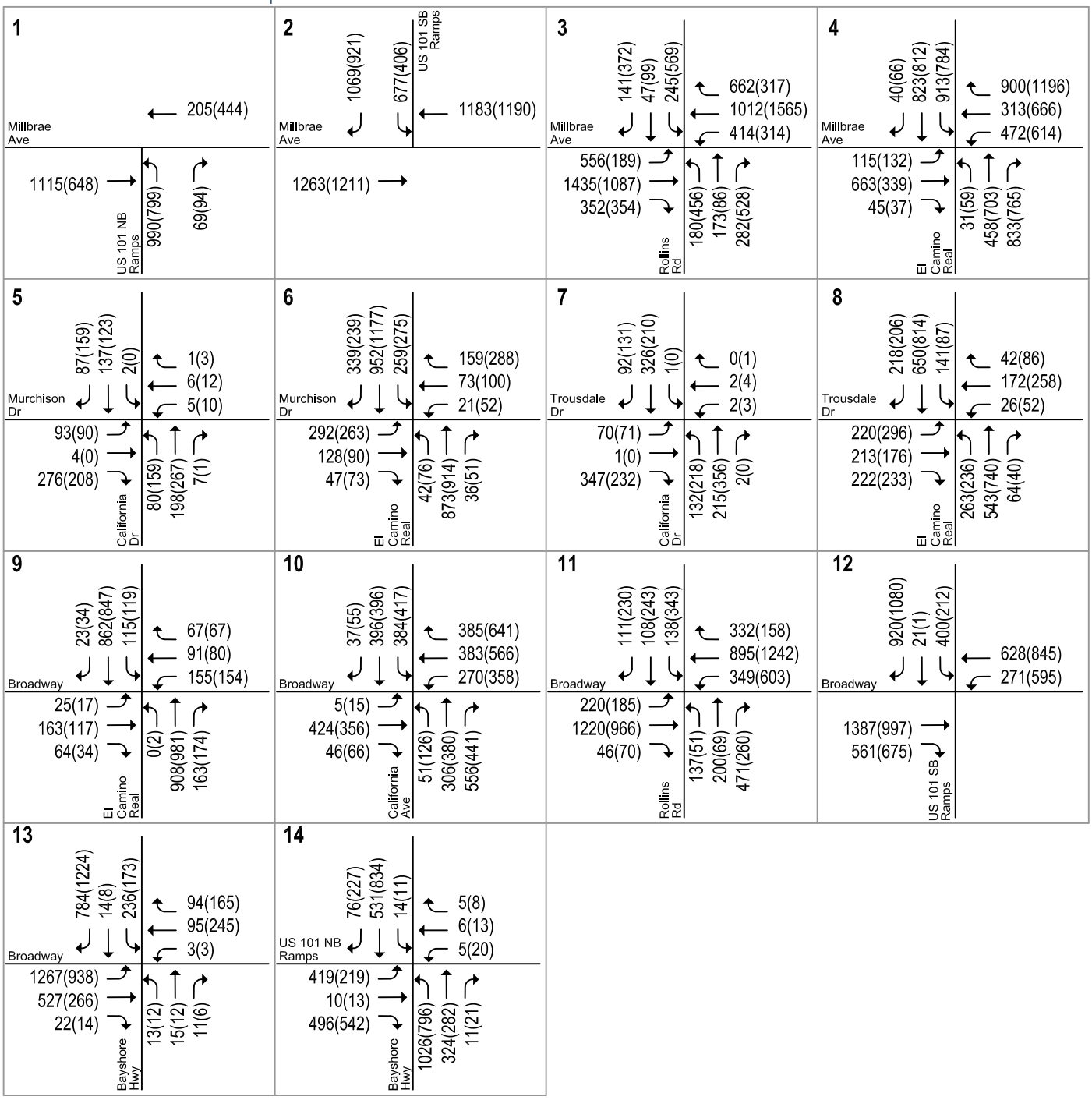


LEGEND

XX(XX) = AM(PM) Peak-Hour Traffic Volumes

Figure 10
Existing Plus Project Traffic Volumes

NORTH
Not to Scale



LEGEND

XX(XX) = AM(PM) Peak-Hour Traffic Volumes

Figure 11
Background Plus Project Traffic Volumes

Table 7
Existing Plus Project Intersection Levels of Service

#	Intersection	LOS Standard	Peak Hour	Existing Conditions				
				No Project		With Project		
				Avg. Delay (sec)	LOS	Avg. Delay (sec)	LOS	Increase in Delay (sec)
1	US 101 NB Ramps & Millbrae Ave	D	AM	9.1	A	9.2	A	0.1
			PM	6.2	A	6.3	A	0.1
2	US 101 SB Ramps & Millbrae Ave	D	AM	11.6	B	11.9	B	0.3
			PM	8.7	A	8.8	A	0.1
3	Rollins Rd & Millbrae Ave	D	AM	20.4	C	20.5	C	0.1
			PM	27.0	C	27.1	C	0.1
4	El Camino Real & Millbrae Ave (CMP)	E	AM	75.4	E	75.5	E	0.1
			PM	74.8	E	75.4	E	0.6
5	California Dr & Murchison Dr[1]	None	AM	14.5	B	15.2	C	-
			PM	17.4	C	18.8	C	-
6	El Camino Real & Murchison Dr	D	AM	21.2	C	22.0	C	0.8
			PM	25.4	C	26.9	C	1.5
7	California Dr & Trousdale Dr[1, 2]	None	AM	25.8	D	30.9	D	-
			PM	29.2	D	34.5	D	-
8	El Camino Real & Trousdale Dr	D	AM	20.5	C	21.2	C	0.7
			PM	23.0	C	24.6	C	1.6
9	El Camino Real & Broadway (CMP)[3]	E	AM	13.6	B	13.6	B	0.0
			PM	12.4	B	12.5	B	0.1
10	California Drive & Broadway	D	AM	51.9	D	53.8	D	1.9
			PM	51.0	D	51.7	D	0.7
11	Rollins Road & Broadway	D	AM	21.1	C	21.1	C	0.0
			PM	20.4	C	20.5	C	0.1
12	US 101 SB Ramps & Broadway[3]	D	AM	28.6	B	29.1	B	0.5
			PM	23.1	B	23.3	B	0.2
13	Old Bayshore Hwy & Broadway	D	AM	14.9	B	14.9	B	0.0
			PM	18.3	B	18.4	B	0.1
14	Old Bayshore Hwy & US 101 NB Ramps	D	AM	21.3	C	21.5	C	0.2
			PM	19.2	B	19.2	B	0.0

Notes:
1. Denotes a two-way stop-controlled intersection. Worst leg delay is reported.
2. Recent counts were not available. Counts were extrapolated from nearby intersections.
3. HCM 2000 average delay is reported.
Bold indicates a substandard level of service.

Table 8
Background Plus Project Intersection Levels of Service

#	Intersection	LOS Standard	Peak Hour	Background Conditions				
				No Project		With Project		
				Avg. Delay (sec)	LOS	Avg. Delay (sec)	LOS	Increase in Delay (sec)
1	US 101 NB Ramps & Millbrae Ave	D	AM	10.6	B	10.7	B	0.1
			PM	7.0	A	7.0	A	0.0
2	US 101 SB Ramps & Millbrae Ave	D	AM	14.0	B	14.3	B	0.3
			PM	10.5	B	10.7	B	0.2
3	Rollins Rd & Millbrae Ave	D	AM	35.2	D	35.2	D	0.0
			PM	42.9	D	43.2	D	0.3
4	El Camino Real & Millbrae Ave (CMP)	E	AM	**101.6**	**F**	**101.9**	**F**	0.3
			PM	**92.0**	**F**	**95.8**	**F**	3.8
5	California Dr & Murchison Dr[1]	None	AM	16.0	C	16.8	C	-
			PM	22.6	C	25.4	D	-
6	El Camino Real & Murchison Dr	D	AM	25.1	C	26.1	C	1.0
			PM	31.1	C	33.5	C	2.4
7	California Dr & Trousdale Dr[1, 2]	None	AM	27.0	D	32.5	D	-
			PM	33.9	D	41.3	E	-
8	El Camino Real & Trousdale Dr	D	AM	21.3	C	22.0	C	0.7
			PM	24.8	C	26.5	C	1.7
9	El Camino Real & Broadway (CMP)[3]	E	AM	14.9	B	14.9	B	0.0
			PM	13.5	B	13.6	B	0.1
10	California Drive & Broadway	D	AM	55.0	D	56.7	E	1.7
			PM	**85.3**	**F**	**86.6**	**F**	1.3
11	Rollins Road & Broadway	D	AM	24.8	C	24.8	C	0.0
			PM	23.8	C	24.0	C	0.2
12	US 101 SB Ramps & Broadway[3]	D	AM	33.5	B	34.2	B	0.7
			PM	24.4	B	24.5	B	0.1
13	Old Bayshore Hwy & Broadway	D	AM	19.2	B	19.2	B	0.0
			PM	21.5	C	21.6	C	0.1
14	Old Bayshore Hwy & US 101 NB Ramps	D	AM	25.6	C	25.9	C	0.3
			PM	23.2	C	23.3	C	0.1

Notes:
1. Denotes a two-way stop-controlled intersection. Worst leg delay is reported.
2. Recent counts were not available. Counts were extrapolated from nearby intersections.
3. HCM 2000 average delay is reported.
Bold indicates a substandard level of service.

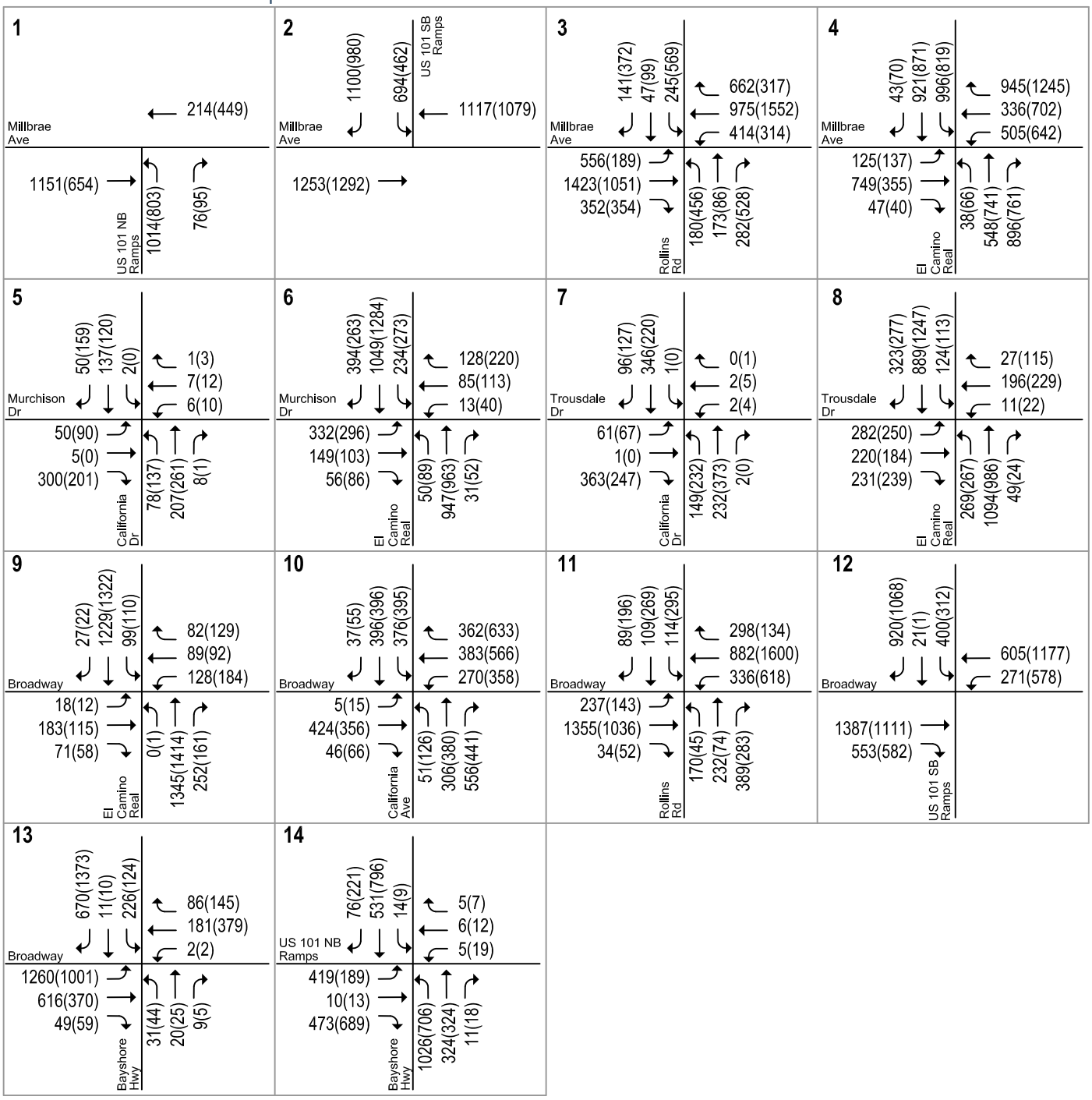
5. Cumulative Conditions

This chapter describes the roadway traffic operations under cumulative conditions and cumulative plus project conditions. Cumulative conditions represent future traffic conditions with expected growth in the area. The expected future traffic volumes were obtained from the City of Burlingame 2040 General Plan forecasts.

Roadway Network and Traffic Volumes Under Cumulative Conditions

The intersection lane configurations under cumulative conditions were assumed to be the same as described under background conditions. It is anticipated that the proposed Broadway grade separation project for the Caltrain tracks would be completed (projected to be constructed between 2023 and 2026, dependent on future funding allocations) under cumulative conditions. The grade separation would not affect the lane configuration at the California Avenue/Broadway intersection, but is expected to improve the intersection operations. It was assumed that with the grade separation project, the eastbound and westbound phases on Broadway would be modified from split phases to protected phases with a shorter cycle length.

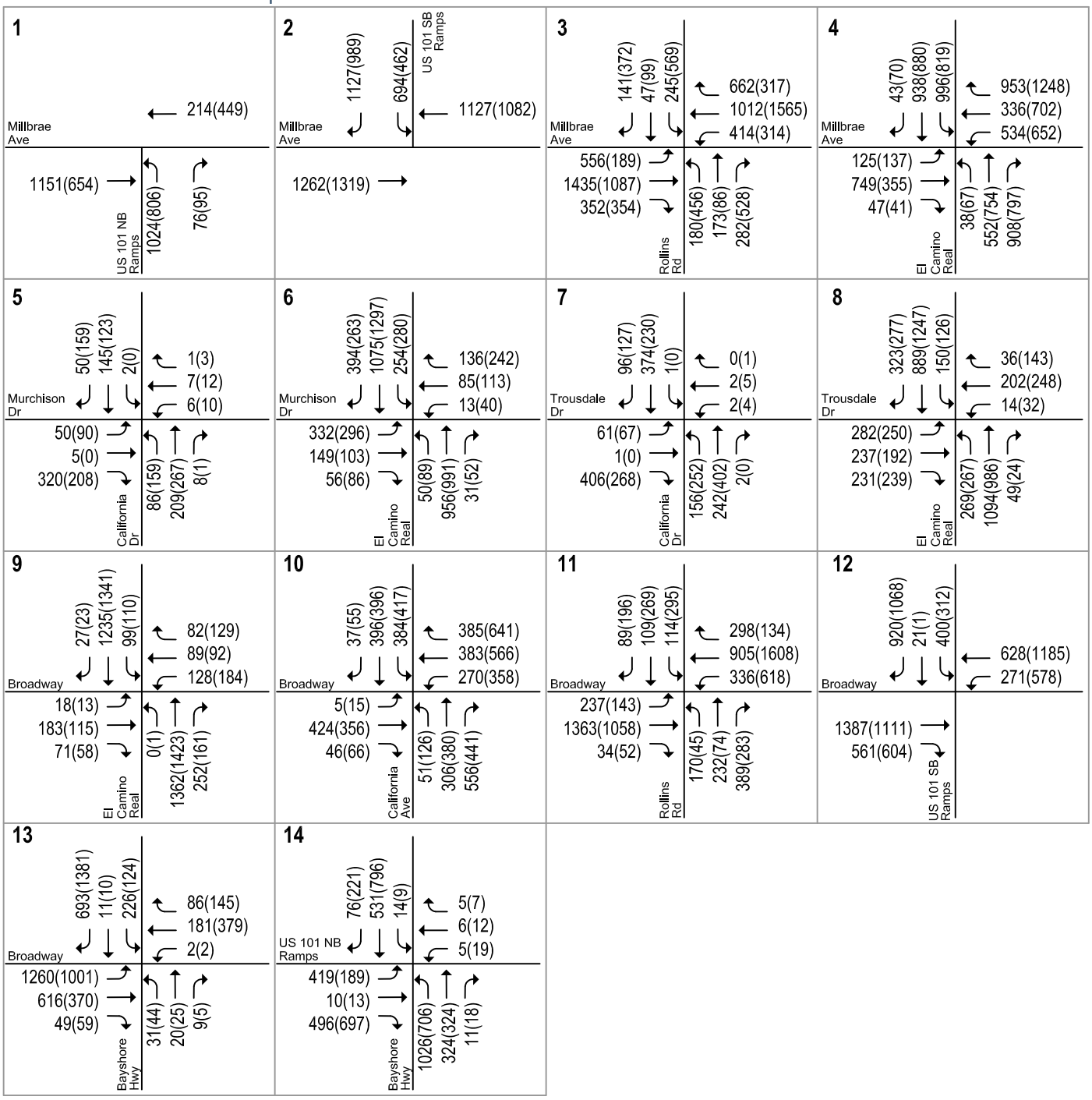
Cumulative traffic volumes were taken from the 2040 General Plan traffic study and adjusted by comparing to existing and background volumes. For intersections in which the General Plan 2040 volumes are lower than existing volumes, the volume increases from existing to cumulative conditions of the General Plan study were added to the existing traffic volumes of this study to derive the cumulative traffic volumes. For intersections in which the General Plan 2040 volumes are lower than background volumes, the background volumes were applied to cumulative conditions. For intersections not included in the 2040 General Plan, the cumulative volumes were estimated by using the volumes at the closest intersections. The intersections of California Drive/Murchison Drive, El Camino Real/Murchison Drive, and California Drive/Trousdale Drive are included in the 2040 General Plan. Based on the existing and cumulative volumes at the El Camino Real/Trousdale Drive intersection, the estimation for intersections not included in the 2040 General Plan utilized a growth factor of 1.19 and 1.17 for the AM and PM peak hours, respectively. Figure 12 shows the traffic volumes under cumulative no project conditions. Figure 13 shows the traffic volumes under cumulative plus project conditions.



LEGEND

XX(XX) = AM(PM) Peak-Hour Traffic Volumes

Figure 12
Cumulative No-Project Traffic Volumes



LEGEND

XX(XX) = AM(PM) Peak-Hour Traffic Volumes

Figure 13
Cumulative Plus Project Traffic Volumes

Cumulative Intersection Levels of Service

The level of service results for the study intersections under cumulative conditions without and with the project are summarized in Table 9. The results show that the El Camino Real/Millbrae Avenue intersection would operate at an unacceptable LOS F during the AM and PM peak hours under both no-project and with-project conditions. However, since the project would not increase the average delay by 4 or more seconds, the project is not considered to have a significant impact at this intersection.

With the Broadway grade separation, the traffic operations at the California Avenue/Broadway intersection would be improved from an unacceptable LOS F in the PM peak hour under background conditions to an acceptable LOS D under cumulative conditions. All other study intersections would continue to operate at acceptable levels of service.

Table 9
Cumulative plus Project Levels of Service

#	Intersection	LOS Standard	Peak Hour	Cumulative Conditions					
				No Project			With Project		
				Avg. Delay (sec)	LOS		Avg. Delay (sec)	LOS	Increase in Delay (sec)
1	US 101 NB Ramps & Millbrae Ave	D	AM	11.2	B	0	11.3	B	0.1
			PM	7.0	A	0	7.0	A	0.0
2	US 101 SB Ramps & Millbrae Ave	D	AM	14.6	B	0	15.0	B	0.4
			PM	11.8	B	0	12.1	B	0.3
3	Rollins Rd & Millbrae Ave	D	AM	35.2	D	0	35.2	D	0.0
			PM	43.3	D	0	43.7	D	0.4
4	El Camino Real & Millbrae Ave (CMP)	E	AM	**119.9**	**F**	**0**	**>120**	**F**	0.5
			PM	**102.8**	**F**	**0**	**106.5**	**F**	3.7
5	California Dr & Murchison Dr[1]	None	AM	17.0	C	0	18.0	C	-
			PM	22.6	C	0	25.4	D	-
6	El Camino Real & Murchison Dr	D	AM	26.5	C	0	27.6	C	1.1
			PM	31.8	C	0	34.1	C	2.3
7	California Dr & Trousdale Dr[1, 2]	None	AM	38.6	E	0	50.0	E	-
			PM	46.1	E	0	58.2	F	-
8	El Camino Real & Trousdale Dr	D	AM	24.5	C	0	25.6	C	1.1
			PM	32.5	C	0	35.1	D	2.6
9	El Camino Real & Broadway (CMP)[3]	E	AM	17.7	B	0	18.1	B	0.4
			PM	27.1	C	0	28.9	C	1.8
10	California Drive & Broadway[4]	D	AM	39.6	D	0	40.3	D	0.7
			PM	50.6	D	0	51.6	D	1.0
11	Rollins Road & Broadway	D	AM	25.4	C	0	25.4	C	0.0
			PM	25.1	C	0	25.2	C	0.1
12	US 101 SB Ramps & Broadway[3]	D	AM	33.5	B	0	34.2	B	0.7
			PM	41.4	C	0	42.2	C	0.8
13	Old Bayshore Hwy & Broadway	D	AM	20.3	C	0	20.3	C	0.0
			PM	28.0	C	0	28.3	C	0.3
14	Old Bayshore Hwy & US 101 NB Ramps	D	AM	25.6	C	0	25.9	C	0.3
			PM	23.6	C	0	23.8	C	0.2

Notes:
1. Denotes a two-way stop-controlled intersection. Worst leg delay is reported.
2. Recent counts were not available. Volumes were extrapolated from nearby intersections.
3. HCM 2000 average delay is reported.
4. Traffic signal improvement is assumed to account for the Caltrain grade separation project on Broadway.
Bold indicates a substandard level of service.

6. Other Transportation Issues

This chapter presents other transportation issues associated with the project. These include an analysis of:

- Vehicle miles traveled (VMT)
- Intersection vehicle queuing
- Traffic operations at unsignalized intersections
- Site access and circulation
- Potential effects to pedestrians, bicycles, and transit facilities
- Parking

The analyses in this chapter are based on professional judgement in accordance with the standards and methods employed by traffic engineering professionals. Although operational issues are not considered CEQA impacts, they do describe traffic conditions that are relevant to describing the effects of added project traffic.

VMT Analysis

The CEQA Guidelines Section 15064.3, subdivision (b)(1), states that lead agencies generally should presume that certain projects (including residential, retail, and office projects, as well as projects that are a mix of these uses) proposed within a half mile of an existing major transit stop or an existing stop along a high quality transit corridor will have a less-than-significant impact on VMT. The project is located within a half mile of the Millbrae Station, which is a major transit stop. Therefore, the project is expected to have a less-than-significant impact on VMT.

Intersection Vehicle Queuing

The analysis of intersection levels of service was supplemented with a vehicle queuing analysis for left-turn lanes and stop-controlled approaches at intersections where the project would add a substantial number of trips to the left-turn movements or stop-controlled approaches (see Table 10). This analysis provides a basis for estimating future storage requirements at the intersections under existing and background conditions. Vehicle queues were estimated using Synchro software, described in Chapter 1. The following movements were selected for evaluation:

- Left turn from westbound Millbrae Avenue to southbound El Camino Real
- Left turn from southbound El Camino Real to eastbound Murchison Drive
- Left turn from southbound El Camino Real to eastbound Trousdale Drive
- Left turn from southbound California Avenue to eastbound Broadway

Table 10
Queuing Analysis Summary

Intersection	El Camino Real/ Millbrea	El Camino Real/ Murchison	El Camino Real/ Trousdale		California/ Broadway	California/ Murchison		California/ Trousdale		
Movement	WB LT	SB LT	SB LT	SB LT	SB LT	EB RT	NB LT	EB RT	EB RT	NB LT
Peak Hour Period	AM	AM	AM	PM	PM	AM	PM	AM	PM	PM
Existing										
Lanes	2	1	1	1	2	1	1	1	1	1
Volume (vph)	359	196	115	74	309	251	131	304	211	198
Volume (vphpl)	180	196	115	74	155	251	131	304	211	198
95th% Queue[1] (veh/ln)	6	8	6	5	9	1	0	2	1	1
95th% Queue[2] (ft/ln)	150	200	150	125	225	25	0	50	25	25
Storage (ft/ ln)	300	125	350	350	225	125[3]	125	125[3]	125[3]	300
Adequate (Y/N)	Y	***N***	Y	Y	Y	Y	Y	Y	Y	Y
Existing Plus Project										
Lanes	2	1	1	1	2	1	1	1	1	1
Volume (vph)	388	216	141	87	331	271	153	347	232	218
Volume (vphpl)	194	216	141	87	166	271	153	347	232	218
95th% Queue[1] (veh/ln)	6	9	7	6	10	1	0	3	1	1
95th% Queue[2] (ft/ln)	150	225	175	150	250	25	0	75	25	25
Storage (ft/ ln)	300	125	350	350	225	125[3]	125	125[3]	125[3]	300
Adequate (Y/N)	Y	***N***	Y	Y	***N***	Y	Y	Y	Y	Y
Background										
Lanes	2	1	1	1	2	1	1	1	1	1
Volume (vph)	443	239	115	74	395	256	137	304	211	198
Volume (vphpl)	222	239	115	74	198	256	137	304	211	198
95th% Queue[1] (veh/ln)	8	12	6	5	12	1	0	2	1	1
95th% Queue[2] (ft/ln)	200	300	150	125	300	25	0	50	25	25
Storage (ft/ ln)	300	125	350	350	225	125[3]	125	125[3]	125[3]	300
Adequate (Y/N)	Y	***N***	Y	Y	***N***	Y	Y	Y	Y	Y
Background Plus Project										
Lanes	2	1	1	1	2	1	1	1	1	1
Volume (vph)	472	259	141	87	417	276	159	347	278	218
Volume (vphpl)	236	259	141	87	209	276	159	347	232	218
95th% Queue[1] (veh/ln)	8	13	8	6	12	1	0	3	1	1
95th% Queue[2] (ft/ln)	200	325	200	150	300	25	0	75	25	25
Storage (ft/ ln)	300	125	350	350	225	125[3]	125	125[3]	125[3]	300
Adequate (Y/N)	Y	***N***	Y	Y	***N***	Y	Y	Y	Y	Y

Notes:
NB = northbound; SB = southbound; EB = eastbound; WB = westbound.
LT = left turn movement; RT = right turn movement.
1. Assumes One Vehicle Queued per 25 feet.
2. Value taken from Synchro 10 software. Value rounded to the nearest 25 feet.
3. Distance to the nearest driveway.

- Right turn from eastbound Murchison Drive to southbound California Avenue
- Left turn from northbound California Avenue to westbound Murchison Drive
- Right turn eastbound Trousdale Drive to southbound California Avenue
- Left turn from northbound California Avenue to westbound Trousdale Drive

Locations where the estimated 95th percentile queues would be exceeded the available storage capacity for the movement are discussed below.

El Camino Real and Murchison Drive

Under all scenarios, the left-turn movement from southbound El Camino Real to eastbound Murchison Drive was calculated to have insufficient storage during the AM peak hour. The existing left-turn pocket can accommodate approximately 5 vehicles, while the estimated 95th percentile queue is 8 and 12 vehicles under existing and background conditions, respectively. During the AM peak hour, the project would add 20 trips to the southbound left-turn movement and is expected to increase the 95th percentile queue by one vehicle. However, inbound project traffic would have a choice to use Murchison Drive or Trousdale Drive. If the southbound left-turn vehicle queue at the El Camino Real/Murchison Drive intersection were long, the project traffic could turn at Trousdale Drive instead. Therefore, the project is expected to have a minimal effect on traffic operations at Murchison Drive.

California Avenue and Broadway

The dual storage pockets for the left-turn movement from southbound California Avenue to eastbound Broadway extend to Rhinette Avenue and can accommodate approximately 9 vehicles per lane. The estimated 95th percentile queues are 9 and 12 vehicles under existing and background conditions, respectively. During the PM peak hour, the project would add 22 trips to the southbound left-turn movement and is expected to increase the 95th percentile queue by one vehicle per lane. The resulting queue length would exceed the available storage by approximately one vehicle under existing plus project conditions and by 3 vehicles under background plus project conditions. Excess left-turn vehicles would queue in the southbound through lane with the southbound traffic. There is a Keep Clear pavement marking at Rhinette Avenue to prevent blockage. The 95th percentile queue only occurs on 5 percent of the signal cycles (about one cycle in the peak hour for the intersection with a 145-second cycle length), and the 95th percentile queue only occurs for a very brief period at the end of the signal cycle (an estimated 5 to 10 seconds). Therefore, the project is expected to have a minimal effect on traffic operations at this location.

Traffic Operations at Unsignalized Intersections

The study evaluates two unsignalized intersections: California Avenue/Murchison Drive and California Avenue/Trousdale Drive. Both intersections are two-way stop controlled with stop signs on Murchison Drive and Trousdale Drive.

Based on the level of service analysis results, the California Avenue/Murchison Drive intersection would operate at LOS C or better under all study scenarios. The queueing analysis shows no vehicle queueing issues under project scenarios. Therefore, the project traffic would not result in the need for intersection improvement or modification of traffic control at the intersection.

Based on the level of service analysis results, the California Avenue/Trousdale Drive intersection would operate at LOS E or better under existing and background conditions without vehicle queueing issues. However, the eastbound movement on Trousdale Drive would experience some delay with LOS F during the PM peak hour under cumulative conditions. In conjunction with the level of service analysis, a signal warrant analysis was conducted based on the Peak Hour Volume Warrant (Warrant 3) described in the California Manual on Uniform Traffic Control Devices for Streets and Highways (CA MUTCD), Part 4, Highway Traffic Signals. The results of the peak-hour signal warrant checks indicate that both AM and PM peak-hour volumes at the intersection meet the peak-hour signal warrant under all scenarios, both with and without the project traffic. The peak-hour signal warrant sheets are contained in Appendix C. It should be noted that the peak-hour volume signal warrant analysis simply provides an indication whether vehicular peak-hour volumes are, or would be, sufficiently high to justify installation of a traffic signal. Additional analysis may include operational analysis such as evaluating vehicle queuing and delay.

Based on the estimated peak-hour volumes the California Avenue/Trousdale Drive intersection, the eastbound movement delay on Trousdale Drive can be improved by installation of all-way stop signs or a traffic signal at the intersection, both of which would improve the intersection level of service to LOS C or better. Because the level of service deficiency is estimated to occur under cumulative conditions, the project should pay a pro-rated share of the cost of the intersection improvement. It should be noted that due to Covid-19 and regional shelter-in-place orders, new traffic counts cannot be collected, and traffic volumes at the intersection were estimated from the traffic volumes of the adjacent study intersections. Additionally, field observations cannot be conducted to identify whether there are traffic operational issues at the intersection. Therefore, although both AM and PM peak-hour estimated volumes at the intersection meet the peak-hour signal warrant, the need for intersection improvement or modification of traffic control at the intersection should be evaluated further with actual traffic counts and field observations in the future when volumes return to pre-Covid levels.

Site Access and Circulation

The site access and on-site circulation evaluation is based on the October 28, 2019 site plan prepared by Architecture International. Site access was evaluated to determine the adequacy of the site's driveways with regard to the following: traffic volume, geometric design, sight distance, and operations (e.g., vehicle queuing and delay). On-site vehicular circulation was reviewed in accordance with generally accepted traffic engineering standards and transportation planning principles.

Site Access

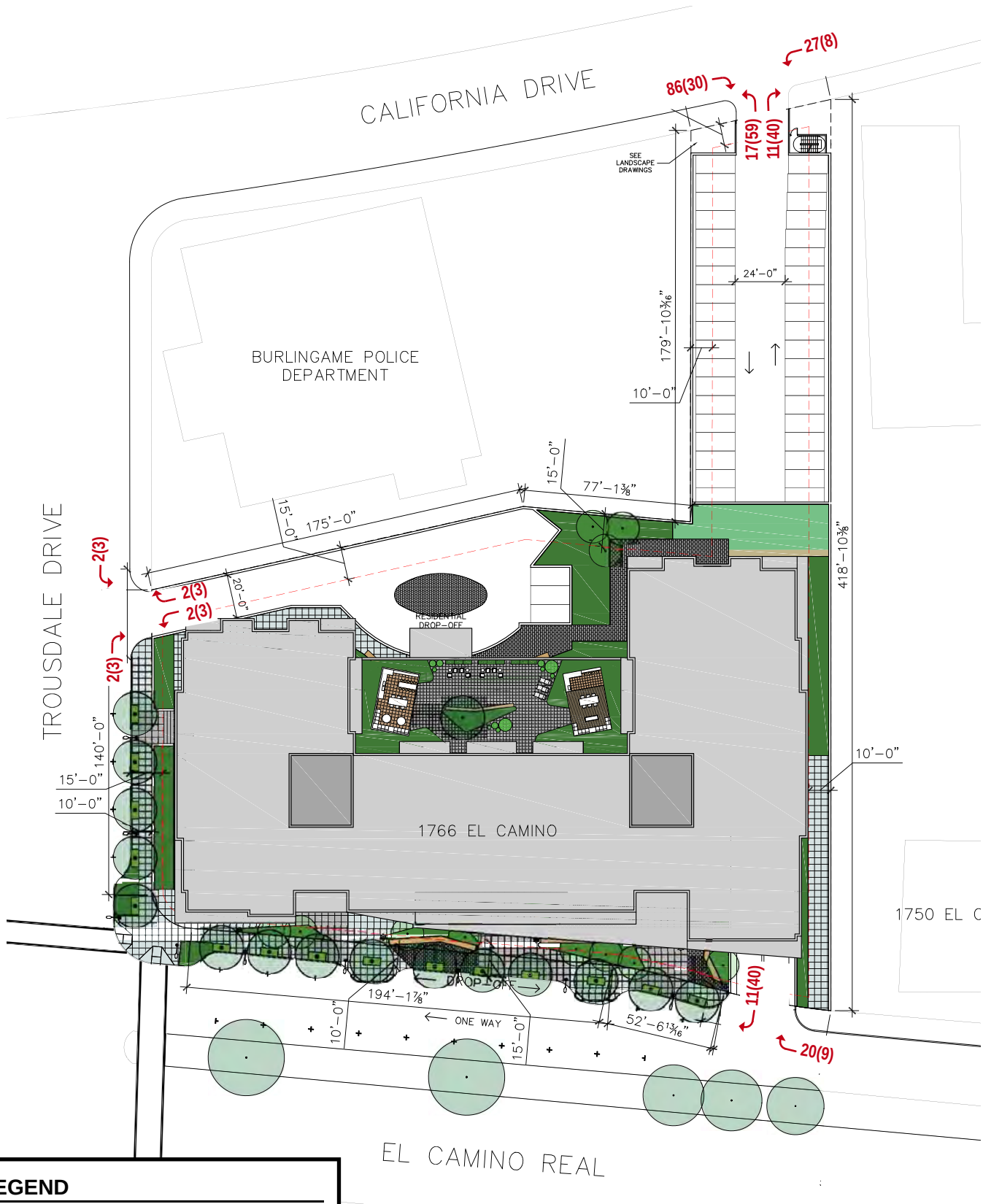
Vehicles access to the surface parking spaces and below-grade parking garage would be provided via the existing full-access driveway on California Drive and the existing right-turn-only driveway on the El Camino Real frontage road (see Figure 2). The driveway on California Drive currently provides access to surface parking spaces along both sides of the driveway aisle and on the site. With the project, the driveway would also provide access to surface parking spaces along both sides of the driveway aisle, which then would lead to the proposed below-grade parking garage. The driveway on the El Camino Real frontage road would provide direct access to the parking garage. Additionally, a full-access driveway on Trousdale Drive would provide access to a passenger loading area for the residential use.

Project Driveway Design

The California Avenue and frontage road driveways measure 24 feet in width and the Trousdale Drive driveway measure 20 feet in width. The City of Burlingame Zoning Code requires a minimum of either two 12-foot driveways or one 18-foot driveway for parking areas of more than 30 vehicle spaces. Therefore, the proposed driveways meet the City's minimum width requirement for two-way driveways.

The project driveways must provide adequate access and stacking space for vehicles entering the site to avoid backups onto the sidewalks and streets. The driveways on the El Camino Real frontage road and Trousdale Drive would provide enough stacking space for approximately five inbound vehicles. Typically, a minimum distance of 50 feet, the equivalent of two vehicles, measured from the face of the curb provides adequate stacking space at driveways. These two driveways provide adequate inbound stacking space for vehicles entering the site.

The California Avenue driveway is shown to have approximately 25 feet of vehicle stacking space between the face of the curb and the first 90-degree parking stalls. This would provide room for one inbound vehicle if there is a vehicle backing out of the first parking stalls. Given the estimated 113 inbound trips in the AM peak hour (see Figure 14) at the driveway, that calculates to about one inbound trip every 32 seconds, the probability of two or more inbound vehicles entering the parking garage at the same time would likely be low. Therefore, the inbound stacking space at the driveway is expected to be adequate.



LEGEND

XX(XX) = AM(PM) Peak-Hour Trips

Figure 14
Gross Project Trips at Driveways

Sight Distance at Project Driveways

The proposed driveway locations were evaluated to determine if the sight distance at each driveway would be adequate. Adequate sight distance reduces the likelihood of a collision at driveways and provides drivers with the ability to locate sufficient gaps in traffic to exit a driveway. Sight distance of a driveway is evaluated based on the stopping sight distance recommended by Caltrain for a given design speed.

For the driveways on California Avenue, which has a posted speed limit of 35 mph, the Caltrans stopping sight distance is 300 feet (based on a design speed of 40 mph). Thus, a driver must be able to see 300 feet on both directions of California Avenue to locate a sufficient gap to turn out of the driveway. Since there is no posted speed limit on Trousdale Drive and the El Camino Real frontage road along the project frontage, it was assumed that the speed limit is 25 mph. Therefore, these driveways require a stopping sight distance of 200 feet, based on a design speed of 30 mph.

According to the site plan, the landscape plan shows street trees would be added along the project frontage on Trousdale Drive and the El Camino Real frontage road. The type and location of the street trees would be determined by the City at the implementation stage. Note that street trees have a high canopy and would not obstruct the view of drivers exiting the project driveways.

The California Avenue driveway would be located 260 feet south of Trousdale Drive. However, because no roadway curve or on-street parking is present on California Avenue between Trousdale Drive and the driveway that would obstruct the vision of exiting drivers, vehicles exiting the driveway would be able to see approaching traffic on beyond Trousdale Drive with an adequate sight distance (greater than 300 feet) for the southbound traffic through traffic. Vehicles turning from Trousdale Drive to southbound California Avenue are expected to travel with lower speed while making turns. The Caltrans stopping sight distance is 200 feet based on a travel speed of 30 mph. Therefore, the sight distance (260 feet) for traffic turning from Trousdale Drive is adequate.

At the El Camino Real frontage road driveway, no roadway curve or on-street parking is present to the left side of the driveway that would obstruct the vision of exiting drivers. Therefore, vehicles exiting the driveway would be able to see approaching traffic on the frontage road with an adequate sight distance (greater than 200 feet).

At the Trousdale Drive driveway, based on the site plan and existing red curbs on the street, there would be no vehicles parked next to driveway. Therefore, vehicles exiting the driveway would be able to see approaching traffic on the frontage road with an adequate sight distance (greater than 200 feet).

Project Driveway Operations

The project-generated gross trips that are estimated to occur at the project driveways are shown in Figure 14. At the driveway on the El Camino Real frontage road, because vehicles can only make right turns, there would be minimal delay for inbound traffic. For outbound traffic, some on-site vehicle queuing could occur due to a combination of the inherent unpredictability of vehicle arrivals at the driveway and the random occurrence of gaps in traffic along the frontage road, but the queue is not expected to affect the on-site circulation.

For the driveway at California Avenue, the level of service analysis shows that that the outbound and left-turn inbound movements of the driveway would operate adequately (LOS C for the outbound traffic and LOS A for left-turn inbound traffic) with short delay under all project conditions. The project is estimated to add 23 and 8 new northbound left-turn trips in the AM and PM peak hours, respectively, at the driveway with the vehicle delay of 9 and 8 seconds per vehicle in the AM and PM peak hours, respectively, for the left-turn movement. The short delay is not expected to affect traffic flow on northbound California Avenue. Therefore, no operational issues related to vehicle queueing and/or

vehicle delay are expected to occur at the driveway. Some minor on-site vehicle queuing could occur due to a combination of the inherent unpredictability of vehicle arrivals at the driveway and the random occurrence of gaps in traffic along California Avenue. However, given the estimated 99 outbound trips in the PM peak hour at the driveway, that calculates to about one outbound trip every 36 seconds, the probability of two or more outbound vehicles exiting the parking garage at the same time would likely be low. The maximum queue is not expected to affect the on-site circulation. Additionally, vehicles turning right into the project site from California Avenue may block the travel lane momentarily due to vehicles slowing down to turn into the driveway, but this is unlikely to have a significant effect on traffic operations.

On-Site Circulation

On-site vehicular circulation was reviewed in accordance with the City of Burlingame Zoning Code and generally accepted traffic engineering standards. Generally, the proposed site plan would provide vehicle traffic with adequate connectivity through the parking areas. The site plan (see Figures 15 and 16) shows dead-end aisles in the lower level of the parking garage, but turn-around spaces would also be provided at the dead-end aisles.

The slope of the parking garage access ramp to the El Camino Real frontage road would be 10 percent. The site plan does not show where the ramp would meet ground level. It is recommended that a 20-foot flat area be provided in back of the sidewalk so exiting vehicles can see pedestrians on the sidewalk.

The project would provide 90-degree parking throughout the surface parking area and within the proposed parking garage. The City's standard minimum width for two-way drive aisles is 24 feet wide where 90-degree parking is provided. This allows sufficient room for vehicles to back out of the parking spaces. According to the site plan, the drive aisles throughout the parking garage measure 24 feet wide. Thus, adequate access to all parking stalls would be provided throughout the site.

Parking Stall Dimensions

Parking spaces are shown to be 17 feet long by 8.5 feet wide for standard parking spaces and 18 feet long by 9 feet wide for accessible parking spaces. According to the City of Burlingame Zoning Code for the North Burlingame Mixed-Use Zoning District, all parking stalls may be provided in a single dimension, 8.5 feet in width by 17 feet in length, except for required accessible parking spaces which shall meet the dimensions required in the California Building Code. The proposed parking space dimensions would meet the City requirements.

The project would provide two-level puzzle lifts in the lower level of the parking garage with lift pits. Therefore, it is expected that the parking lifts would have adequate height to accommodate all passenger vehicles.

Passenger Loading

The site plan shows a passenger loading area on-site for residents with access via the Trousdale Drive driveway. Another passenger loading area is shown along the El Camino Real frontage road that could be used for the retail and office space. The loading areas would allow for residents, employees, or visitors to be picked up or dropped off.

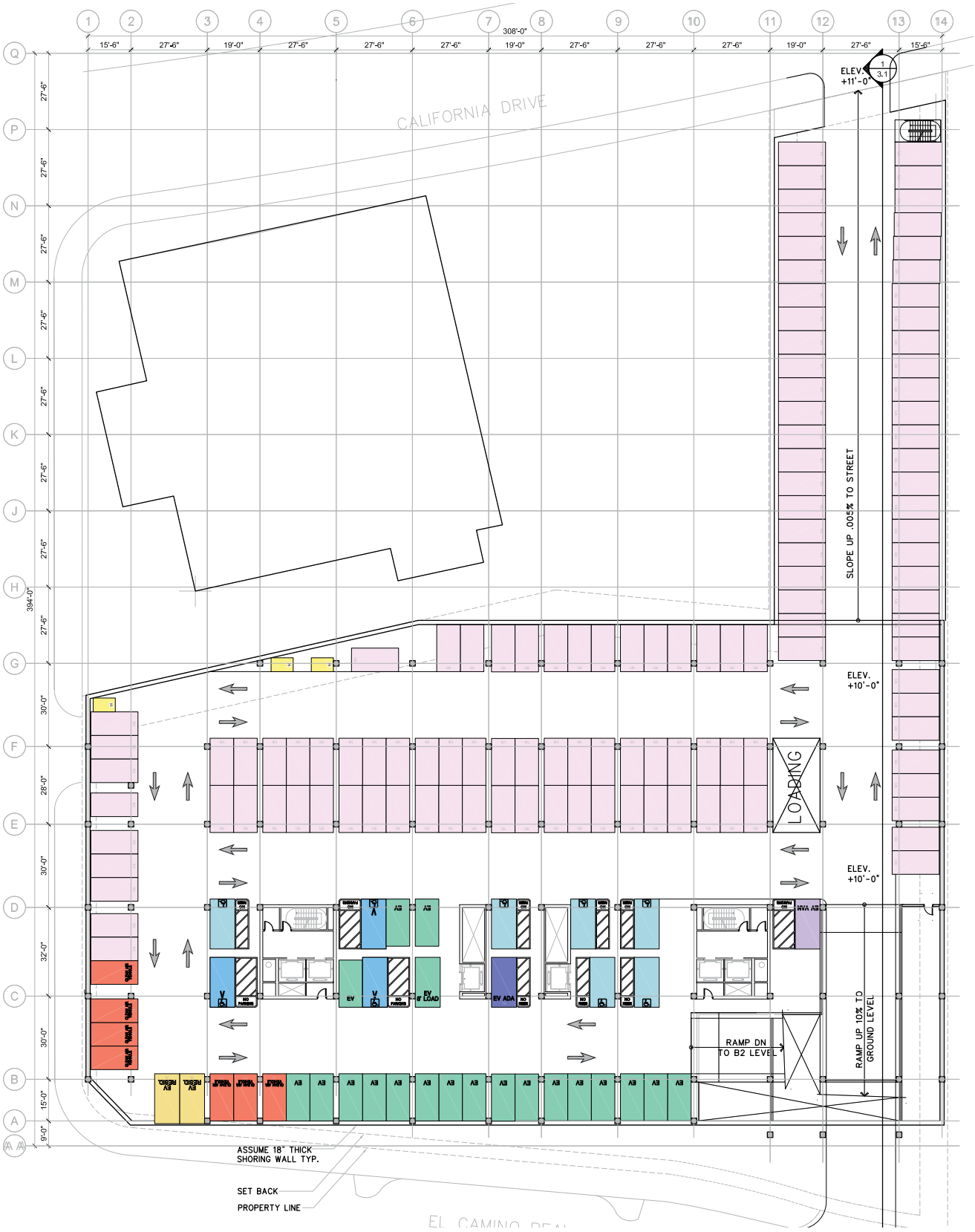


Figure 15
Parking Garage Plan - Level B1

NORTH
Not to Scale

Figure 16
Parking Garage Plan - Level B2

NORTH
Not to Scale

Bike and Pedestrian On-site Circulation

The site plan provides adequate pedestrian circulation throughout the site, as well as between the site and the surrounding pedestrian facilities. In addition to the sidewalks along Trousdale Drive and the frontage road, the site plan shows continuous a walkway along Trousdale Drive that provides pedestrian access between Trousdale Drive and the residential lobby and dog play area. It also shows a bulb-out at the southeast corner of the El Camino Real frontage road/Trousdale Drive intersection. The project proposes a bicycle parking room on the ground floor, which can be accessed from the residential lobby and the walkway in front of the residential lobby.

Although the City of Burlingame Zoning Code does not require bike parking for office use, to encourage bicycling by employees it is recommended the project provide secured bicycle parking for employees within the building or provide convenient access for employees to access the bicycle parking room.

Truck Access and Circulation

Garbage Collection

The site plan shows two trash rooms on the ground level of the building, one near Trousdale Drive and the other one near the El Camino Real frontage road. Garbage collection activities for the project are not expected to occur on-site due to access limitations. Therefore, the trash bins should be moved to the curb along Trousdale Drive and the El Camino Real frontage road on designated garbage collection days. Given that on-street parking is permitted along both streets, signs prohibiting parking during garbage pickup hours should be placed adjacent to the proposed staging areas. The trash bins also should be removed from the public right-of-way immediately after garbage pickup as to not impact AM or PM peak-hour traffic conditions.

Emergency Vehicle Access

Emergency vehicles access would be provided via Trousdale Drive, the El Camino Real frontage road, and the California Drive driveway. The site plan shows adequate access for emergency vehicles to access the building via the California Drive driveway.

Potential Effects on Pedestrians, Bicycles, and Transit Facilities

All new development projects in the City of Burlingame should encourage multi-modal travel, consistent with the goals of the City's General Plan. It is the goal of the General Plan that all development projects accommodate and encourage the use of non-automobile transportation modes to achieve Burlingame's mobility goals. In addition, the adopted Bicycle Transportation Plan establishes goals and policies to make bicycling a daily part of life in Burlingame. The Transportation Plan includes designated bike lanes where possible, as well as designated routes for both local and regional trips, to provide a complete connection through Burlingame. In order to further the goals of the City, pedestrian and bicycle facilities should be encouraged with new development projects.

The project is consistent with many of the General Plan's goals. The project is consistent with Goal M-6 in that the development is near Millbrae Station, is in a designated mixed-use area, and has a site design that is convenient for pedestrians.

Pedestrian Facilites

Pedestrian facilities in the study area consist of sidewalks, crosswalks, and pedestrian signals at signalized intersections (see Chapter 2 for details). Within a typical walking distance (a half mile or 10 minutes), continuous pedestrian facilities are present between the site and the surrounding land uses,

including the Millbrae Station and bus stops in the area. The project site plan shows sidewalks of approximately 10 feet in width along the Trousdale Drive and El Camino Real frontages. The project proposes to improve the frontages with planters and trees between the sidewalk and the roadway. The Trousdale Drive frontage would be set back with planters between the building and the sidewalk; and the El Camino Real frontage would be set back with landscaping and a pedestrian plaza between the building and the sidewalk. The project would also improve the El Camino Real frontage road/Trousdale Drive intersection with a bulb-out at the southeast corner, to reduce pedestrian crossing distance. The project is expected to increase the number of pedestrians using the sidewalks and crosswalks. The bulb-out would be beneficial to the project and the overall pedestrian network.

Bicycle Facilites

The project is adjacent to the bike lanes on California Avenue, which can connect to the bike routes on Broadway, Trousdale Drive between Magnolia Avenue and Ashton Avenue, and Rosedale Avenue/Ray Drive between California Drive and Devereux Drive. There are some planned additional bicycle facilities in the study area, including a bike route along Millbrae Avenue between Old Bayshore Highway and California Drive.

The project would not remove any bicycle facilities, nor would it conflict with any adopted plans or policies for new bicycle facilities.

Transit Services

The project site is well-served by transit, primarily by Caltrain and BART, whose distance is about 0.5-mile from the project site, an approximately 15-minute walk. The project is also adjacent to the bus stop for SamTrans bus route ECR, which provides frequent busses along El Camino Real. Both cycling and walking are feasible to reach the Millbrae Station. Table 6 shows a mixed-use trip reduction of 26 AM and 35 PM peak-hour trips. Some of the trip reduction would be made by transit riders. Given the number of trains during peak hours, it is expected that trains have sufficient capacity to accommodate an additional 3 to 4 riders per train or bus.

The project would not remove any transit facilities, nor would it conflict with any adopted plans or policies associated with new transit facilities. The project's proximity to the Millbrae Station makes it consistent with the City of Burlingame's General Plan Goal M-6, which encourages development that is supportive of transit use.

Parking

According to the City of Burlingame Zoning Code for the North Burlingame (NBMU) Mixed-Use District (Section 25.40.050), the project is required to provide 582 vehicle parking spaces (see Table 11). The project is proposing a Zoning Code Amendment to reduce the office parking ratio within the NMBU zone from 1:300 s.f. to 1:400 s.f., which would reduce the parking requirement to 458 parking spaces (69 for residents, 370 for office, and 19 for retail). The project also proposes a parking reduction by implementing a transportation demand management (TDM) plan. According to the Zoning Code Section 250.40.050, projects utilizing a TDM plan can be allowed up to a 20 percent reduction in required off-street vehicle parking (not including bicycle parking and EV stalls), provided the project provides for a permanent mobility mode shift towards alternative transportation of 25 percent or greater for building occupants through a TDM program. Therefore, the project requires City approval for any reduction in on-site vehicle parking spaces with a TDM plan that would achieve an alternative transportation mode share of 25 percent or greater. The recommended TDM measures the project could implement to achieve an alternative transportation mode share of 25 percent or greater are listed in Table 13 below. With the 20 percent parking reduction, the project would be required to provide 367 parking spaces.

With the Zoning Code Amendment and TDM reduction, the project proposes to provide 385 spaces, including 69 designated residential spaces, 143 stacked parking spaces, and 173 standard spaces in the ground parking area and parking garage, and 3 visitors spaces in the residential loading area. Of the 385 spaces, the site plan shows 72 spaces would be dedicated for residents and residential visitors but does not designate usage for the other 313 spaces.

The stacked parking spaces would be provided via 2-level puzzle lifts in the lower level of the parking garage. The project should encourage employees or residents to use the stacked spaces, thus allowing non-mechanical parking spaces within the garage to be available to retail customers. The project should also designate some non-mechanical parking spaces in the upper level of the parking garage for retail customers.

Table 11
Parking Requirement

Land Use	Size		Requirement	Spaces Needed
1-Bedroom	45	units	1 spaces per unit	45
2-Bedroom	12	units	1.5 spaces perunit	18
3-Bedroom	3	units	2 spaces per unit	6
			Residential Subtotal:	*69*
Office Sapce	148,057	square feet	1 spaces per 300 s.f.	494
Retail Space	7,588	square feet	1 spaces per 400 s.f.	19
			Total:	**582**

The Zoning Code requires residential developments in the NBMU District to provide 0.5 long-term bicycle parking spaces per unit and 0.05 short-term bicycle parking spaces per unit. There is no bicycle parking requirement for commercial developments. Therefore, the project is required to provide 30 long-term bicycle parking spaces and 3 short-term bicycle spaces. As proposed, the project would provide 80 long-term bicycle parking spaces in a bicycle room in the residential portion of the building, meeting the requirement for long-term bicycle parking. The site plan does not show locations of short-term bicycle spaces. Therefore, the project should provide at least 3 short-term bicycle spaces for residential guests in bicycle racks near the entrances of the building. Although there is no bicycle parking requirement for commercial developments, to encourage bicycling by patrons and employees, it is recommended the project provide secured bicycle parking for employees within the building and additional bicycle racks at several locations near entrances of the building for office visitors or retail customers.

7.
Freeway Segment Analysis and CMP Compliance

Freeway Segment Analysis

Per CMP technical guidelines, a freeway segment level of service analysis is required when a project is expected to add trips greater than one percent of a segment's capacity. New freeway trips generated by the project are expected to be considerably less than the one percent threshold of freeway capacity to all segments in the area. Therefore, a detailed analysis of freeway segments was not performed, and the project is considered to have an insignificant impact on the study freeway segments. A simple freeway segment capacity evaluation to substantiate this determination is presented in Table 12.

Table 12
Freeway Segment Capacity Evaluation

Freeway	Segment	Direction	Peak Hour	# of Lanes	Capacity[1]	Project Trips	% Capacity	Impact
US 101	Peninsula Avenue to Broadway	NB	AM	4	9,200	32	0.35%	NO
			PM	4	9,200	11	0.12%	NO
US 101	Broadway to Millbrae Avenue	NB	AM	4	9,200	10	0.11%	NO
			PM	4	9,200	3	0.03%	NO
US 101	Millbrae Avenue to I-380	NB	AM	4	9,200	9	0.10%	NO
			PM	4	9,200	27	0.29%	NO
US 101	I-380 to Millbrae Avenue	SB	AM	4	9,200	27	0.29%	NO
			PM	4	9,200	9	0.10%	NO
US 101	Millbrae Avenue to Broadway	SB	AM	4	9,200	3	0.03%	NO
			PM	4	9,200	10	0.11%	NO
US 101	Broadway to Peninsula Avenue	SB	AM	4	9,200	11	0.12%	NO
			PM	4	9,200	32	0.35%	NO

1. Freeway segment capacity is calculated based on the capacities cities in Highway Capacity Manual 2000 (2,200 vehicles per hour per lane (vphpl) for two-lane freeway segments and 2,300 vphpl for three-lane or larger freeway segments).

CMP Compliance

C/CAG requires developments that are estimated to generate 100 or more new peak-hour trips to implement transportation demand management (TDM) measures that provide trip credits equal to or

greater than the project's net peak-hour trip generation. Trip credits are applied to each TDM measure proposed, in accordance with the C/CAG TDM checklist. TDM measures include services, incentives, facilities, and actions that reduce single–occupant vehicle (SOV) trips to help relieve traffic congestion, parking demand, and air pollution problems.

The proposed project would generate approximately 150 net AM peak-hour trips and 169 net PM peak-hour trips. Table 13 provides a summary of the on-site features and recommended TDM measures for which the project can receive trip credit on the C/CAG checklist. The table shows that the project could provide up to 177 peak-hour trip credits, which meets the C/CAG requirement.

Table 13
Summary of Recommended TDM Measures and C/CAG Trip Credits

Recommended TDM Measure	Applicable Land Use	Implementation Responsibility	C/CAG Trip Credit Rate	Provided	Trips Credited
Proximity to the Millbrae Station	All Uses		-		
Make roads and streets more pedestrian and bicycle friendly *- Sidewalk improvements* *- A pedestrian plaza*	All Uses	Developer	5 trips/facility	2	10
Install/maintain safety and security systems for pedestrians and bicyclists *- Enhanced crosswalk with bulb out* *- Street lighting* *- ADA ramps*	All Uses	Developer	5 trips/facility	3	15
Provision of on-site amenities that encourage people to stay on site during the workday *- Fitness center* *- Bike/dog wash* *- Dog play/artificial turf*	Office and Residential	Developer	5 trips/feature	3	15
Secure bicycle storage	Residential	Developer	1 trip/3 bike lockers or racks	80	26
Operation of a commute assistance center, offering transit and commute alternatives, preferably staffed with a live person to assist building tenants with trip planning *- Transit information brochure rack, and transportation information packets for new tenants* *- Quarterly educational programs to support commute alternatives* *- Ridematching assistance*	Office and Residential	Property Manager and Office Tenants	1 trip/feature plus 1 trip/staffed hour	3	3
Install/maintain an online alternative transportation kiosk	Office and Residential	Property Manager	5 trips/kiosk	1	5
TDM Monitoring - survey employee and residents to examine use and best practices	Office and Residential	Property Manager	3 trips/survey conducted twice yearly	1	3
Unbundling of on-site parking	All Uses	Property Manager	-[1]	-[1]	2
Creation of preferential parking for carpoolers	Office and Retail	Property Manager	2 trips/carpool space	0[2]	0

Recommended TDM Measure	Applicable Land Use	Implementation Responsibility	C/CAG Trip Credit Rate	Provided	Trips Credited
Flextime: Implementation of an alternate hours workweek program *- Assumed 8% of office employees based on 300 s.f. per employee*	Office	Office Tenants	1 trip/employee that is offered to work staggered work hours	39	39
Subsidizing transit tickets for employees *- Assumed 10% of office employees based on 300 s.f. per employee.*	Office	Office Tenants	1 trip/transit pass (employers are recommended to subsidize at least 50% of employees' transit fares)	49	49
Emergency ride home program	Office	Office Tenants	-[3]	-[3]	2
Participate in/create/sponsor a Transportation Management Association			5 trips		
Encourage infill development			2% of peak-hour trips	1	3
Combine any 10 elements and receive 5 credits			5 trips	1	5
				Total:	**177**
				Net Project Trips:	**169**

Notes:
1. C/CAG's guidelines does not list the TDM measure. Credited trips are based on the trip credit for encouraging shared parking.
2. Site plan does not indicate whether there would be designated parking spaces for carpoolers.
3. C/CAG's guidelines does not list the TDM measure. Credited trips are based on the trip credit for joining the Alliance's guaranteed ride home program.

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Technical Appendices

June 22, 2020

Appendix A

Volume Summary

Existing Volume Adjustment Summary

Study Inter. #	N/S Street	E/W Street	Jurisdiction	Count Date AM	Count Date PM	Count Source	Number of growth years with 1% per year AM	Number of growth years with 1% per year PM
1	US 101 NB Ramps	Millbrae Ave	Millbrae	02/12/19	02/12/19	1 Adrian Court TIA	0	0
2	US 101 SB Ramps	Millbrae Ave	Millbrae	02/12/19	02/12/19	1 Adrian Court TIA	0	0
3	Rollins Rd	Millbrae Ave	Millbrae	02/12/19	02/12/19	1 Adrian Court TIA	0	0
4	El Camino Real	Millbrae Ave*	Millbrae	04/15/19	04/15/19	C/CAG	0	0
5	California Dr	Murchison Dr	Burlingame	03/19/14	03/19/14	Millbrae Station Area Plan	6	6
6	El Camino Real	Murchison Dr	Burlingame	04/05/16	04/05/16	Burlingame Road Diet	4	4
7	California Dr	Trousdale Dr	Burlingame	*None*	*None*	*Estimated using counts at #5 and #8*		
8	El Camino Real	Trousdale Dr	Burlingame	02/27/20	02/27/20	Burlingame Bicycle and Pedestrian Master Plan, Focused Corridor Analyses by Alta	0	0
9	El Camino Real	Broadway*	Burlingame	04/15/19	04/15/19	C/CAG	0	0
10	California Dr	Broadway	Burlingame	05/30/18	05/30/18	Topgolf Burlingame TIA by F&P	2	2
11	Rollins Rd	Broadway	Burlingame	02/12/19	02/12/19	1 Adrian Court TIA	0	0
12	US 101 SB Ramps	Broadway	Burlingame	01/09/20	01/09/20	30 Ingold TIA	0	0
13	Old Bayshore Hwy	Broadway	Burlingame	01/09/20	01/09/20	30 Ingold TIA	0	0
14	Old Bayshore Hwy	US 101 NB Ramps	Burlingame	01/09/20	01/09/20	30 Ingold TIA	0	0

Intersection Number: 1
Intersection Name: US 101 NB Ramps and Millbrae Ave
Peak Hour: AM
Date of Analysis: 06/08/20
Count Date: 02/12/19

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	7	0	0	271	183	0	69	2	832	743	1052	8	*3167*
Approved Project Trips													
1 Adrian Court Residential	0	0	0	0	2	0	0	0	4	0	6	0	*12*
1499 Old Bayshore Hwy Hotel	0	0	0	0	9	0	0	0	0	0	49	0	*58*
300 Airport Blvd Office	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Carolan Ave & Rollins Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1095 Rollin Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1600 Trousdale Dr Assisted Living Facility	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Gateway Development at Millbrae Station	0	0	0	0	7	0	0	0	88	0	5	0	*100*
Serra Station Development	0	0	0	0	4	0	0	0	56	0	3	0	*63*
Total Approved Trips	*0*	*0*	*0*	*0*	*22*	*0*	*0*	*0*	*148*	*0*	*63*	*0*	*233*
Background Conditions	7	0	0	271	205	0	69	2	980	743	1115	8	*3400*
Proposed Project Trips	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*10*	*0*	*0*	*0*	*10*
Existing + Project Conditions	7	0	0	271	183	0	69	2	842	743	1052	8	*3177*
Background + Project Conditions	7	0	0	271	205	0	69	2	990	743	1115	8	*3410*
Cumulative No Project Conditions	7	0	0	280	214	0	76	2	1014	769	1151	8	*3521*
Cumulative + Project Conditions	7	0	0	280	214	0	76	2	1024	769	1151	8	*3531*

Intersection Number: 2
Intersection Name: US 101 SB Ramps and Millbrae Ave
Peak Hour: AM
Date of Analysis: 06/08/20
Count Date: 02/12/19

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	914	0	643	49	1003	0	0	0	0	613	1130	0	*4352*
Approved Project Trips													
1 Adrian Court Residential	7	0	0	0	6	0	0	0	0	11	23	0	*47*
1499 Old Bayshore Hwy Hotel	0	0	34	0	9	0	0	0	0	0	15	0	*58*
300 Airport Blvd Office	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Carolan Ave & Rollins Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1095 Rollin Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1600 Trousdale Dr Assisted Living Facility	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Gateway Development at Millbrae Station	74	0	0	0	95	0	0	0	0	59	54	0	*282*
Serra Station Development	47	0	0	0	60	0	0	0	0	35	32	0	*174*
Total Approved Trips	*128*	*0*	*34*	*0*	*170*	*0*	*0*	*0*	*0*	*105*	*124*	*0*	*561*
Background Conditions	1042	0	677	49	1173	0	0	0	0	718	1254	0	*4913*
Proposed Project Trips	*27*	*0*	*0*	*0*	*10*	*0*	*0*	*0*	*0*	*0*	*9*	*0*	*46*
Existing + Project Conditions	941	0	643	49	1013	0	0	0	0	613	1139	0	*4398*
Background + Project Conditions	1069	0	677	49	1183	0	0	0	0	718	1263	0	*4959*
Cumulative No Project Conditions	1100	0	694	49	1117	0	0	0	0	718	1253	0	*4931*
Cumulative + Project Conditions	1127	0	694	49	1127	0	0	0	0	718	1262	0	*4977*

Intersection Number: 3
Intersection Name: Rollins Rd and Millbrae Ave
Peak Hour: AM
Date of Analysis: 06/08/20
Count Date: 02/12/19

	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
Scenario	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	48	17	132	493	859	401	248	129	150	337	1342	417	*4573*
Approved Project Trips													
1 Adrian Court Residential	0	0	0	0	0	13	34	0	19	8	0	0	*74*
1499 Old Bayshore Hwy Hotel	0	0	0	0	9	0	0	0	0	0	15	0	*24*
300 Airport Blvd Office	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Carolan Ave & Rollins Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1095 Rollin Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1600 Trousdale Dr Assisted Living Facility	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Gateway Development at Millbrae Station	93	30	113	169	0	0	0	44	0	0	0	139	*588*
Serra Station Development	0	0	0	0	107	0	0	0	11	7	66	0	*191*
Total Approved Trips	*93*	*30*	*113*	*169*	*116*	*13*	*34*	*44*	*30*	*15*	*81*	*139*	*877*
Background Conditions	141	47	245	662	975	414	282	173	180	352	1423	556	*5450*
Proposed Project Trips	*0*	*0*	*0*	*0*	*37*	*0*	*0*	*0*	*0*	*0*	*12*	*0*	*49*
Existing + Project Conditions	48	17	132	493	896	401	248	129	150	337	1354	417	*4622*
Background + Project Conditions	141	47	245	662	1012	414	282	173	180	352	1435	556	*5499*
Cumulative No Project Conditions	141	47	245	662	975	414	282	173	180	352	1423	556	*5450*
Cumulative + Project Conditions	141	47	245	662	1012	414	282	173	180	352	1435	556	*5499*

Intersection Number: 4
Intersection Name: El Camino Real and Millbrae Ave*
Peak Hour: AM
Date of Analysis: 06/08/20
Count Date: 04/15/19

	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
Scenario	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	36	786	798	755	295	359	715	431	31	45	648	108	*5007*
Approved Project Trips													
1 Adrian Court Residential	0	0	3	7	11	1	0	0	0	0	4	0	*26*
1499 Old Bayshore Hwy Hotel	0	0	8	5	0	4	7	0	0	0	0	0	*24*
300 Airport Blvd Office	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Carolan Ave & Rollins Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1095 Rollin Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1600 Trousdale Dr Assisted Living Facility	0	8	0	0	0	0	0	4	0	0	0	0	*12*
Gateway Development at Millbrae Station	0	0	67	45	7	41	62	0	0	0	11	0	*233*
Serra Station Development	4	12	37	80	0	38	37	19	0	0	0	7	*234*
Total Approved Trips	*4*	*20*	*115*	*137*	*18*	*84*	*106*	*23*	*0*	*0*	*15*	*7*	*529*
Background Conditions	40	806	913	892	313	443	821	454	31	45	663	115	*5536*
Proposed Project Trips	*0*	*17*	*0*	*8*	*0*	*29*	*12*	*4*	*0*	*0*	*0*	*0*	*70*
Existing + Project Conditions	36	803	798	763	295	388	727	435	31	45	648	108	*5077*
Background + Project Conditions	40	823	913	900	313	472	833	458	31	45	663	115	*5606*
Cumulative No Project Conditions	43	921	996	945	336	505	896	548	38	47	749	125	*6149*
Cumulative + Project Conditions	43	938	996	953	336	534	908	552	38	47	749	125	*6219*

Intersection Number: 5
Intersection Name: California Dr and Murchison Dr
Peak Hour: AM
Count Date: 03/19/14
Date of Analysis: 06/08/20

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	42	115	2	1	6	5	7	173	65	251	4	42	*713*
Approved Project Trips													
1 Adrian Court Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1499 Old Bayshore Hwy Hotel	0	0	0	0	0	0	0	0	0	0	0	0	*0*
300 Airport Blvd Office	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Carolan Ave & Rollins Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1095 Rollin Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1600 Trousdale Dr Assisted Living Facility	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Gateway Development at Millbrae Station	0	0	0	0	0	0	0	0	7	5	0	0	*12*
Serra Station Development	45	14	0	0	0	0	0	23	0	0	0	51	*133*
Total Approved Trips	*45*	*14*	*0*	*0*	*0*	*0*	*0*	*23*	*7*	*5*	*0*	*51*	*145*
Background Conditions	87	129	2	1	6	5	7	196	72	256	4	93	*858*
Proposed Project Trips	*0*	*8*	*0*	*0*	*0*	*0*	*0*	*2*	*8*	*20*	*0*	*0*	*38*
Existing + Project Conditions	42	123	2	1	6	5	7	175	73	271	4	42	*751*
Background + Project Conditions	87	137	2	1	6	5	7	198	80	276	4	93	*896*
Cumulative No Project Conditions	50	137	2	1	7	6	8	207	78	300	5	50	*851*
Cumulative + Project Conditions	50	145	2	1	7	6	8	209	86	320	5	50	*889*

Intersection Number: 6
Intersection Name: El Camino Real and Murchison Dr
Peak Hour: AM
Count Date: 04/05/16
Date of Analysis: 06/08/20

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	330	878	196	107	71	11	26	793	42	47	125	278	*2904*
Approved Project Trips													
1 Adrian Court Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1499 Old Bayshore Hwy Hotel	0	0	0	0	0	4	0	7	0	0	0	0	*11*
300 Airport Blvd Office	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Carolan Ave & Rollins Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1095 Rollin Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1600 Trousdale Dr Assisted Living Facility	0	8	0	0	0	0	0	4	0	0	0	0	*12*
Gateway Development at Millbrae Station	7	30	5	7	0	0	0	44	0	0	0	11	*104*
Serra Station Development	2	10	38	37	2	6	10	16	0	0	3	3	*127*
Total Approved Trips	*9*	*48*	*43*	*44*	*2*	*10*	*10*	*71*	*0*	*0*	*3*	*14*	*254*
Background Conditions	339	926	239	151	73	21	36	864	42	47	128	292	*3158*
Proposed Project Trips	*0*	*26*	*20*	*8*	*0*	*0*	*0*	*9*	*0*	*0*	*0*	*0*	*63*
Existing + Project Conditions	330	904	216	115	71	11	26	802	42	47	125	278	*2967*
Background + Project Conditions	339	952	259	159	73	21	36	873	42	47	128	292	*3221*
Cumulative No Project Conditions	394	1049	234	128	85	13	31	947	50	56	149	332	*3468*
Cumulative + Project Conditions	394	1075	254	136	85	13	31	956	50	56	149	332	*3531*

Intersection Number: 7
Intersection Name: California Dr and Trousdale Dr
Peak Hour: AM
Count Date: None
Date of Analysis: 06/08/20

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	80	290	1	0	2	2	2	194	125	304	1	51	*1052*
Approved Project Trips													
1 Adrian Court Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1499 Old Bayshore Hwy Hotel	0	0	0	0	0	0	0	0	0	0	0	0	*0*
300 Airport Blvd Office	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Carolan Ave & Rollins Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1095 Rollin Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1600 Trousdale Dr Assisted Living Facility	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Gateway Development at Millbrae Station	0	5	0	0	0	0	0	7	0	0	0	0	*12*
Serra Station Development	12	3	0	0	0	0	0	4	0	0	0	19	*38*
Total Approved Trips	*12*	*8*	*0*	*0*	*0*	*0*	*0*	*11*	*0*	*0*	*0*	*19*	*50*
Background Conditions	92	298	1	0	2	2	2	205	125	304	1	70	*1102*
Proposed Project Trips	*0*	*28*	*0*	*0*	*0*	*0*	*0*	*10*	*7*	*43*	*0*	*0*	*88*
Existing + Project Conditions	80	318	1	0	2	2	2	204	132	347	1	51	*1140*
Background + Project Conditions	92	326	1	0	2	2	2	215	132	347	1	70	*1190*
Cumulative No Project Conditions	96	346	1	0	2	2	2	232	149	363	1	61	*1255*
Cumulative + Project Conditions	96	374	1	0	2	2	2	242	156	406	1	61	*1343*

Intersection Number: 8
Intersection Name: El Camino Real and Trousdale Dr
Peak Hour: AM
Count Date: 02/27/20
Date of Analysis: 06/08/20

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	195	620	115	33	163	11	51	490	255	218	190	192	*2533*
Approved Project Trips													
1 Adrian Court Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1499 Old Bayshore Hwy Hotel	0	0	0	0	0	4	0	7	0	0	0	0	*11*
300 Airport Blvd Office	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Carolan Ave & Rollins Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1095 Rollin Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1600 Trousdale Dr Assisted Living Facility	8	0	0	0	0	0	0	0	8	4	0	4	*24*
Gateway Development at Millbrae Station	12	18	0	0	0	0	0	26	0	0	0	18	*74*
Serra Station Development	3	12	0	0	3	8	13	20	0	0	6	6	*71*
Total Approved Trips	*23*	*30*	*0*	*0*	*3*	*12*	*13*	*53*	*8*	*4*	*6*	*28*	*180*
Background Conditions	218	650	115	33	166	23	64	543	263	222	196	220	*2713*
Proposed Project Trips	*0*	*0*	*26*	*9*	*6*	*3*	*0*	*0*	*0*	*0*	*17*	*0*	*61*
Existing + Project Conditions	195	620	141	42	169	14	51	490	255	218	207	192	*2594*
Background + Project Conditions	218	650	141	42	172	26	64	543	263	222	213	220	*2774*
Cumulative No Project Conditions	323	889	124	27	196	11	49	1094	269	231	220	282	*3715*
Cumulative + Project Conditions	323	889	150	36	202	14	49	1094	269	231	237	282	*3776*

Intersection Number: 9
Intersection Name: El Camino Real and Broadway*
Peak Hour: AM
Count Date: 04/15/19
Date of Analysis: 06/08/20

Scenario	Southbound Approach RT	Southbound Approach TH	Southbound Approach LT	Westbound Approach RT	Westbound Approach TH	Westbound Approach LT	Northbound Approach RT	Northbound Approach TH	Northbound Approach LT	Eastbound Approach RT	Eastbound Approach TH	Eastbound Approach LT	Total
Existing Conditions	23	813	114	53	91	127	128	824	0	64	163	25	*2425*
Approved Project Trips													
1 Adrian Court Residential	0	0	0	0	0	7	3	0	0	0	0	0	*10*
1499 Old Bayshore Hwy Hotel	0	0	0	0	0	3	6	0	0	0	0	0	*9*
300 Airport Blvd Office	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Carolan Ave & Rollins Rd Residential	0	0	0	10	0	0	0	0	0	0	0	0	*10*
1095 Rollin Rd Residential	0	0	1	4	0	0	0	0	0	0	0	0	*5*
1600 Trousdale Dr Assisted Living Facility	0	4	0	0	0	0	0	8	0	0	0	0	*12*
Gateway Development at Millbrae Station	0	18	0	0	0	18	26	26	0	0	0	0	*88*
Serra Station Development	0	21	0	0	0	0	0	33	0	0	0	0	*54*
Total Approved Trips	*0*	*43*	*1*	*14*	*0*	*28*	*35*	*67*	*0*	*0*	*0*	*0*	*188*
Background Conditions	23	856	115	67	91	155	163	891	0	64	163	25	*2613*
Proposed Project Trips	*0*	*6*	*0*	*0*	*0*	*0*	*0*	*17*	*0*	*0*	*0*	*0*	*23*
Existing + Project Conditions	23	819	114	53	91	127	128	841	0	64	163	25	*2448*
Background + Project Conditions	23	862	115	67	91	155	163	908	0	64	163	25	*2636*
Cumulative No Project Conditions	27	1229	99	82	89	128	252	1345	0	71	183	18	*3523*
Cumulative + Project Conditions	27	1235	99	82	89	128	252	1362	0	71	183	18	*3546*

Intersection Number: 10
Intersection Name: California Dr and Broadway
Peak Hour: AM
Count Date: 05/30/18
Date of Analysis: 06/08/20

Scenario	Southbound Approach RT	Southbound Approach TH	Southbound Approach LT	Westbound Approach RT	Westbound Approach TH	Westbound Approach LT	Northbound Approach RT	Northbound Approach TH	Northbound Approach LT	Eastbound Approach RT	Eastbound Approach TH	Eastbound Approach LT	Total
Existing Conditions	22	340	409	358	293	258	452	386	45	28	424	3	*3018*
Approved Project Trips													
1 Adrian Court Residential	0	0	0	0	7	0	0	0	0	0	3	0	*10*
1499 Old Bayshore Hwy Hotel	0	0	0	0	3	3	6	0	0	0	6	0	*18*
300 Airport Blvd Office	15	56	-34	2	48	9	98	-80	6	18	-36	2	*104*
Carolan Ave & Rollins Rd Residential	0	0	0	2	10	0	0	0	0	0	0	0	*12*
1095 Rollin Rd Residential	0	0	1	0	4	0	0	0	0	0	1	0	*6*
1600 Trousdale Dr Assisted Living Facility	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Gateway Development at Millbrae Station	0	0	0	0	18	0	0	0	0	0	26	0	*44*
Serra Station Development	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Total Approved Trips	*15*	*56*	*-33*	*4*	*90*	*12*	*104*	*-80*	*6*	*18*	*0*	*2*	*194*
Background Conditions	37	396	376	362	383	270	556	306	51	46	424	5	*3212*
Proposed Project Trips	*0*	*0*	*8*	*23*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*31*
Existing + Project Conditions	22	340	417	381	293	258	452	386	45	28	424	3	*3049*
Background + Project Conditions	37	396	384	385	383	270	556	306	51	46	424	5	*3243*
Cumulative No Project Conditions	37	396	376	362	383	270	556	306	51	46	424	5	*3212*
Cumulative + Project Conditions	37	396	384	385	383	270	556	306	51	46	424	5	*3243*

Intersection Number: 11
Intersection Name: Rollins Rd and Broadway
Peak Hour: AM
Count Date: 02/12/19
Date of Analysis: 06/08/20

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	79	105	114	298	806	313	380	189	130	34	1076	170	*3694*
Approved Project Trips													
1 Adrian Court Residential	7	0	11	4	0	0	0	0	0	0	0	3	*25*
1499 Old Bayshore Hwy Hotel	0	0	0	0	7	3	5	0	0	0	15	0	*30*
300 Airport Blvd Office	7	3	13	30	60	29	26	7	3	10	107	21	*316*
Carolan Ave & Rollins Rd Residential	0	0	0	0	-1	-2	40	3	0	0	14	0	*54*
1095 Rollin Rd Residential	0	0	0	0	0	6	20	1	4	2	0	0	*33*
1600 Trousdale Dr Assisted Living Facility	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Gateway Development at Millbrae Station	18	0	0	0	0	0	0	0	0	0	0	26	*44*
Serra Station Development	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Total Approved Trips	*32*	*3*	*24*	*34*	*66*	*36*	*91*	*11*	*7*	*12*	*136*	*50*	*502*
Background Conditions	111	108	138	332	872	349	471	200	137	46	1212	220	*4196*
Proposed Project Trips	*0*	*0*	*0*	*0*	*23*	*0*	*0*	*0*	*0*	*0*	*8*	*0*	*31*
Existing + Project Conditions	79	105	114	298	829	313	380	189	130	34	1084	170	*3725*
Background + Project Conditions	111	108	138	332	895	349	471	200	137	46	1220	220	*4227*
Cumulative No Project Conditions	89	109	114	298	882	336	389	232	170	34	1355	237	*4245*
Cumulative + Project Conditions	89	109	114	298	905	336	389	232	170	34	1363	237	*4276*

Intersection Number: 12
Intersection Name: US 101 SB Ramps and Broadway
Peak Hour: AM
Count Date: 01/09/20
Date of Analysis: 06/08/20

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	850	21	364	0	538	241	0	0	0	473	1212	0	*3699*
Approved Project Trips													
1 Adrian Court Residential	0	0	0	0	4	0	0	0	0	11	0	0	*15*
1499 Old Bayshore Hwy Hotel	0	0	0	0	10	14	0	0	0	0	20	0	*44*
300 Airport Blvd Office	69	0	36	0	50	16	0	0	0	43	106	0	*320*
Carolan Ave & Rollins Rd Residential	-1	0	0	0	-1	0	0	0	0	19	36	0	*53*
1095 Rollin Rd Residential	2	0	0	0	4	0	0	0	0	7	13	0	*26*
1600 Trousdale Dr Assisted Living Facility	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Gateway Development at Millbrae Station	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Serra Station Development	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Total Approved Trips	*70*	*0*	*36*	*0*	*67*	*30*	*0*	*0*	*0*	*80*	*175*	*0*	*458*
Background Conditions	920	21	400	0	605	271	0	0	0	553	1387	0	*4157*
Proposed Project Trips	*0*	*0*	*0*	*0*	*23*	*0*	*0*	*0*	*0*	*8*	*0*	*0*	*31*
Existing + Project Conditions	850	21	364	0	561	241	0	0	0	481	1212	0	*3730*
Background + Project Conditions	920	21	400	0	628	271	0	0	0	561	1387	0	*4188*
Cumulative No Project Conditions	920	21	400	0	605	271	0	0	0	553	1387	0	*4157*
Cumulative + Project Conditions	920	21	400	0	628	271	0	0	0	561	1387	0	*4188*

Intersection Number: 13
Intersection Name: Old Bayshore Hwy and Broadway
Peak Hour: AM
Count Date: 01/09/20
Date of Analysis: 06/08/20

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	670	9	220	78	91	2	9	9	11	16	491	1098	*2704*
Approved Project Trips													
1 Adrian Court Residential	4	0	0	0	0	0	0	0	0	0	0	0	*4*
1499 Old Bayshore Hwy Hotel	24	0	4	7	0	0	0	0	0	0	0	20	*55*
300 Airport Blvd Office	60	5	12	9	4	1	2	6	2	6	32	104	*243*
Carolan Ave & Rollins Rd Residential	-1	0	0	0	0	0	0	0	0	0	3	33	*35*
1095 Rollin Rd Residential	4	0	0	0	0	0	0	0	0	0	1	12	*17*
1600 Trousdale Dr Assisted Living Facility	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Gateway Development at Millbrae Station	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Serra Station Development	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Total Approved Trips	*91*	*5*	*16*	*16*	*4*	*1*	*2*	*6*	*2*	*6*	*36*	*169*	*354*
Background Conditions	761	14	236	94	95	3	11	15	13	22	527	1267	*3058*
Proposed Project Trips	*23*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*23*
Existing + Project Conditions	693	9	220	78	91	2	9	9	11	16	491	1098	*2727*
Background + Project Conditions	784	14	236	94	95	3	11	15	13	22	527	1267	*3081*
Cumulative No Project Conditions	670	11	226	86	181	2	9	20	31	49	616	1260	*3161*
Cumulative + Project Conditions	693	11	226	86	181	2	9	20	31	49	616	1260	*3184*

Intersection Number: 14
Intersection Name: Old Bayshore Hwy and US 101 NB Ramps
Peak Hour: AM
Count Date: 01/09/20
Date of Analysis: 06/08/20

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	69	474	13	4	5	4	8	262	898	417	10	359	*2523*
Approved Project Trips													
1 Adrian Court Residential	0	0	0	0	0	0	0	0	0	4	0	0	*4*
1499 Old Bayshore Hwy Hotel	0	29	0	0	0	0	0	27	0	0	0	27	*83*
300 Airport Blvd Office	7	27	1	1	1	1	3	30	88	50	0	33	*242*
Carolan Ave & Rollins Rd Residential	0	0	0	0	0	0	0	4	29	-1	0	0	*32*
1095 Rollin Rd Residential	0	1	0	0	0	0	0	1	11	3	0	0	*16*
1600 Trousdale Dr Assisted Living Facility	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Gateway Development at Millbrae Station	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Serra Station Development	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Total Approved Trips	*7*	*57*	*1*	*1*	*1*	*1*	*3*	*62*	*128*	*56*	*0*	*60*	*377*
Background Conditions	76	531	14	5	6	5	11	324	1026	473	10	419	*2900*
Proposed Project Trips	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*23*	*0*	*0*	*23*
Existing + Project Conditions	69	474	13	4	5	4	8	262	898	440	10	359	*2546*
Background + Project Conditions	76	531	14	5	6	5	11	324	1026	496	10	419	*2923*
Cumulative No Project Conditions	76	531	14	5	6	5	11	324	1026	473	10	419	*2900*
Cumulative + Project Conditions	76	531	14	5	6	5	11	324	1026	496	10	419	*2923*

Intersection Number: 1
Intersection Name: US 101 NB Ramps and Millbrae Ave
Peak Hour: PM
Date of Analysis: 06/08/20
Count Date: 02/12/19

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	9	0	1	689	417	0	94	1	669	844	591	6	*3321*
Approved Project Trips													
1 Adrian Court Residential	0	0	0	0	6	0	0	0	11	0	4	0	*21*
1499 Old Bayshore Hwy Hotel	0	0	0	0	12	0	0	0	0	0	41	0	*53*
300 Airport Blvd Office	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Carolan Ave & Rollins Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1095 Rollin Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1600 Trousdale Dr Assisted Living Facility	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Gateway Development at Millbrae Station	0	0	0	0	6	0	0	0	74	0	7	0	*87*
Serra Station Development	0	0	0	0	3	0	0	0	42	0	5	0	*50*
Total Approved Trips	*0*	*0*	*0*	*0*	*27*	*0*	*0*	*0*	*127*	*0*	*57*	*0*	*211*
Background Conditions	9	0	1	689	444	0	94	1	796	844	648	6	*3532*
Proposed Project Trips	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*3*	*0*	*0*	*0*	*3*
Existing + Project Conditions	9	0	1	689	417	0	94	1	672	844	591	6	*3324*
Background + Project Conditions	9	0	1	689	444	0	94	1	799	844	648	6	*3535*
Cumulative No Project Conditions	9	0	1	695	449	0	95	1	803	852	654	6	*3565*
Cumulative + Project Conditions	9	0	1	695	449	0	95	1	806	852	654	6	*3568*

Intersection Number: 2
Intersection Name: US 101 SB Ramps and Millbrae Ave
Peak Hour: PM
Date of Analysis: 06/08/20
Count Date: 02/12/19

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	797	0	378	66	1034	0	0	0	0	812	1012	0	*4099*
Approved Project Trips													
1 Adrian Court Residential	18	0	0	0	16	0	0	0	0	7	16	0	*57*
1499 Old Bayshore Hwy Hotel	0	0	28	0	12	0	0	0	0	0	13	0	*53*
300 Airport Blvd Office	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Carolan Ave & Rollins Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1095 Rollin Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1600 Trousdale Dr Assisted Living Facility	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Gateway Development at Millbrae Station	62	0	0	0	80	0	0	0	0	88	81	0	*311*
Serra Station Development	35	0	0	0	45	0	0	0	0	68	62	0	*210*
Total Approved Trips	*115*	*0*	*28*	*0*	*153*	*0*	*0*	*0*	*0*	*163*	*172*	*0*	*631*
Background Conditions	912	0	406	66	1187	0	0	0	0	975	1184	0	*4730*
Proposed Project Trips	*9*	*0*	*0*	*0*	*3*	*0*	*0*	*0*	*0*	*0*	*27*	*0*	*39*
Existing + Project Conditions	806	0	378	66	1037	0	0	0	0	812	1039	0	*4138*
Background + Project Conditions	921	0	406	66	1190	0	0	0	0	975	1211	0	*4769*
Cumulative No Project Conditions	980	0	462	66	1079	0	0	0	0	975	1292	0	*4854*
Cumulative + Project Conditions	989	0	462	66	1082	0	0	0	0	975	1319	0	*4893*

Intersection Number: 3
Intersection Name: Rollins Rd and Millbrae Ave
Peak Hour: PM
Date of Analysis: 06/08/20
Count Date: 02/12/19

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	234	55	401	175	1460	280	505	49	435	321	908	72	*4895*
Approved Project Trips													
1 Adrian Court Residential	0	0	0	0	0	34	23	0	13	19	0	0	*89*
1499 Old Bayshore Hwy Hotel	0	0	0	0	12	0	0	0	0	0	13	0	*25*
300 Airport Blvd Office	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Carolan Ave & Rollins Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1095 Rollin Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1600 Trousdale Dr Assisted Living Facility	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Gateway Development at Millbrae Station	138	44	168	142	0	0	0	37	0	0	0	117	*646*
Serra Station Development	0	0	0	0	80	0	0	0	8	14	130	0	*232*
Total Approved Trips	*138*	*44*	*168*	*142*	*92*	*34*	*23*	*37*	*21*	*33*	*143*	*117*	*992*
Background Conditions	372	99	569	317	1552	314	528	86	456	354	1051	189	*5887*
Proposed Project Trips	*0*	*0*	*0*	*0*	*13*	*0*	*0*	*0*	*0*	*0*	*36*	*0*	*49*
Existing + Project Conditions	234	55	401	175	1473	280	505	49	435	321	944	72	*4944*
Background + Project Conditions	372	99	569	317	1565	314	528	86	456	354	1087	189	*5936*
Cumulative No Project Conditions	372	99	569	317	1552	314	528	86	456	354	1051	189	*5887*
Cumulative + Project Conditions	372	99	569	317	1565	314	528	86	456	354	1087	189	*5936*

Intersection Number: 4
Intersection Name: El Camino Real and Millbrae Ave*
Peak Hour: PM
Date of Analysis: 06/08/20
Count Date: 04/15/19

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	58	774	642	1055	648	508	599	666	58	36	319	127	*5490*
Approved Project Trips													
1 Adrian Court Residential	0	0	7	5	7	1	0	0	0	0	11	0	*31*
1499 Old Bayshore Hwy Hotel	0	0	7	6	0	6	6	0	0	0	0	0	*25*
300 Airport Blvd Office	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Carolan Ave & Rollins Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1095 Rollin Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1600 Trousdale Dr Assisted Living Facility	0	6	0	0	0	0	0	10	0	0	0	0	*16*
Gateway Development at Millbrae Station	0	0	56	67	11	61	52	0	0	0	9	0	*256*
Serra Station Development	8	23	72	60	0	28	72	14	0	0	0	5	*282*
Total Approved Trips	*8*	*29*	*142*	*138*	*18*	*96*	*130*	*24*	*0*	*0*	*20*	*5*	*610*
Background Conditions	66	803	784	1193	666	604	729	690	58	36	339	132	*6100*
Proposed Project Trips	*0*	*9*	*0*	*3*	*0*	*10*	*36*	*13*	*1*	*1*	*0*	*0*	*73*
Existing + Project Conditions	58	783	642	1058	648	518	635	679	59	37	319	127	*5563*
Background + Project Conditions	66	812	784	1196	666	614	765	703	59	37	339	132	*6173*
Cumulative No Project Conditions	70	871	819	1245	702	642	761	741	66	40	355	137	*6449*
Cumulative + Project Conditions	70	880	819	1248	702	652	797	754	67	41	355	137	*6522*

Intersection Number: 5
Intersection Name: California Dr and Murchison Dr
Peak Hour: PM
Date of Analysis: 06/08/20
Count Date: 03/19/14

	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
Scenario	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	71	92	0	3	12	10	1	244	131	194	0	52	*810*
Approved Project Trips													
1 Adrian Court Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1499 Old Bayshore Hwy Hotel	0	0	0	0	0	0	0	0	0	0	0	0	*0*
300 Airport Blvd Office	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Carolan Ave & Rollins Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1095 Rollin Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1600 Trousdale Dr Assisted Living Facility	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Gateway Development at Millbrae Station	0	0	0	0	0	0	0	0	6	7	0	0	*13*
Serra Station Development	88	28	0	0	0	0	0	17	0	0	0	38	*171*
Total Approved Trips	*88*	*28*	*0*	*0*	*0*	*0*	*0*	*17*	*6*	*7*	*0*	*38*	*184*
Background Conditions	159	120	0	3	12	10	1	261	137	201	0	90	*994*
Proposed Project Trips	*0*	*3*	*0*	*0*	*0*	*0*	*0*	*6*	*22*	*7*	*0*	*0*	*38*
Existing + Project Conditions	71	95	0	3	12	10	1	250	153	201	0	52	*848*
Background + Project Conditions	159	123	0	3	12	10	1	267	159	208	0	90	*1032*
Cumulative No Project Conditions	159	120	0	3	12	10	1	261	137	201	0	90	*994*
Cumulative + Project Conditions	159	123	0	3	12	10	1	267	159	208	0	90	*1032*

Intersection Number: 6
Intersection Name: El Camino Real and Murchison Dr
Peak Hour: PM
Date of Analysis: 06/08/20
Count Date: 04/05/16

	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
Scenario	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	224	1095	233	188	96	34	44	821	76	73	88	252	*3224*
Approved Project Trips													
1 Adrian Court Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1499 Old Bayshore Hwy Hotel	0	0	0	0	0	6	0	6	0	0	0	0	*12*
300 Airport Blvd Office	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Carolan Ave & Rollins Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1095 Rollin Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1600 Trousdale Dr Assisted Living Facility	0	6	0	0	0	0	0	10	0	0	0	0	*16*
Gateway Development at Millbrae Station	11	44	7	6	0	0	0	37	0	0	0	9	*114*
Serra Station Development	4	19	28	72	4	12	7	12	0	0	2	2	*162*
Total Approved Trips	*15*	*69*	*35*	*78*	*4*	*18*	*7*	*65*	*0*	*0*	*2*	*11*	*304*
Background Conditions	239	1164	268	266	100	52	51	886	76	73	90	263	*3528*
Proposed Project Trips	*0*	*13*	*7*	*22*	*0*	*0*	*0*	*28*	*0*	*0*	*0*	*0*	*70*
Existing + Project Conditions	224	1108	240	210	96	34	44	849	76	73	88	252	*3294*
Background + Project Conditions	239	1177	275	288	100	52	51	914	76	73	90	263	*3598*
Cumulative No Project Conditions	263	1284	273	220	113	40	52	963	89	86	103	296	*3782*
Cumulative + Project Conditions	263	1297	280	242	113	40	52	991	89	86	103	296	*3852*

Intersection Number: 7
Intersection Name: California Dr and Trousdale Dr
Peak Hour: PM
Date of Analysis: 06/08/20
Count Date: None

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	108	188	0	1	4	3	0	318	198	211	0	57	*1088*
Approved Project Trips													
1 Adrian Court Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1499 Old Bayshore Hwy Hotel	0	0	0	0	0	0	0	0	0	0	0	0	*0*
300 Airport Blvd Office	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Carolan Ave & Rollins Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1095 Rollin Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1600 Trousdale Dr Assisted Living Facility	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Gateway Development at Millbrae Station	0	7	0	0	0	0	0	6	0	0	0	0	*13*
Serra Station Development	23	5	0	0	0	0	0	3	0	0	0	14	*45*
Total Approved Trips	*23*	*12*	*0*	*0*	*0*	*0*	*0*	*9*	*0*	*0*	*0*	*14*	*58*
Background Conditions	131	200	0	1	4	3	0	327	198	211	0	71	*1146*
Proposed Project Trips	*0*	*10*	*0*	*0*	*0*	*0*	*0*	*29*	*20*	*21*	*0*	*0*	*80*
Existing + Project Conditions	108	198	0	1	4	3	0	347	218	232	0	57	*1168*
Background + Project Conditions	131	210	0	1	4	3	0	356	218	232	0	71	*1226*
Cumulative No Project Conditions	127	220	0	1	5	4	0	373	232	247	0	67	*1276*
Cumulative + Project Conditions	127	230	0	1	5	4	0	402	252	268	0	67	*1356*

Intersection Number: 8
Intersection Name: El Camino Real and Trousdale Dr
Peak Hour: PM
Date of Analysis: 06/08/20
Count Date: 02/27/20

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	175	764	74	58	232	20	30	697	230	223	164	267	*2934*
Approved Project Trips													
1 Adrian Court Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1499 Old Bayshore Hwy Hotel	0	0	0	0	0	6	0	6	0	0	0	0	*12*
300 Airport Blvd Office	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Carolan Ave & Rollins Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1095 Rollin Rd Residential	0	0	0	0	0	0	0	0	0	0	0	0	*0*
1600 Trousdale Dr Assisted Living Facility	6	0	0	0	0	0	0	0	6	10	0	10	*32*
Gateway Development at Millbrae Station	18	26	0	0	0	0	0	22	0	0	0	15	*81*
Serra Station Development	7	24	0	0	7	16	10	15	0	0	4	4	*87*
Total Approved Trips	*31*	*50*	*0*	*0*	*7*	*22*	*10*	*43*	*6*	*10*	*4*	*29*	*212*
Background Conditions	206	814	74	58	239	42	40	740	236	233	168	296	*3146*
Proposed Project Trips	*0*	*0*	*13*	*28*	*19*	*10*	*0*	*0*	*0*	*0*	*8*	*0*	*78*
Existing + Project Conditions	175	764	87	86	251	30	30	697	230	223	172	267	*3012*
Background + Project Conditions	206	814	87	86	258	52	40	740	236	233	176	296	*3224*
Cumulative No Project Conditions	277	1247	113	115	229	22	24	986	267	239	184	250	*3953*
Cumulative + Project Conditions	277	1247	126	143	248	32	24	986	267	239	192	250	*4031*

Intersection Number: 9
Intersection Name: El Camino Real and Broadway*
Peak Hour: PM
Date of Analysis: 06/08/20
Count Date: 04/15/19

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	33	751	109	64	80	118	140	919	2	34	117	16	*2383*
Approved Project Trips													
1 Adrian Court Residential	0	0	0	0	0	5	7	0	0	0	0	0	*12*
1499 Old Bayshore Hwy Hotel	0	0	0	0	0	5	5	0	0	0	0	0	*10*
300 Airport Blvd Office	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Carolan Ave & Rollins Rd Residential	0	0	8	2	0	0	0	0	0	0	0	0	*10*
1095 Rollin Rd Residential	0	0	2	1	0	0	0	0	0	0	0	0	*3*
1600 Trousdale Dr Assisted Living Facility	0	10	0	0	0	0	0	6	0	0	0	0	*16*
Gateway Development at Millbrae Station	0	26	0	0	0	26	22	22	0	0	0	0	*96*
Serra Station Development	0	41	0	0	0	0	0	25	0	0	0	0	*66*
Total Approved Trips	*0*	*77*	*10*	*3*	*0*	*36*	*34*	*53*	*0*	*0*	*0*	*0*	*213*
Background Conditions	33	828	119	67	80	154	174	972	2	34	117	16	*2596*
Proposed Project Trips	*1*	*19*	*0*	*0*	*0*	*0*	*0*	*9*	*0*	*0*	*0*	*1*	*30*
Existing + Project Conditions	34	770	109	64	80	118	140	928	2	34	117	17	*2413*
Background + Project Conditions	34	847	119	67	80	154	174	981	2	34	117	17	*2626*
Cumulative No Project Conditions	22	1322	110	129	92	184	161	1414	1	58	115	12	*3620*
Cumulative + Project Conditions	23	1341	110	129	92	184	161	1423	1	58	115	13	*3650*

Intersection Number: 10
Intersection Name: California Dr and Broadway
Peak Hour: PM
Date of Analysis: 06/08/20
Count Date: 05/30/18

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	32	337	309	454	436	312	383	401	38	48	249	10	*3009*
Approved Project Trips													
1 Adrian Court Residential	0	0	0	0	5	0	0	0	0	0	7	0	*12*
1499 Old Bayshore Hwy Hotel	0	0	0	0	5	4	5	0	0	0	5	0	*19*
300 Airport Blvd Office	23	59	84	179	91	42	53	-21	88	18	63	5	*684*
Carolan Ave & Rollins Rd Residential	0	0	2	0	2	0	0	0	0	0	8	0	*12*
1095 Rollin Rd Residential	0	0	0	0	1	0	0	0	0	0	2	0	*3*
1600 Trousdale Dr Assisted Living Facility	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Gateway Development at Millbrae Station	0	0	0	0	26	0	0	0	0	0	22	0	*48*
Serra Station Development	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Total Approved Trips	*23*	*59*	*86*	*179*	*130*	*46*	*58*	*-21*	*88*	*18*	*107*	*5*	*778*
Background Conditions	55	396	395	633	566	358	441	380	126	66	356	15	*3787*
Proposed Project Trips	*0*	*0*	*22*	*8*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*30*
Existing + Project Conditions	32	337	331	462	436	312	383	401	38	48	249	10	*3039*
Background + Project Conditions	55	396	417	641	566	358	441	380	126	66	356	15	*3817*
Cumulative No Project Conditions	55	396	395	633	566	358	441	380	126	66	356	15	*3787*
Cumulative + Project Conditions	55	396	417	641	566	358	441	380	126	66	356	15	*3817*

Intersection Number: 11
Intersection Name: Rollins Rd and Broadway
Peak Hour: PM
Date of Analysis: 06/08/20
Count Date: 02/12/19

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	170	211	295	134	1096	473	218	62	45	51	838	143	*3736*
Approved Project Trips													
1 Adrian Court Residential	5	0	7	11	0	0	0	0	0	0	0	7	*30*
1499 Old Bayshore Hwy Hotel	0	0	0	0	12	4	5	0	0	0	12	0	*33*
300 Airport Blvd Office	29	29	41	13	114	78	27	6	5	17	91	13	*463*
Carolan Ave & Rollins Rd Residential	0	2	0	0	12	34	8	1	0	0	3	0	*60*
1095 Rollin Rd Residential	0	1	0	0	0	14	2	0	1	2	0	0	*20*
1600 Trousdale Dr Assisted Living Facility	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Gateway Development at Millbrae Station	26	0	0	0	0	0	0	0	0	0	0	22	*48*
Serra Station Development	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Total Approved Trips	*60*	*32*	*48*	*24*	*138*	*130*	*42*	*7*	*6*	*19*	*106*	*42*	*654*
Background Conditions	230	243	343	158	1234	603	260	69	51	70	944	185	*4390*
Proposed Project Trips	*0*	*0*	*0*	*0*	*8*	*0*	*0*	*0*	*0*	*0*	*22*	*0*	*30*
Existing + Project Conditions	170	211	295	134	1104	473	218	62	45	51	860	143	*3766*
Background + Project Conditions	230	243	343	158	1242	603	260	69	51	70	966	185	*4420*
Cumulative No Project Conditions	196	269	295	134	1600	618	283	74	45	52	1036	143	*4745*
Cumulative + Project Conditions	196	269	295	134	1608	618	283	74	45	52	1058	143	*4775*

Intersection Number: 12
Intersection Name: US 101 SB Ramps and Broadway
Peak Hour: PM
Date of Analysis: 06/08/20
Count Date: 01/09/20

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	921	1	198	0	701	514	0	0	0	582	870	0	*3787*
Approved Project Trips													
1 Adrian Court Residential	0	0	0	0	11	0	0	0	0	7	0	0	*18*
1499 Old Bayshore Hwy Hotel	0	0	0	0	16	24	0	0	0	0	17	0	*57*
300 Airport Blvd Office	129	0	14	0	78	57	0	0	0	59	102	0	*439*
Carolan Ave & Rollins Rd Residential	25	0	0	0	22	0	0	0	0	4	7	0	*58*
1095 Rollin Rd Residential	5	0	0	0	9	0	0	0	0	1	1	0	*16*
1600 Trousdale Dr Assisted Living Facility	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Gateway Development at Millbrae Station	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Serra Station Development	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Total Approved Trips	*159*	*0*	*14*	*0*	*136*	*81*	*0*	*0*	*0*	*71*	*127*	*0*	*588*
Background Conditions	1080	1	212	0	837	595	0	0	0	653	997	0	*4375*
Proposed Project Trips	*0*	*0*	*0*	*0*	*8*	*0*	*0*	*0*	*0*	*22*	*0*	*0*	*30*
Existing + Project Conditions	921	1	198	0	709	514	0	0	0	604	870	0	*3817*
Background + Project Conditions	1080	1	212	0	845	595	0	0	0	675	997	0	*4405*
Cumulative No Project Conditions	1068	1	312	0	1177	578	0	0	0	582	1111	0	*4829*
Cumulative + Project Conditions	1068	1	312	0	1185	578	0	0	0	604	1111	0	*4859*

Intersection Number: 13
Intersection Name: Old Bayshore Hwy and Broadway
Peak Hour: PM
Date of Analysis: 06/08/20
Count Date: 01/09/20

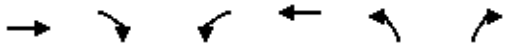
Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	1015	5	112	145	231	2	5	8	10	13	243	820	*2609*
Approved Project Trips													
1 Adrian Court Residential	11	0	0	0	0	0	0	0	0	0	0	0	*11*
1499 Old Bayshore Hwy Hotel	40	0	6	6	0	0	0	0	0	0	0	17	*69*
300 Airport Blvd Office	122	3	55	14	11	1	1	4	2	1	22	94	*330*
Carolan Ave & Rollins Rd Residential	20	0	0	0	2	0	0	0	0	0	1	6	*29*
1095 Rollin Rd Residential	8	0	0	0	1	0	0	0	0	0	0	1	*10*
1600 Trousdale Dr Assisted Living Facility	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Gateway Development at Millbrae Station	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Serra Station Development	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Total Approved Trips	*201*	*3*	*61*	*20*	*14*	*1*	*1*	*4*	*2*	*1*	*23*	*118*	*449*
Background Conditions	1216	8	173	165	245	3	6	12	12	14	266	938	*3058*
Proposed Project Trips	*8*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*8*
Existing + Project Conditions	1023	5	112	145	231	2	5	8	10	13	243	820	*2617*
Background + Project Conditions	1224	8	173	165	245	3	6	12	12	14	266	938	*3066*
Cumulative No Project Conditions	1373	10	124	145	379	2	5	25	44	59	370	1001	*3537*
Cumulative + Project Conditions	1381	10	124	145	379	2	5	25	44	59	370	1001	*3545*

Intersection Number: 14
Intersection Name: Old Bayshore Hwy and US 101 NB Ramps
Peak Hour: PM
Date of Analysis: 06/08/20
Count Date: 01/09/20

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	207	666	9	7	12	19	18	231	704	444	13	179	*2509*
Approved Project Trips													
1 Adrian Court Residential	0	0	0	0	0	0	0	0	0	11	0	0	*11*
1499 Old Bayshore Hwy Hotel	0	46	0	0	0	0	0	23	0	0	0	23	*92*
300 Airport Blvd Office	20	118	2	1	1	1	3	27	86	60	0	17	*336*
Carolan Ave & Rollins Rd Residential	0	3	0	0	0	0	0	1	5	16	0	0	*25*
1095 Rollin Rd Residential	0	1	0	0	0	0	0	0	1	3	0	0	*5*
1600 Trousdale Dr Assisted Living Facility	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Gateway Development at Millbrae Station	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Serra Station Development	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Total Approved Trips	*20*	*168*	*2*	*1*	*1*	*1*	*3*	*51*	*92*	*90*	*0*	*40*	*469*
Background Conditions	227	834	11	8	13	20	21	282	796	534	13	219	*2978*
Proposed Project Trips	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*8*	*0*	*0*	*8*
Existing + Project Conditions	207	666	9	7	12	19	18	231	704	452	13	179	*2517*
Background + Project Conditions	227	834	11	8	13	20	21	282	796	542	13	219	*2986*
Cumulative No Project Conditions	221	796	9	7	12	19	18	324	706	689	13	189	*3003*
Cumulative + Project Conditions	221	796	9	7	12	19	18	324	706	697	13	189	*3011*

Appendix B

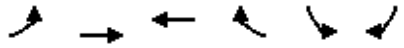
Level of Service Calculations



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	1052	743	0	183	832	69
Future Volume (veh/h)	1052	743	0	183	832	69
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	1863	1863	1863
Adj Flow Rate, veh/h	1052	0	0	183	832	36
Adj No. of Lanes	2	1	0	2	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	0	2	2	2
Cap, veh/h	1704	763	0	1704	1272	585
Arrive On Green	0.48	0.00	0.00	0.48	0.37	0.37
Sat Flow, veh/h	3632	1583	0	3725	3442	1583
Grp Volume(v), veh/h	1052	0	0	183	832	36
Grp Sat Flow(s),veh/h/ln	1770	1583	0	1770	1721	1583
Q Serve(g_s), s	8.8	0.0	0.0	1.1	8.1	0.6
Cycle Q Clear(g_c), s	8.8	0.0	0.0	1.1	8.1	0.6
Prop In Lane		1.00	0.00		1.00	1.00
Lane Grp Cap(c), veh/h	1704	763	0	1704	1272	585
V/C Ratio(X)	0.62	0.00	0.00	0.11	0.65	0.06
Avail Cap(c_a), veh/h	2546	1139	0	2546	2562	1178
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	7.7	0.0	0.0	5.7	10.6	8.2
Incr Delay (d2), s/veh	0.4	0.0	0.0	0.0	0.6	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.3	0.0	0.0	0.5	3.9	0.3
LnGrp Delay(d),s/veh	8.1	0.0	0.0	5.7	11.1	8.2
LnGrp LOS	A			A	B	A
Approach Vol, veh/h	1052			183	868	
Approach Delay, s/veh	8.1			5.7	11.0	
Approach LOS	A			A	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		17.9		22.4				22.4
Change Period (Y+Rc), s		4.5		4.5				4.5
Max Green Setting (Gmax), s		28.5		27.5				27.5
Max Q Clear Time (g_c+I1), s		10.1		10.8				3.1
Green Ext Time (p_c), s		3.3		7.1				1.1

Intersection Summary	
HCM 2010 Ctrl Delay	9.1
HCM 2010 LOS	A



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	1130	1003	49	643	914
Future Volume (veh/h)	0	1130	1003	49	643	914
Number	7	4	8	18	1	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	0	1130	1003	0	514	1037
Adj No. of Lanes	0	3	3	0	1	2
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	0	2	2	2	2	2
Cap, veh/h	0	2094	2094	0	843	1505
Arrive On Green	0.00	0.41	0.41	0.00	0.48	0.48
Sat Flow, veh/h	0	5421	5421	0	1774	3167
Grp Volume(v), veh/h	0	1130	1003	0	514	1037
Grp Sat Flow(s),veh/h/ln	0	1695	1695	0	1774	1583
Q Serve(g_s), s	0.0	8.9	7.7	0.0	11.4	13.6
Cycle Q Clear(g_c), s	0.0	8.9	7.7	0.0	11.4	13.6
Prop In Lane	0.00			0.00	1.00	1.00
Lane Grp Cap(c), veh/h	0	2094	2094	0	843	1505
V/C Ratio(X)	0.00	0.54	0.48	0.00	0.61	0.69
Avail Cap(c_a), veh/h	0	3831	3831	0	2305	4115
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	11.8	11.4	0.0	10.3	10.9
Incr Delay (d2), s/veh	0.0	0.2	0.2	0.0	0.7	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	4.1	3.6	0.0	5.6	5.9
LnGrp Delay(d),s/veh	0.0	12.0	11.6	0.0	11.0	11.4
LnGrp LOS		B	B		B	B
Approach Vol, veh/h		1130	1003		1551	
Approach Delay, s/veh		12.0	11.6		11.3	
Approach LOS		B	B		B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs				4		6		8
Phs Duration (G+Y+Rc), s				24.9		28.2		24.9
Change Period (Y+Rc), s				4.5		4.5		4.5
Max Green Setting (Gmax), s				38.5		67.5		38.5
Max Q Clear Time (g_c+I1), s				10.9		15.6		9.7
Green Ext Time (p_c), s				9.4		8.2		8.3

Intersection Summary	
HCM 2010 Ctrl Delay	11.6
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	417	1342	337	401	859	493	150	129	248	132	17	48
Future Volume (veh/h)	417	1342	337	401	859	493	150	129	248	132	17	48
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	417	1342	176	401	859	242	150	129	34	132	17	21
Adj No. of Lanes	1	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	508	2224	692	601	1657	516	413	223	467	326	177	150
Arrive On Green	0.29	0.44	0.44	0.17	0.33	0.33	0.12	0.12	0.12	0.09	0.09	0.09
Sat Flow, veh/h	1774	5085	1583	3442	5085	1583	3442	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	417	1342	176	401	859	242	150	129	34	132	17	21
Grp Sat Flow(s),veh/h/ln	1774	1695	1583	1721	1695	1583	1721	1863	1583	1721	1863	1583
Q Serve(g_s), s	15.2	14.0	4.9	7.5	9.5	8.4	2.8	4.5	0.0	2.5	0.6	0.8
Cycle Q Clear(g_c), s	15.2	14.0	4.9	7.5	9.5	8.4	2.8	4.5	0.0	2.5	0.6	0.8
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	508	2224	692	601	1657	516	413	223	467	326	177	150
V/C Ratio(X)	0.82	0.60	0.25	0.67	0.52	0.47	0.36	0.58	0.07	0.40	0.10	0.14
Avail Cap(c_a), veh/h	820	3407	1061	1049	2607	812	497	269	505	1516	820	697
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	23.1	14.9	12.3	26.7	18.9	18.6	28.0	28.8	17.6	29.5	28.6	28.8
Incr Delay (d2), s/veh	3.6	0.3	0.2	1.3	0.3	0.7	0.5	2.4	0.1	0.8	0.2	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.9	6.5	2.1	3.7	4.4	3.7	1.3	2.5	0.5	1.2	0.3	0.4
LnGrp Delay(d),s/veh	26.7	15.2	12.5	28.0	19.2	19.2	28.6	31.2	17.7	30.3	28.9	29.2
LnGrp LOS	C	B	B	C	B	B	C	C	B	C	C	C
Approach Vol, veh/h		1935			1502			313			170	
Approach Delay, s/veh		17.4			21.5			28.5			30.0	
Approach LOS		B			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		9.6	15.1	33.3		11.3	22.8	25.6
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		29.0	19.6	44.9		8.5	30.5	34.0
Max Q Clear Time (g_c+I1), s		4.5	9.5	16.0		6.5	17.2	11.5
Green Ext Time (p_c), s		0.6	1.1	12.8		0.3	1.1	7.3

Intersection Summary	
HCM 2010 Ctrl Delay	20.4
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	108	648	45	359	295	755	31	431	715	798	786	36
Future Volume (veh/h)	108	648	45	359	295	755	31	431	715	798	786	36
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.90	1.00		0.91	1.00		0.96	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	108	648	45	359	295	671	31	431	671	798	786	36
Adj No. of Lanes	1	2	0	3	2	1	1	3	1	2	3	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	223	1018	71	714	1142	774	42	1214	590	677	2050	94
Arrive On Green	0.13	0.31	0.31	0.14	0.32	0.32	0.02	0.24	0.24	0.20	0.41	0.41
Sat Flow, veh/h	1774	3331	231	5003	3539	1435	1774	5085	1527	3442	4979	227
Grp Volume(v), veh/h	108	344	349	359	295	671	31	431	671	798	534	288
Grp Sat Flow(s),veh/h/ln	1774	1770	1792	1668	1770	1435	1774	1695	1527	1721	1695	1816
Q Serve(g_s), s	8.8	25.9	26.0	10.3	9.5	50.0	2.7	10.9	37.0	30.5	17.1	17.2
Cycle Q Clear(g_c), s	8.8	25.9	26.0	10.3	9.5	50.0	2.7	10.9	37.0	30.5	17.1	17.2
Prop In Lane	1.00		0.13	1.00		1.00	1.00		1.00	1.00		0.13
Lane Grp Cap(c), veh/h	223	541	548	714	1142	774	42	1214	590	677	1396	748
V/C Ratio(X)	0.48	0.64	0.64	0.50	0.26	0.87	0.74	0.36	1.14	1.18	0.38	0.38
Avail Cap(c_a), veh/h	223	541	548	888	1142	774	80	1214	590	677	1396	748
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.87	0.87	0.87	0.78	0.78	0.78	1.00	1.00	1.00
Uniform Delay (d), s/veh	63.1	46.4	46.4	61.4	38.8	33.5	75.2	49.1	48.2	62.2	31.8	31.9
Incr Delay (d2), s/veh	1.6	5.6	5.6	0.5	0.5	11.1	17.4	0.6	77.1	95.1	0.8	1.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.4	13.5	13.8	4.8	4.7	27.8	1.5	5.2	37.9	23.4	8.2	8.9
LnGrp Delay(d),s/veh	64.7	52.0	52.0	61.8	39.3	44.6	92.6	49.7	125.3	157.3	32.6	33.4
LnGrp LOS	E	D	D	E	D	D	F	D	F	F	C	C
Approach Vol, veh/h		801			1325			1133			1620	
Approach Delay, s/veh		53.7			48.1			95.7			94.2	
Approach LOS		D			D			F			F	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	35.0	41.5	26.6	51.9	8.2	68.3	24.0	54.5
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	30.5	37.0	27.5	42.0	7.0	60.5	19.5	50.0
Max Q Clear Time (g_c+I1), s	32.5	39.0	12.3	28.0	4.7	19.2	10.8	52.0
Green Ext Time (p_c), s	0.0	0.0	1.2	3.7	0.0	6.4	0.1	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	75.4
HCM 2010 LOS	E

Notes

User approved changes to right turn type.

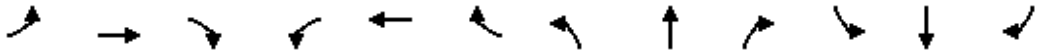
Intersection	
Int Delay, s/veh	5.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	42	4	251	5	6	1	65	173	7	2	115	42
Future Vol, veh/h	42	4	251	5	6	1	65	173	7	2	115	42
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	-	-	-	50	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	42	4	251	5	6	1	65	173	7	2	115	42

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	450	450	136	575	468	177	157	0	0	180	0	0
Stage 1	140	140	-	307	307	-	-	-	-	-	-	-
Stage 2	310	310	-	268	161	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	519	504	913	429	493	866	1423	-	-	1396	-	-
Stage 1	863	781	-	703	661	-	-	-	-	-	-	-
Stage 2	700	659	-	738	765	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	495	480	913	298	469	866	1423	-	-	1396	-	-
Mov Cap-2 Maneuver	495	480	-	298	469	-	-	-	-	-	-	-
Stage 1	823	779	-	671	631	-	-	-	-	-	-	-
Stage 2	661	629	-	531	763	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	10.9	14.5	2	0.1
HCM LOS	B	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1423	-	-	495	900	391	1396	-	-
HCM Lane V/C Ratio	0.046	-	-	0.085	0.283	0.031	0.001	-	-
HCM Control Delay (s)	7.7	-	-	12.9	10.6	14.5	7.6	0	-
HCM Lane LOS	A	-	-	B	B	B	A	A	-
HCM 95th %tile Q(veh)	0.1	-	-	0.3	1.2	0.1	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	278	125	47	11	71	107	42	793	26	196	878	330
Future Volume (veh/h)	278	125	47	11	71	107	42	793	26	196	878	330
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	278	125	47	11	71	107	42	793	26	196	878	330
Adj No. of Lanes	1	1	0	0	2	1	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	367	268	101	48	329	166	73	1374	428	250	1882	586
Arrive On Green	0.21	0.21	0.21	0.10	0.10	0.10	0.04	0.27	0.27	0.14	0.37	0.37
Sat Flow, veh/h	1774	1291	486	461	3148	1583	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	278	0	172	44	38	107	42	793	26	196	878	330
Grp Sat Flow(s),veh/h/ln	1774	0	1777	1840	1770	1583	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	9.6	0.0	5.5	1.4	1.3	4.2	1.5	8.7	0.8	6.9	8.5	10.8
Cycle Q Clear(g_c), s	9.6	0.0	5.5	1.4	1.3	4.2	1.5	8.7	0.8	6.9	8.5	10.8
Prop In Lane	1.00		0.27	0.25		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	367	0	368	192	185	166	73	1374	428	250	1882	586
V/C Ratio(X)	0.76	0.00	0.47	0.23	0.21	0.65	0.58	0.58	0.06	0.79	0.47	0.56
Avail Cap(c_a), veh/h	1080	0	1082	1148	1104	988	697	4349	1354	697	4349	1354
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.2	0.0	22.6	26.7	26.6	27.9	30.6	20.5	17.6	26.9	15.6	16.3
Incr Delay (d2), s/veh	3.2	0.0	0.9	0.6	0.5	4.2	7.1	0.4	0.1	5.4	0.2	0.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.0	0.0	2.8	0.8	0.7	2.0	0.9	4.1	0.4	3.8	4.0	4.8
LnGrp Delay(d),s/veh	27.4	0.0	23.5	27.3	27.1	32.1	37.7	20.9	17.6	32.3	15.7	17.1
LnGrp LOS	C		C	C	C	C	D	C	B	C	B	B
Approach Vol, veh/h		450			189			861			1404	
Approach Delay, s/veh		25.9			30.0			21.6			18.4	
Approach LOS		C			C			C			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	13.6	22.0		17.9	7.2	28.5		11.3
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	25.5	55.5		39.5	25.5	55.5		40.5
Max Q Clear Time (g_c+I1), s	8.9	10.7		11.6	3.5	12.8		6.2
Green Ext Time (p_c), s	0.5	6.8		1.9	0.1	9.3		0.8

Intersection Summary	
HCM 2010 Ctrl Delay	21.2
HCM 2010 LOS	C

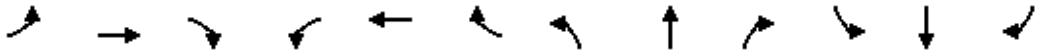
Intersection	
Int Delay, s/veh	6.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	51	1	304	2	2	0	125	194	2	1	290	80
Future Vol, veh/h	51	1	304	2	2	0	125	194	2	1	290	80
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	-	0	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	51	1	304	2	2	0	125	194	2	1	290	80

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	778	778	330	930	817	195	370	0	0	196	0	0
Stage 1	332	332	-	445	445	-	-	-	-	-	-	-
Stage 2	446	446	-	485	372	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	314	328	712	248	311	846	1189	-	-	1377	-	-
Stage 1	681	644	-	592	575	-	-	-	-	-	-	-
Stage 2	591	574	-	563	619	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	287	293	712	130	278	846	1189	-	-	1377	-	-
Mov Cap-2 Maneuver	287	293	-	130	278	-	-	-	-	-	-	-
Stage 1	609	643	-	530	515	-	-	-	-	-	-	-
Stage 2	527	514	-	322	618	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	14.7	25.8	3.3	0
HCM LOS	B	D		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1189	-	-	287	712	177	1377	-	-
HCM Lane V/C Ratio	0.105	-	-	0.181	0.427	0.023	0.001	-	-
HCM Control Delay (s)	8.4	-	-	20.3	13.8	25.8	7.6	0	-
HCM Lane LOS	A	-	-	C	B	D	A	A	-
HCM 95th %tile Q(veh)	0.4	-	-	0.6	2.1	0.1	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	192	190	218	11	163	33	255	490	51	115	620	195
Future Volume (veh/h)	192	190	218	11	163	33	255	490	51	115	620	195
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	192	190	218	11	163	33	255	490	51	115	620	195
Adj No. of Lanes	1	2	0	0	2	0	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	413	434	369	24	363	76	352	1719	535	193	1263	686
Arrive On Green	0.23	0.23	0.23	0.10	0.13	0.10	0.20	0.34	0.34	0.11	0.25	0.22
Sat Flow, veh/h	1774	1863	1583	186	2830	595	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	192	190	218	109	0	98	255	490	51	115	620	195
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1853	0	1758	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	5.8	5.4	7.7	3.4	0.0	3.2	8.4	4.4	1.4	3.9	6.5	5.0
Cycle Q Clear(g_c), s	5.8	5.4	7.7	3.4	0.0	3.2	8.4	4.4	1.4	3.9	6.5	5.0
Prop In Lane	1.00		1.00	0.10		0.34	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	413	434	369	238	0	226	352	1719	535	193	1263	686
V/C Ratio(X)	0.46	0.44	0.59	0.46	0.00	0.43	0.72	0.28	0.10	0.60	0.49	0.28
Avail Cap(c_a), veh/h	1092	1147	975	1141	0	1082	766	4636	1443	766	4636	1736
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	20.6	20.5	21.3	25.3	0.0	25.4	23.5	15.2	14.2	26.6	20.1	11.5
Incr Delay (d2), s/veh	0.8	0.7	1.5	1.4	0.0	1.3	2.8	0.1	0.1	2.9	0.3	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.9	2.9	3.5	1.8	0.0	1.6	4.4	2.1	0.6	2.0	3.1	3.0
LnGrp Delay(d),s/veh	21.4	21.2	22.8	26.7	0.0	26.7	26.3	15.2	14.2	29.5	20.4	11.7
LnGrp LOS	C	C	C	C		C	C	B	B	C	C	B
Approach Vol, veh/h		600			207			796			930	
Approach Delay, s/veh		21.9			26.7			18.7			19.7	
Approach LOS		C			C			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	9.8	24.1		17.6	15.4	18.5		11.0
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	25.5	55.5		37.0	25.5	55.5		37.0
Max Q Clear Time (g_c+I1), s	5.9	6.4		9.7	10.4	8.5		5.4
Green Ext Time (p_c), s	0.3	3.8		3.4	0.6	5.5		1.3

Intersection Summary	
HCM 2010 Ctrl Delay	20.5
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	3	424	28	258	293	358	45	386	452	409	340	22
Future Volume (veh/h)	3	424	28	258	293	358	45	386	452	409	340	22
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	3	424	28	258	293	358	45	386	0	409	340	22
Adj No. of Lanes	1	2	0	1	1	1	1	2	1	2	1	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	267	507	33	438	460	391	58	1152	515	479	747	48
Arrive On Green	0.15	0.15	0.15	0.25	0.25	0.25	0.03	0.33	0.00	0.14	0.43	0.43
Sat Flow, veh/h	1774	3371	222	1774	1863	1583	1774	3539	1583	3442	1731	112
Grp Volume(v), veh/h	3	222	230	258	293	358	45	386	0	409	0	362
Grp Sat Flow(s),veh/h/ln	1774	1770	1824	1774	1863	1583	1774	1770	1583	1721	0	1843
Q Serve(g_s), s	0.2	15.9	16.0	16.7	18.3	28.7	3.3	10.8	0.0	15.1	0.0	18.1
Cycle Q Clear(g_c), s	0.2	15.9	16.0	16.7	18.3	28.7	3.3	10.8	0.0	15.1	0.0	18.1
Prop In Lane	1.00		0.12	1.00		1.00	1.00		1.00	1.00		0.06
Lane Grp Cap(c), veh/h	267	266	274	438	460	391	58	1152	515	479	0	796
V/C Ratio(X)	0.01	0.83	0.84	0.59	0.64	0.92	0.78	0.34	0.00	0.85	0.00	0.45
Avail Cap(c_a), veh/h	350	349	359	469	493	419	129	1152	515	673	0	796
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	47.1	53.8	53.9	43.2	43.9	47.8	62.6	33.3	0.0	54.8	0.0	26.2
Incr Delay (d2), s/veh	0.0	12.5	12.7	1.7	2.5	23.7	19.4	0.2	0.0	7.6	0.0	1.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	8.7	9.0	8.4	9.8	15.1	1.9	5.3	0.0	7.7	0.0	9.6
LnGrp Delay(d),s/veh	47.2	66.3	66.5	45.0	46.3	71.4	82.0	33.5	0.0	62.5	0.0	28.1
LnGrp LOS	D	E	E	D	D	E	F	C		E		C
Approach Vol, veh/h		455			909			431			771	
Approach Delay, s/veh		66.3			55.8			38.5			46.3	
Approach LOS		E			E			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	22.6	46.9		24.1	8.8	60.8		36.7
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	25.5	40.3		25.7	9.5	56.3		34.5
Max Q Clear Time (g_c+I1), s	17.1	12.8		18.0	5.3	20.1		30.7
Green Ext Time (p_c), s	1.0	2.7		1.6	0.0	2.4		1.5

Intersection Summary	
HCM 2010 Ctrl Delay	51.9
HCM 2010 LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	170	1076	34	313	806	298	130	189	380	114	105	79
Future Volume (veh/h)	170	1076	34	313	806	298	130	189	380	114	105	79
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	170	1076	34	313	806	0	130	189	103	114	105	10
Adj No. of Lanes	2	3	0	2	3	1	1	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	278	1761	56	435	2001	623	269	282	240	332	180	153
Arrive On Green	0.08	0.35	0.35	0.13	0.39	0.00	0.15	0.15	0.15	0.10	0.10	0.10
Sat Flow, veh/h	3442	5065	160	3442	5085	1583	1774	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	170	720	390	313	806	0	130	189	103	114	105	10
Grp Sat Flow(s),veh/h/ln	1721	1695	1835	1721	1695	1583	1774	1863	1583	1721	1863	1583
Q Serve(g_s), s	3.1	11.4	11.4	5.7	7.4	0.0	4.3	6.2	3.8	2.0	3.5	0.4
Cycle Q Clear(g_c), s	3.1	11.4	11.4	5.7	7.4	0.0	4.3	6.2	3.8	2.0	3.5	0.4
Prop In Lane	1.00		0.09	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	278	1179	638	435	2001	623	269	282	240	332	180	153
V/C Ratio(X)	0.61	0.61	0.61	0.72	0.40	0.00	0.48	0.67	0.43	0.34	0.58	0.07
Avail Cap(c_a), veh/h	877	2434	1317	717	3415	1063	671	704	599	1195	647	550
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	28.8	17.5	17.5	27.2	14.2	0.0	25.2	26.0	24.9	27.3	28.0	26.6
Incr Delay (d2), s/veh	2.2	0.5	1.0	2.2	0.1	0.0	1.3	2.7	1.2	0.6	3.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.5	5.4	5.9	2.8	3.5	0.0	2.2	3.4	1.7	1.0	2.0	0.2
LnGrp Delay(d),s/veh	31.0	18.0	18.5	29.4	14.3	0.0	26.5	28.7	26.2	28.0	31.0	26.8
LnGrp LOS	C	B	B	C	B		C	C	C	C	C	C
Approach Vol, veh/h		1280			1119			422			229	
Approach Delay, s/veh		19.9			18.5			27.4			29.3	
Approach LOS		B			B			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		10.7	12.7	27.0		14.3	9.7	30.0
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		22.5	13.5	46.5		24.5	16.5	43.5
Max Q Clear Time (g_c+I1), s		5.5	7.7	13.4		8.2	5.1	9.4
Green Ext Time (p_c), s		0.9	0.6	9.1		1.6	0.4	6.6

Intersection Summary	
HCM 2010 Ctrl Delay	21.1
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	1098	491	16	2	91	78	11	9	9	220	9	670
Future Volume (veh/h)	1098	491	16	2	91	78	11	9	9	220	9	670
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1900	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	1193	534	17	2	91	78	11	9	9	226	0	670
Adj No. of Lanes	2	1	1	1	2	1	0	2	0	2	0	2
Peak Hour Factor	0.92	0.92	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	1587	1019	866	5	313	140	41	34	35	487	0	1895
Arrive On Green	0.46	0.55	0.55	0.00	0.09	0.09	0.03	0.03	0.03	0.14	0.00	0.14
Sat Flow, veh/h	3442	1863	1583	1774	3539	1583	1300	1078	1091	3548	0	3167
Grp Volume(v), veh/h	1193	534	17	2	91	78	15	0	14	226	0	670
Grp Sat Flow(s),veh/h/ln	1721	1863	1583	1774	1770	1583	1798	0	1670	1774	0	1583
Q Serve(g_s), s	17.8	11.3	0.3	0.1	1.5	2.9	0.5	0.0	0.5	3.6	0.0	0.0
Cycle Q Clear(g_c), s	17.8	11.3	0.3	0.1	1.5	2.9	0.5	0.0	0.5	3.6	0.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	0.72		0.65	1.00		1.00
Lane Grp Cap(c), veh/h	1587	1019	866	5	313	140	57	0	53	487	0	1895
V/C Ratio(X)	0.75	0.52	0.02	0.41	0.29	0.56	0.27	0.00	0.26	0.46	0.00	0.35
Avail Cap(c_a), veh/h	1587	1019	866	143	1025	458	521	0	484	913	0	2275
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	13.8	8.9	6.5	31.0	26.5	27.2	29.4	0.0	29.4	24.7	0.0	6.4
Incr Delay (d2), s/veh	3.3	1.9	0.0	47.8	0.5	3.4	2.5	0.0	2.6	0.7	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	9.0	6.3	0.1	0.1	0.8	1.4	0.3	0.0	0.3	1.8	0.0	2.9
LnGrp Delay(d),s/veh	17.2	10.9	6.5	78.8	27.0	30.6	31.9	0.0	32.0	25.4	0.0	6.5
LnGrp LOS	B	B	A	E	C	C	C		C	C		A
Approach Vol, veh/h		1744			171			29			896	
Approach Delay, s/veh		15.1			29.3			31.9			11.2	
Approach LOS		B			C			C			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		6.5	4.7	38.5		12.5	33.2	10.0
Change Period (Y+Rc), s		4.5	4.5	* 4.5		4.0	4.5	4.5
Max Green Setting (Gmax), s		18.0	5.0	* 34		16.0	20.5	18.0
Max Q Clear Time (g_c+I1), s		2.5	2.1	13.3		5.6	19.8	4.9
Green Ext Time (p_c), s		0.1	0.0	3.5		2.9	0.4	0.6

Intersection Summary	
HCM 2010 Ctrl Delay	14.9
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

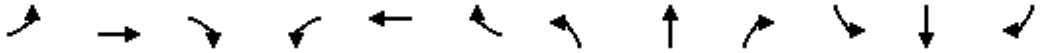
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	359	10	417	4	5	4	898	262	8	13	474	69
Future Volume (veh/h)	359	10	417	4	5	4	898	262	8	13	474	69
Number	3	8	18	7	4	14	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1900	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	417	0	119	4	5	4	898	262	8	13	474	69
Adj No. of Lanes	2	0	1	0	1	0	2	2	0	1	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	606	0	270	9	11	9	1123	1785	54	29	704	315
Arrive On Green	0.17	0.00	0.17	0.02	0.02	0.02	0.33	0.51	0.51	0.02	0.20	0.20
Sat Flow, veh/h	3548	0	1583	536	670	536	3442	3507	107	1774	3539	1583
Grp Volume(v), veh/h	417	0	119	13	0	0	898	132	138	13	474	69
Grp Sat Flow(s),veh/h/ln	1774	0	1583	1741	0	0	1721	1770	1844	1774	1770	1583
Q Serve(g_s), s	6.9	0.0	4.2	0.5	0.0	0.0	14.9	2.5	2.5	0.5	7.7	2.3
Cycle Q Clear(g_c), s	6.9	0.0	4.2	0.5	0.0	0.0	14.9	2.5	2.5	0.5	7.7	2.3
Prop In Lane	1.00		1.00	0.31		0.31	1.00		0.06	1.00		1.00
Lane Grp Cap(c), veh/h	606	0	270	28	0	0	1123	901	939	29	704	315
V/C Ratio(X)	0.69	0.00	0.44	0.46	0.00	0.00	0.80	0.15	0.15	0.45	0.67	0.22
Avail Cap(c_a), veh/h	1447	0	646	501	0	0	2009	1514	1578	142	1245	557
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.4	0.0	23.2	30.5	0.0	0.0	19.2	8.1	8.1	30.5	23.2	21.0
Incr Delay (d2), s/veh	1.4	0.0	1.1	11.3	0.0	0.0	1.4	0.1	0.1	10.8	1.1	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.5	0.0	1.9	0.3	0.0	0.0	7.2	1.2	1.3	0.3	3.9	1.0
LnGrp Delay(d),s/veh	25.8	0.0	24.4	41.8	0.0	0.0	20.6	8.2	8.2	41.3	24.3	21.3
LnGrp LOS	C		C	D			C	A	A	D	C	C
Approach Vol, veh/h		536			13			1168			556	
Approach Delay, s/veh		25.5			41.8			17.7			24.3	
Approach LOS		C			D			B			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	5.5	36.3		5.5	24.9	16.9		15.2
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	5.0	53.5		18.0	36.5	22.0		25.5
Max Q Clear Time (g_c+I1), s	2.5	4.5		2.5	16.9	9.7		8.9
Green Ext Time (p_c), s	0.0	1.7		0.0	3.5	2.7		1.8

Intersection Summary	
HCM 2010 Ctrl Delay	21.3
HCM 2010 LOS	C

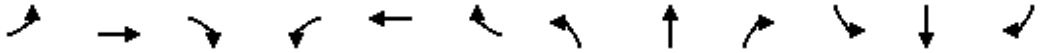
Notes

User approved volume balancing among the lanes for turning movement.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	25	163	64	127	91	53	0	824	128	114	813	23
Future Volume (vph)	25	163	64	127	91	53	0	824	128	114	813	23
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		3.0	3.0		3.0	3.0		3.0	3.0		3.0	
Lane Util. Factor		1.00	1.00		1.00	1.00		0.95	1.00		0.95	
Frt		1.00	0.85		1.00	0.85		1.00	0.85		1.00	
Flt Protected		0.99	1.00		0.97	1.00		1.00	1.00		0.99	
Satd. Flow (prot)		1850	1583		1810	1583		3539	1583		3505	
Flt Permitted		0.95	1.00		0.64	1.00		1.00	1.00		0.73	
Satd. Flow (perm)		1761	1583		1188	1583		3539	1583		2592	
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	25	163	64	127	91	53	0	824	128	114	813	23
RTOR Reduction (vph)	0	0	46	0	0	38	0	0	46	0	2	0
Lane Group Flow (vph)	0	188	18	0	218	15	0	824	82	0	948	0
Turn Type	Perm	NA	Perm	Perm	NA	Perm		NA	Perm	Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4		4	8		8			2	6		
Actuated Green, G (s)		24.5	24.5		24.5	24.5		56.5	56.5		56.5	
Effective Green, g (s)		26.0	26.0		26.0	26.0		58.0	58.0		58.0	
Actuated g/C Ratio		0.29	0.29		0.29	0.29		0.64	0.64		0.64	
Clearance Time (s)		4.5	4.5		4.5	4.5		4.5	4.5		4.5	
Lane Grp Cap (vph)		508	457		343	457		2280	1020		1670	
v/s Ratio Prot								0.23				
v/s Ratio Perm		0.11	0.01		c0.18	0.01			0.05		c0.37	
v/c Ratio		0.37	0.04		0.64	0.03		0.36	0.08		0.57	
Uniform Delay, d1		25.5	23.0		27.9	23.0		7.4	6.0		9.0	
Progression Factor		1.00	1.00		1.00	1.00		1.00	1.00		1.00	
Incremental Delay, d2		2.1	0.2		8.7	0.1		0.4	0.2		1.4	
Delay (s)		27.5	23.2		36.6	23.1		7.9	6.2		10.4	
Level of Service		C	C		D	C		A	A		B	
Approach Delay (s)		26.4			33.9			7.6			10.4	
Approach LOS		C			C			A			B	

Intersection Summary			
HCM 2000 Control Delay	13.6	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.59		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	6.0
Intersection Capacity Utilization	84.4%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	1212	473	241	538	0	0	0	0	364	21	850
Future Volume (vph)	0	1212	473	241	538	0	0	0	0	364	21	850
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.5	4.5	4.5	4.5						4.5	4.5
Lane Util. Factor		0.86	0.86	0.97	0.95						1.00	0.76
Frt		0.99	0.85	1.00	1.00						1.00	0.85
Flt Protected		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (prot)		4751	1362	3433	3539						1779	3610
Flt Permitted		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (perm)		4751	1362	3433	3539						1779	3610
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	0	1212	473	241	538	0	0	0	0	364	21	850
RTOR Reduction (vph)	0	7	129	0	0	0	0	0	0	0	0	23
Lane Group Flow (vph)	0	1304	245	241	538	0	0	0	0	0	385	827
Turn Type		NA	Perm	Prot	NA					Split	NA	custom
Protected Phases		2		3	8					6	6	2 6
Permitted Phases			2									
Actuated Green, G (s)		41.0	41.0	21.5	21.5						32.5	78.0
Effective Green, g (s)		41.0	41.0	21.5	21.5						32.5	78.0
Actuated g/C Ratio		0.38	0.38	0.20	0.20						0.30	0.72
Clearance Time (s)		4.5	4.5	4.5	4.5						4.5	
Vehicle Extension (s)		3.0	3.0	3.0	3.0						3.0	
Lane Grp Cap (vph)		1795	514	680	701						532	2595
v/s Ratio Prot		c0.27		0.07	c0.15						c0.22	0.23
v/s Ratio Perm			0.18									
v/c Ratio		0.73	0.48	0.35	0.77						0.72	0.32
Uniform Delay, d1		28.9	25.6	37.5	41.1						34.0	5.6
Progression Factor		1.00	1.00	1.00	1.00						1.00	1.00
Incremental Delay, d2		2.6	3.2	0.3	5.0						4.8	0.1
Delay (s)		31.6	28.8	37.8	46.2						38.8	5.6
Level of Service		C	C	D	D						D	A
Approach Delay (s)		30.9			43.6			0.0			16.0	
Approach LOS		C			D			A			B	

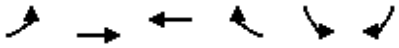
Intersection Summary					
HCM 2000 Control Delay	28.6	HCM 2000 Level of Service	C		
HCM 2000 Volume to Capacity ratio	0.73				
Actuated Cycle Length (s)	108.5	Sum of lost time (s)	13.5		
Intersection Capacity Utilization	66.3%	ICU Level of Service	C		
Analysis Period (min)	15				

c Critical Lane Group

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	591	844	0	417	669	94
Future Volume (veh/h)	591	844	0	417	669	94
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	1863	1863	1863
Adj Flow Rate, veh/h	591	0	0	417	669	61
Adj No. of Lanes	2	1	0	2	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	0	2	2	2
Cap, veh/h	1424	637	0	1424	1301	598
Arrive On Green	0.40	0.00	0.00	0.40	0.38	0.38
Sat Flow, veh/h	3632	1583	0	3725	3442	1583
Grp Volume(v), veh/h	591	0	0	417	669	61
Grp Sat Flow(s),veh/h/ln	1770	1583	0	1770	1721	1583
Q Serve(g_s), s	3.3	0.0	0.0	2.2	4.1	0.7
Cycle Q Clear(g_c), s	3.3	0.0	0.0	2.2	4.1	0.7
Prop In Lane		1.00	0.00		1.00	1.00
Lane Grp Cap(c), veh/h	1424	637	0	1424	1301	598
V/C Ratio(X)	0.42	0.00	0.00	0.29	0.51	0.10
Avail Cap(c_a), veh/h	4021	1799	0	4021	3531	1625
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	5.9	0.0	0.0	5.5	6.6	5.5
Incr Delay (d2), s/veh	0.2	0.0	0.0	0.1	0.3	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	0.0	0.0	1.1	1.9	0.3
LnGrp Delay(d),s/veh	6.0	0.0	0.0	5.6	6.9	5.6
LnGrp LOS	A			A	A	A
Approach Vol, veh/h	591			417	730	
Approach Delay, s/veh	6.0			5.6	6.8	
Approach LOS	A			A	A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		13.3		14.0				14.0
Change Period (Y+Rc), s		4.5		4.5				4.5
Max Green Setting (Gmax), s		26.5		29.5				29.5
Max Q Clear Time (g_c+I1), s		6.1		5.3				4.2
Green Ext Time (p_c), s		2.7		4.2				2.8

Intersection Summary	
HCM 2010 Ctrl Delay	6.2
HCM 2010 LOS	A



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	1012	1034	66	378	797
Future Volume (veh/h)	0	1012	1034	66	378	797
Number	7	4	8	18	1	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	0	1012	1034	0	378	781
Adj No. of Lanes	0	3	3	0	1	2
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	0	2	2	2	2	2
Cap, veh/h	0	2269	2269	0	723	1291
Arrive On Green	0.00	0.45	0.45	0.00	0.41	0.41
Sat Flow, veh/h	0	5421	5421	0	1774	3167
Grp Volume(v), veh/h	0	1012	1034	0	378	781
Grp Sat Flow(s),veh/h/ln	0	1695	1695	0	1774	1583
Q Serve(g_s), s	0.0	5.7	5.8	0.0	6.6	8.0
Cycle Q Clear(g_c), s	0.0	5.7	5.8	0.0	6.6	8.0
Prop In Lane	0.00			0.00	1.00	1.00
Lane Grp Cap(c), veh/h	0	2269	2269	0	723	1291
V/C Ratio(X)	0.00	0.45	0.46	0.00	0.52	0.60
Avail Cap(c_a), veh/h	0	5445	5445	0	2806	5009
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	7.9	7.9	0.0	9.2	9.6
Incr Delay (d2), s/veh	0.0	0.1	0.1	0.0	0.6	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	2.7	2.7	0.0	3.3	3.6
LnGrp Delay(d),s/veh	0.0	8.0	8.1	0.0	9.7	10.0
LnGrp LOS		A	A		A	B
Approach Vol, veh/h		1012	1034		1159	
Approach Delay, s/veh		8.0	8.1		9.9	
Approach LOS		A	A		A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs				4		6		8
Phs Duration (G+Y+Rc), s				21.3		19.8		21.3
Change Period (Y+Rc), s				4.5		4.5		4.5
Max Green Setting (Gmax), s				42.5		63.5		42.5
Max Q Clear Time (g_c+I1), s				7.7		10.0		7.8
Green Ext Time (p_c), s				8.8		5.3		9.0

Intersection Summary	
HCM 2010 Ctrl Delay	8.7
HCM 2010 LOS	A

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	72	908	321	280	1460	175	435	49	505	401	55	234
Future Volume (veh/h)	72	908	321	280	1460	175	435	49	505	401	55	234
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	72	908	160	280	1460	-76	435	49	291	401	55	207
Adj No. of Lanes	1	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	123	1355	422	754	2115	659	623	337	633	658	356	303
Arrive On Green	0.07	0.27	0.27	0.22	0.42	0.00	0.18	0.18	0.18	0.19	0.19	0.19
Sat Flow, veh/h	1774	5085	1583	3442	5085	1583	3442	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	72	908	160	280	1460	-76	435	49	291	401	55	207
Grp Sat Flow(s),veh/h/ln	1774	1695	1583	1721	1695	1583	1721	1863	1583	1721	1863	1583
Q Serve(g_s), s	3.3	13.4	7.0	5.8	19.8	0.0	10.0	1.9	0.0	9.0	2.1	10.3
Cycle Q Clear(g_c), s	3.3	13.4	7.0	5.8	19.8	0.0	10.0	1.9	0.0	9.0	2.1	10.3
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	123	1355	422	754	2115	659	623	337	633	658	356	303
V/C Ratio(X)	0.58	0.67	0.38	0.37	0.69	-0.12	0.70	0.15	0.46	0.61	0.15	0.68
Avail Cap(c_a), veh/h	219	1779	554	1102	2780	866	816	442	722	1286	696	591
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	38.0	27.6	25.2	28.0	20.2	0.0	32.4	29.0	18.6	31.2	28.4	31.7
Incr Delay (d2), s/veh	4.3	0.6	0.6	0.3	0.5	0.0	1.8	0.2	0.5	0.9	0.2	2.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.8	6.4	3.1	2.8	9.3	0.0	4.9	1.0	5.0	4.4	1.1	4.7
LnGrp Delay(d),s/veh	42.4	28.2	25.8	28.3	20.7	0.0	34.1	29.2	19.1	32.1	28.6	34.5
LnGrp LOS	D	C	C	C	C		C	C	B	C	C	C
Approach Vol, veh/h		1140			1664			775			663	
Approach Delay, s/veh		28.8			22.9			28.2			32.6	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		19.1	21.5	25.5		18.3	8.9	38.1
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		30.0	25.5	28.0		18.5	8.9	44.6
Max Q Clear Time (g_c+I1), s		12.3	7.8	15.4		12.0	5.3	21.8
Green Ext Time (p_c), s		2.4	0.9	5.5		1.8	0.0	11.7

Intersection Summary	
HCM 2010 Ctrl Delay	27.0
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	127	319	36	508	648	1055	58	666	599	642	774	58
Future Volume (veh/h)	127	319	36	508	648	1055	58	666	599	642	774	58
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.89	1.00		0.90	1.00		0.97	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	127	319	36	508	648	971	58	666	555	642	774	58
Adj No. of Lanes	1	2	0	3	2	1	1	3	1	2	3	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	196	858	95	698	1062	755	74	1355	629	712	2080	155
Arrive On Green	0.11	0.27	0.27	0.14	0.30	0.30	0.04	0.27	0.27	0.21	0.43	0.43
Sat Flow, veh/h	1774	3166	352	5003	3539	1423	1774	5085	1531	3442	4819	359
Grp Volume(v), veh/h	127	176	179	508	648	971	58	666	555	642	543	289
Grp Sat Flow(s),veh/h/ln	1774	1770	1748	1668	1770	1423	1774	1695	1531	1721	1695	1788
Q Serve(g_s), s	10.6	12.5	12.9	15.1	24.3	46.5	5.0	17.1	41.3	28.2	16.8	17.0
Cycle Q Clear(g_c), s	10.6	12.5	12.9	15.1	24.3	46.5	5.0	17.1	41.3	28.2	16.8	17.0
Prop In Lane	1.00		0.20	1.00		1.00	1.00		1.00	1.00		0.20
Lane Grp Cap(c), veh/h	196	480	474	698	1062	755	74	1355	629	712	1463	772
V/C Ratio(X)	0.65	0.37	0.38	0.73	0.61	1.29	0.78	0.49	0.88	0.90	0.37	0.37
Avail Cap(c_a), veh/h	196	480	474	698	1062	755	121	1355	629	899	1463	772
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.70	0.70	0.70	0.75	0.75	0.75	1.00	1.00	1.00
Uniform Delay (d), s/veh	66.1	45.7	45.9	63.9	46.5	39.2	73.6	48.0	42.9	59.9	29.8	29.9
Incr Delay (d2), s/veh	7.3	2.2	2.3	2.7	1.8	135.9	12.6	1.0	13.0	10.3	0.7	1.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.6	6.4	6.5	7.1	12.2	60.7	2.7	8.1	24.3	14.4	8.0	8.6
LnGrp Delay(d),s/veh	73.3	47.9	48.2	66.6	48.3	175.2	86.2	49.0	55.8	70.3	30.5	31.2
LnGrp LOS	E	D	D	E	D	F	F	D	E	E	C	C
Approach Vol, veh/h		482			2127			1279			1474	
Approach Delay, s/veh		54.7			110.6			53.6			48.0	
Approach LOS		D			F			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	36.6	45.8	26.1	46.5	11.0	71.4	21.6	51.0
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	46.5	37.0	17.5	42.0	10.6	66.9	15.7	43.8
Max Q Clear Time (g_c+I1), s	30.2	43.3	17.1	14.9	7.0	19.0	12.6	48.5
Green Ext Time (p_c), s	1.9	0.0	0.1	2.2	0.0	6.6	0.1	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	74.8
HCM 2010 LOS	E

Notes

User approved changes to right turn type.

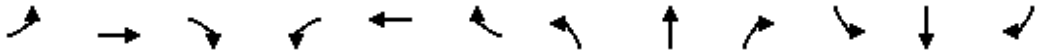
Intersection	
Int Delay, s/veh	5.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	52	0	194	10	12	3	131	244	1	0	92	71
Future Vol, veh/h	52	0	194	10	12	3	131	244	1	0	92	71
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	-	-	-	50	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	52	0	194	10	12	3	131	244	1	0	92	71

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	642	635	128	732	670	245	163	0	0	245	0	0
Stage 1	128	128	-	507	507	-	-	-	-	-	-	-
Stage 2	514	507	-	225	163	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	387	396	922	337	378	794	1416	-	-	1321	-	-
Stage 1	876	790	-	548	539	-	-	-	-	-	-	-
Stage 2	543	539	-	778	763	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	349	359	922	247	343	794	1416	-	-	1321	-	-
Mov Cap-2 Maneuver	349	359	-	247	343	-	-	-	-	-	-	-
Stage 1	795	790	-	497	489	-	-	-	-	-	-	-
Stage 2	479	489	-	614	763	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	11.4	17.4	2.7	0
HCM LOS	B	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1416	-	-	349	922	315	1321	-	-
HCM Lane V/C Ratio	0.093	-	-	0.149	0.21	0.079	-	-	-
HCM Control Delay (s)	7.8	-	-	17.1	9.9	17.4	0	-	-
HCM Lane LOS	A	-	-	C	A	C	A	-	-
HCM 95th %tile Q(veh)	0.3	-	-	0.5	0.8	0.3	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	252	88	73	34	96	188	76	821	44	233	1095	224
Future Volume (veh/h)	252	88	73	34	96	188	76	821	44	233	1095	224
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	252	88	73	34	96	188	76	821	44	233	1095	224
Adj No. of Lanes	1	1	0	0	2	1	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	328	174	145	138	417	245	99	1314	409	286	1850	576
Arrive On Green	0.18	0.18	0.18	0.15	0.15	0.15	0.06	0.26	0.26	0.16	0.36	0.36
Sat Flow, veh/h	1774	943	782	892	2696	1583	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	252	0	161	69	61	188	76	821	44	233	1095	224
Grp Sat Flow(s),veh/h/ln	1774	0	1725	1818	1770	1583	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	10.1	0.0	6.3	2.5	2.2	8.5	3.2	10.7	1.6	9.5	13.1	7.8
Cycle Q Clear(g_c), s	10.1	0.0	6.3	2.5	2.2	8.5	3.2	10.7	1.6	9.5	13.1	7.8
Prop In Lane	1.00		0.45	0.49		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	328	0	319	282	274	245	99	1314	409	286	1850	576
V/C Ratio(X)	0.77	0.00	0.50	0.25	0.22	0.77	0.77	0.62	0.11	0.81	0.59	0.39
Avail Cap(c_a), veh/h	937	0	911	571	556	497	368	2821	878	889	4317	1344
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	29.0	0.0	27.4	27.8	27.7	30.3	34.8	24.5	21.2	30.3	19.3	17.6
Incr Delay (d2), s/veh	3.8	0.0	1.2	0.5	0.4	5.0	11.7	0.5	0.1	5.6	0.3	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.2	0.0	3.1	1.3	1.1	4.1	1.9	5.0	0.7	5.1	6.1	3.5
LnGrp Delay(d),s/veh	32.8	0.0	28.6	28.2	28.1	35.3	46.5	25.0	21.3	35.9	19.6	18.1
LnGrp LOS	C		C	C	C	D	D	C	C	D	B	B
Approach Vol, veh/h		413			318			941			1552	
Approach Delay, s/veh		31.2			32.4			26.6			21.8	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	16.6	23.8		18.3	8.7	31.7		16.1
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	37.5	41.5		39.5	15.5	63.5		23.5
Max Q Clear Time (g_c+I1), s	11.5	12.7		12.1	5.2	15.1		10.5
Green Ext Time (p_c), s	0.7	6.7		1.7	0.1	11.7		1.1

Intersection Summary	
HCM 2010 Ctrl Delay	25.4
HCM 2010 LOS	C

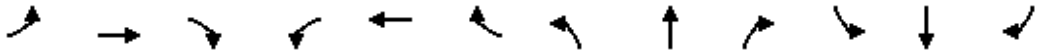
Intersection	
Int Delay, s/veh	5.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	57	0	211	3	4	1	198	318	0	0	188	108
Future Vol, veh/h	57	0	211	3	4	1	198	318	0	0	188	108
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	-	0	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	57	0	211	3	4	1	198	318	0	0	188	108

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	959	956	242	1062	1010	318	296	0	0	318	0	0
Stage 1	242	242	-	714	714	-	-	-	-	-	-	-
Stage 2	717	714	-	348	296	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	237	258	797	201	240	723	1265	-	-	1242	-	-
Stage 1	762	705	-	422	435	-	-	-	-	-	-	-
Stage 2	421	435	-	668	668	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	205	217	797	130	202	723	1265	-	-	1242	-	-
Mov Cap-2 Maneuver	205	217	-	130	202	-	-	-	-	-	-	-
Stage 1	642	705	-	356	367	-	-	-	-	-	-	-
Stage 2	351	367	-	491	668	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	14.9	25.8	3.2	0
HCM LOS	B	D		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1265	-	-	205	797	181	1242	-	-
HCM Lane V/C Ratio	0.157	-	-	0.278	0.265	0.044	-	-	-
HCM Control Delay (s)	8.4	-	-	29.2	11.1	25.8	0	-	-
HCM Lane LOS	A	-	-	D	B	D	A	-	-
HCM 95th %tile Q(veh)	0.6	-	-	1.1	1.1	0.1	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	267	164	223	20	232	58	230	697	30	74	764	175
Future Volume (veh/h)	267	164	223	20	232	58	230	697	30	74	764	175
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	218	233	223	20	232	58	230	697	16	74	764	175
Adj No. of Lanes	1	2	0	0	2	0	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	406	427	363	36	424	110	317	1884	587	133	1356	785
Arrive On Green	0.23	0.23	0.23	0.14	0.16	0.14	0.18	0.37	0.37	0.07	0.27	0.27
Sat Flow, veh/h	1774	1863	1583	225	2671	696	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	218	233	223	165	0	145	230	697	16	74	764	175
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1852	0	1740	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	7.8	7.9	9.1	5.9	0.0	5.5	8.8	7.2	0.5	2.9	9.3	4.5
Cycle Q Clear(g_c), s	7.8	7.9	9.1	5.9	0.0	5.5	8.8	7.2	0.5	2.9	9.3	4.5
Prop In Lane	1.00		1.00	0.12		0.40	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	406	427	363	294	0	276	317	1884	587	133	1356	785
V/C Ratio(X)	0.54	0.55	0.61	0.56	0.00	0.53	0.73	0.37	0.03	0.56	0.56	0.22
Avail Cap(c_a), veh/h	987	1037	881	1005	0	944	1012	4317	1344	518	2901	1266
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.3	24.4	24.9	28.0	0.0	28.0	27.9	16.5	14.4	32.1	22.7	10.3
Incr Delay (d2), s/veh	1.1	1.1	1.7	1.7	0.0	1.5	3.2	0.1	0.0	3.6	0.4	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.9	4.2	4.1	3.2	0.0	2.8	4.6	3.4	0.2	1.6	4.4	2.9
LnGrp Delay(d),s/veh	25.5	25.5	26.6	29.7	0.0	29.6	31.0	16.6	14.4	35.7	23.1	10.4
LnGrp LOS	C	C	C	C		C	C	B	B	D	C	B
Approach Vol, veh/h		674			310			943			1013	
Approach Delay, s/veh		25.8			29.6			20.1			21.8	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	8.4	29.6		19.5	15.8	22.2		14.4
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	19.5	59.5		38.5	39.5	39.5		37.5
Max Q Clear Time (g_c+I1), s	4.9	9.2		11.1	10.8	11.3		7.9
Green Ext Time (p_c), s	0.1	5.5		3.9	0.7	6.3		2.0

Intersection Summary	
HCM 2010 Ctrl Delay	23.0
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	10	249	48	312	436	454	38	401	383	309	337	32
Future Volume (veh/h)	10	249	48	312	436	454	38	401	383	309	337	32
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	10	249	48	312	436	454	38	401	0	309	337	32
Adj No. of Lanes	1	2	0	1	1	1	1	2	1	2	1	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	183	306	58	576	605	514	49	1209	541	370	706	67
Arrive On Green	0.10	0.10	0.10	0.32	0.32	0.32	0.03	0.34	0.00	0.11	0.42	0.42
Sat Flow, veh/h	1774	2969	564	1774	1863	1583	1774	3539	1583	3442	1676	159
Grp Volume(v), veh/h	10	147	150	312	436	454	38	401	0	309	0	369
Grp Sat Flow(s),veh/h/ln	1774	1770	1763	1774	1863	1583	1774	1770	1583	1721	0	1835
Q Serve(g_s), s	0.7	11.8	12.2	21.0	30.1	39.6	3.1	12.3	0.0	12.8	0.0	21.3
Cycle Q Clear(g_c), s	0.7	11.8	12.2	21.0	30.1	39.6	3.1	12.3	0.0	12.8	0.0	21.3
Prop In Lane	1.00		0.32	1.00		1.00	1.00		1.00	1.00		0.09
Lane Grp Cap(c), veh/h	183	183	182	576	605	514	49	1209	541	370	0	773
V/C Ratio(X)	0.05	0.80	0.83	0.54	0.72	0.88	0.78	0.33	0.00	0.84	0.00	0.48
Avail Cap(c_a), veh/h	249	249	248	772	810	689	140	1209	541	625	0	773
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	59.0	64.0	64.2	40.4	43.5	46.7	70.5	35.7	0.0	63.9	0.0	30.6
Incr Delay (d2), s/veh	0.1	12.7	15.0	0.8	2.1	10.3	22.5	0.7	0.0	5.0	0.0	2.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	6.4	6.7	10.4	15.9	18.8	1.8	6.1	0.0	6.4	0.0	11.2
LnGrp Delay(d),s/veh	59.2	76.7	79.2	41.2	45.6	57.0	93.0	36.4	0.0	68.9	0.0	32.7
LnGrp LOS	E	E	E	D	D	E	F	D		E		C
Approach Vol, veh/h		307			1202			439			678	
Approach Delay, s/veh		77.4			48.8			41.3			49.2	
Approach LOS		E			D			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	20.2	54.3		19.6	8.5	66.0		51.9
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	26.5	46.5		20.5	11.5	61.5		63.5
Max Q Clear Time (g_c+I1), s	14.8	14.3		14.2	5.1	23.3		41.6
Green Ext Time (p_c), s	0.8	2.9		0.9	0.0	2.5		5.7

Intersection Summary	
HCM 2010 Ctrl Delay	51.0
HCM 2010 LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	143	838	51	473	1096	134	45	62	218	295	211	170
Future Volume (veh/h)	143	838	51	473	1096	134	45	62	218	295	211	170
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	143	838	51	473	1096	0	45	62	-59	295	211	101
Adj No. of Lanes	2	3	0	2	3	1	1	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	261	1390	84	652	2020	629	81	86	73	622	337	286
Arrive On Green	0.08	0.28	0.28	0.19	0.40	0.00	0.05	0.05	0.00	0.18	0.18	0.18
Sat Flow, veh/h	3442	4903	298	3442	5085	1583	1774	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	143	579	310	473	1096	0	45	62	-59	295	211	101
Grp Sat Flow(s),veh/h/ln	1721	1695	1810	1721	1695	1583	1774	1863	1583	1721	1863	1583
Q Serve(g_s), s	2.4	8.8	8.9	7.7	9.9	0.0	1.5	2.0	0.0	4.6	6.3	3.3
Cycle Q Clear(g_c), s	2.4	8.8	8.9	7.7	9.9	0.0	1.5	2.0	0.0	4.6	6.3	3.3
Prop In Lane	1.00		0.16	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	261	961	513	652	2020	629	81	86	73	622	337	286
V/C Ratio(X)	0.55	0.60	0.60	0.73	0.54	0.00	0.55	0.73	-0.81	0.47	0.63	0.35
Avail Cap(c_a), veh/h	603	1839	982	1579	4200	1308	548	575	489	1637	886	753
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	26.7	18.6	18.6	22.8	13.9	0.0	28.0	28.2	0.0	22.0	22.7	21.5
Incr Delay (d2), s/veh	1.8	0.6	1.2	1.6	0.2	0.0	5.7	11.0	0.0	0.6	1.9	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.2	4.2	4.6	3.8	4.6	0.0	0.9	1.3	0.0	2.2	3.4	1.5
LnGrp Delay(d),s/veh	28.5	19.2	19.7	24.4	14.1	0.0	33.7	39.2	0.0	22.6	24.6	22.2
LnGrp LOS	C	B	B	C	B		C	D		C	C	C
Approach Vol, veh/h		1032			1569			48			607	
Approach Delay, s/veh		20.6			17.2			82.3			23.2	
Approach LOS		C			B			F			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		15.3	15.9	21.5		7.3	9.0	28.3
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		28.5	27.5	32.5		18.5	10.5	49.5
Max Q Clear Time (g_c+I1), s		8.3	9.7	10.9		4.0	4.4	11.9
Green Ext Time (p_c), s		2.6	1.6	6.1		0.3	0.2	9.9

Intersection Summary	
HCM 2010 Ctrl Delay	20.4
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	820	243	13	2	231	145	10	8	5	112	5	1015
Future Volume (veh/h)	820	243	13	2	231	145	10	8	5	112	5	1015
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1900	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	891	264	14	2	231	145	10	8	5	116	0	1015
Adj No. of Lanes	2	1	1	1	2	1	0	2	0	2	0	2
Peak Hour Factor	0.92	0.92	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	1184	1077	915	5	866	387	39	32	21	445	0	1486
Arrive On Green	0.34	0.58	0.58	0.00	0.24	0.24	0.03	0.03	0.03	0.13	0.00	0.13
Sat Flow, veh/h	3442	1863	1583	1774	3539	1583	1484	1241	787	3548	0	3167
Grp Volume(v), veh/h	891	264	14	2	231	145	12	0	11	116	0	1015
Grp Sat Flow(s),veh/h/ln	1721	1863	1583	1774	1770	1583	1789	0	1724	1774	0	1583
Q Serve(g_s), s	15.0	4.6	0.2	0.1	3.5	5.0	0.4	0.0	0.4	1.9	0.0	0.0
Cycle Q Clear(g_c), s	15.0	4.6	0.2	0.1	3.5	5.0	0.4	0.0	0.4	1.9	0.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	0.83		0.46	1.00		1.00
Lane Grp Cap(c), veh/h	1184	1077	915	5	866	387	47	0	45	445	0	1486
V/C Ratio(X)	0.75	0.25	0.02	0.41	0.27	0.37	0.26	0.00	0.24	0.26	0.00	0.68
Avail Cap(c_a), veh/h	1184	1077	915	136	866	387	492	0	474	895	0	1888
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	19.0	6.8	5.9	32.6	20.0	20.5	31.2	0.0	31.2	25.9	0.0	13.6
Incr Delay (d2), s/veh	4.4	0.5	0.0	47.9	0.8	2.8	2.9	0.0	2.8	0.3	0.0	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.8	2.4	0.1	0.1	1.8	2.5	0.3	0.0	0.2	1.0	0.0	7.1
LnGrp Delay(d),s/veh	23.4	7.3	5.9	80.5	20.7	23.3	34.1	0.0	34.0	26.2	0.0	14.3
LnGrp LOS	C	A	A	F	C	C	C		C	C		B
Approach Vol, veh/h		1169			378			23			1131	
Approach Delay, s/veh		19.6			22.0			34.0			15.5	
Approach LOS		B			C			C			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		6.2	4.7	42.3		12.2	27.0	20.0
Change Period (Y+Rc), s		4.5	4.5	* 4.5		4.0	4.5	4.0
Max Green Setting (Gmax), s		18.0	5.0	* 34		16.5	22.5	16.0
Max Q Clear Time (g_c+I1), s		2.4	2.1	6.6		3.9	17.0	7.0
Green Ext Time (p_c), s		0.0	0.0	1.6		4.3	1.9	1.3

Intersection Summary	
HCM 2010 Ctrl Delay	18.3
HCM 2010 LOS	B

Notes

User approved pedestrian interval to be less than phase max green.
User approved volume balancing among the lanes for turning movement.
* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

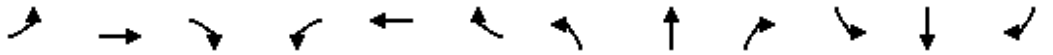
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	179	13	444	19	12	7	704	231	18	9	666	207
Future Volume (veh/h)	179	13	444	19	12	7	704	231	18	9	666	207
Number	3	8	18	7	4	14	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1900	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	208	0	54	19	12	7	704	231	18	9	666	207
Adj No. of Lanes	2	0	1	0	1	0	2	2	0	1	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	363	0	162	35	22	13	906	1752	136	21	972	435
Arrive On Green	0.10	0.00	0.10	0.04	0.04	0.04	0.26	0.53	0.53	0.01	0.27	0.27
Sat Flow, veh/h	3548	0	1583	881	556	324	3442	3329	258	1774	3539	1583
Grp Volume(v), veh/h	208	0	54	38	0	0	704	122	127	9	666	207
Grp Sat Flow(s),veh/h/ln	1774	0	1583	1761	0	0	1721	1770	1817	1774	1770	1583
Q Serve(g_s), s	3.1	0.0	1.8	1.2	0.0	0.0	10.7	2.0	2.0	0.3	9.5	6.1
Cycle Q Clear(g_c), s	3.1	0.0	1.8	1.2	0.0	0.0	10.7	2.0	2.0	0.3	9.5	6.1
Prop In Lane	1.00		1.00	0.50		0.18	1.00		0.14	1.00		1.00
Lane Grp Cap(c), veh/h	363	0	162	70	0	0	906	931	956	21	972	435
V/C Ratio(X)	0.57	0.00	0.33	0.54	0.00	0.00	0.78	0.13	0.13	0.44	0.68	0.48
Avail Cap(c_a), veh/h	1135	0	507	564	0	0	1438	1290	1325	158	1416	633
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.1	0.0	23.5	26.5	0.0	0.0	19.2	6.8	6.8	27.6	18.2	17.0
Incr Delay (d2), s/veh	1.4	0.0	1.2	6.4	0.0	0.0	1.5	0.1	0.1	13.7	0.9	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	0.0	0.8	0.7	0.0	0.0	5.2	1.0	1.0	0.2	4.7	2.7
LnGrp Delay(d),s/veh	25.5	0.0	24.7	32.9	0.0	0.0	20.7	6.8	6.8	41.3	19.1	17.8
LnGrp LOS	C		C	C			C	A	A	D	B	B
Approach Vol, veh/h		262			38			953			882	
Approach Delay, s/veh		25.3			32.9			17.1			19.0	
Approach LOS		C			C			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	5.2	34.1		6.7	19.3	20.0		10.2
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	5.0	41.0		18.0	23.5	22.5		18.0
Max Q Clear Time (g_c+I1), s	3.3	4.0		3.2	12.7	11.5		5.1
Green Ext Time (p_c), s	0.0	1.5		0.1	2.2	4.0		0.7

Intersection Summary	
HCM 2010 Ctrl Delay	19.2
HCM 2010 LOS	B

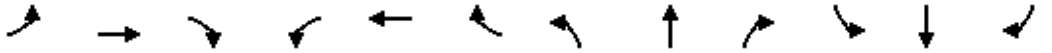
Notes

User approved volume balancing among the lanes for turning movement.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	16	117	34	118	80	64	2	919	140	109	751	33
Future Volume (vph)	16	117	34	118	80	64	2	919	140	109	751	33
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		3.0	3.0		3.0	3.0		3.0	3.0		3.0	
Lane Util. Factor		1.00	1.00		1.00	1.00		0.95	1.00		0.95	
Frt		1.00	0.85		1.00	0.85		1.00	0.85		0.99	
Flt Protected		0.99	1.00		0.97	1.00		1.00	1.00		0.99	
Satd. Flow (prot)		1852	1583		1809	1583		3539	1583		3498	
Flt Permitted		0.96	1.00		0.74	1.00		0.95	1.00		0.71	
Satd. Flow (perm)		1786	1583		1376	1583		3377	1583		2505	
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	16	117	34	118	80	64	2	919	140	109	751	33
RTOR Reduction (vph)	0	0	24	0	0	46	0	0	50	0	3	0
Lane Group Flow (vph)	0	133	10	0	198	18	0	921	90	0	890	0
Turn Type	Perm	NA	Perm	Perm	NA	Perm	Perm	NA	Perm	Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4		4	8		8	2		2	6		
Actuated Green, G (s)		24.5	24.5		24.5	24.5		56.5	56.5		56.5	
Effective Green, g (s)		26.0	26.0		26.0	26.0		58.0	58.0		58.0	
Actuated g/C Ratio		0.29	0.29		0.29	0.29		0.64	0.64		0.64	
Clearance Time (s)		4.5	4.5		4.5	4.5		4.5	4.5		4.5	
Lane Grp Cap (vph)		515	457		397	457		2176	1020		1614	
v/s Ratio Prot												
v/s Ratio Perm		0.07	0.01		c0.14	0.01		0.27	0.06		c0.36	
v/c Ratio		0.26	0.02		0.50	0.04		0.42	0.09		0.55	
Uniform Delay, d1		24.6	22.9		26.6	23.0		7.8	6.0		8.8	
Progression Factor		1.00	1.00		1.00	1.00		1.00	1.00		1.00	
Incremental Delay, d2		1.2	0.1		4.4	0.2		0.6	0.2		1.4	
Delay (s)		25.8	23.0		31.0	23.2		8.4	6.2		10.2	
Level of Service		C	C		C	C		A	A		B	
Approach Delay (s)		25.2			29.1			8.1			10.2	
Approach LOS		C			C			A			B	

Intersection Summary			
HCM 2000 Control Delay	12.4	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.53		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	6.0
Intersection Capacity Utilization	77.8%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	870	582	514	701	0	0	0	0	198	1	921
Future Volume (vph)	0	870	582	514	701	0	0	0	0	198	1	921
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.5	4.5	4.5	4.5						4.5	4.5
Lane Util. Factor		0.86	0.86	0.97	0.95						1.00	0.76
Frt		0.97	0.85	1.00	1.00						1.00	0.85
Flt Protected		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (prot)		4645	1362	3433	3539						1774	3610
Flt Permitted		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (perm)		4645	1362	3433	3539						1774	3610
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	0	870	582	514	701	0	0	0	0	198	1	921
RTOR Reduction (vph)	0	55	216	0	0	0	0	0	0	0	0	40
Lane Group Flow (vph)	0	1065	116	514	701	0	0	0	0	0	199	881
Turn Type		NA	Perm	Prot	NA					Split	NA	custom
Protected Phases		2		3	8					6	6	2 6
Permitted Phases			2									
Actuated Green, G (s)		31.5	31.5	26.5	26.5						18.5	54.5
Effective Green, g (s)		31.5	31.5	26.5	26.5						18.5	54.5
Actuated g/C Ratio		0.35	0.35	0.29	0.29						0.21	0.61
Clearance Time (s)		4.5	4.5	4.5	4.5						4.5	
Vehicle Extension (s)		3.0	3.0	3.0	3.0						3.0	
Lane Grp Cap (vph)		1625	476	1010	1042						364	2186
v/s Ratio Prot		c0.23		0.15	c0.20						c0.11	0.24
v/s Ratio Perm			0.09									
v/c Ratio		0.66	0.24	0.51	0.67						0.55	0.40
Uniform Delay, d1		24.7	20.8	26.3	27.9						32.0	9.3
Progression Factor		1.00	1.00	1.00	1.00						1.00	1.00
Incremental Delay, d2		1.0	0.3	0.4	3.5						5.8	0.1
Delay (s)		25.6	21.1	26.8	31.4						37.8	9.4
Level of Service		C	C	C	C						D	A
Approach Delay (s)		24.6			29.4			0.0			14.4	
Approach LOS		C			C			A			B	

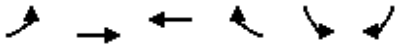
Intersection Summary					
HCM 2000 Control Delay	23.1	HCM 2000 Level of Service	C		
HCM 2000 Volume to Capacity ratio	0.63				
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	13.5		
Intersection Capacity Utilization	61.0%	ICU Level of Service	B		
Analysis Period (min)	15				

c Critical Lane Group

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	1052	0	0	183	842	69
Future Volume (veh/h)	1052	0	0	183	842	69
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	1863	1863	1863
Adj Flow Rate, veh/h	1052	0	0	183	842	36
Adj No. of Lanes	2	1	0	2	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	0	2	2	2
Cap, veh/h	1699	760	0	1699	1280	589
Arrive On Green	0.48	0.00	0.00	0.48	0.37	0.37
Sat Flow, veh/h	3632	1583	0	3725	3442	1583
Grp Volume(v), veh/h	1052	0	0	183	842	36
Grp Sat Flow(s),veh/h/ln	1770	1583	0	1770	1721	1583
Q Serve(g_s), s	8.9	0.0	0.0	1.1	8.3	0.6
Cycle Q Clear(g_c), s	8.9	0.0	0.0	1.1	8.3	0.6
Prop In Lane		1.00	0.00		1.00	1.00
Lane Grp Cap(c), veh/h	1699	760	0	1699	1280	589
V/C Ratio(X)	0.62	0.00	0.00	0.11	0.66	0.06
Avail Cap(c_a), veh/h	2531	1132	0	2531	2546	1171
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	7.8	0.0	0.0	5.8	10.6	8.2
Incr Delay (d2), s/veh	0.4	0.0	0.0	0.0	0.6	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.3	0.0	0.0	0.6	4.0	0.3
LnGrp Delay(d),s/veh	8.2	0.0	0.0	5.8	11.2	8.2
LnGrp LOS	A			A	B	A
Approach Vol, veh/h	1052			183	878	
Approach Delay, s/veh	8.2			5.8	11.1	
Approach LOS	A			A	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		18.1		22.5				22.5
Change Period (Y+Rc), s		4.5		4.5				4.5
Max Green Setting (Gmax), s		28.5		27.5				27.5
Max Q Clear Time (g_c+I1), s		10.3		10.9				3.1
Green Ext Time (p_c), s		3.3		7.1				1.1

Intersection Summary	
HCM 2010 Ctrl Delay	9.2
HCM 2010 LOS	A



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	1139	1013	0	643	941
Future Volume (veh/h)	0	1139	1013	0	643	941
Number	7	4	8	18	1	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	0	1139	1013	0	523	1054
Adj No. of Lanes	0	3	3	0	1	2
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	0	2	2	2	2	2
Cap, veh/h	0	2085	2085	0	850	1517
Arrive On Green	0.00	0.41	0.41	0.00	0.48	0.48
Sat Flow, veh/h	0	5421	5421	0	1774	3167
Grp Volume(v), veh/h	0	1139	1013	0	523	1054
Grp Sat Flow(s),veh/h/ln	0	1695	1695	0	1774	1583
Q Serve(g_s), s	0.0	9.2	8.0	0.0	11.8	14.1
Cycle Q Clear(g_c), s	0.0	9.2	8.0	0.0	11.8	14.1
Prop In Lane	0.00			0.00	1.00	1.00
Lane Grp Cap(c), veh/h	0	2085	2085	0	850	1517
V/C Ratio(X)	0.00	0.55	0.49	0.00	0.62	0.69
Avail Cap(c_a), veh/h	0	3754	3754	0	2259	4032
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	12.2	11.8	0.0	10.4	11.0
Incr Delay (d2), s/veh	0.0	0.2	0.2	0.0	0.7	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	4.3	3.7	0.0	5.8	6.1
LnGrp Delay(d),s/veh	0.0	12.4	12.0	0.0	11.1	11.6
LnGrp LOS		B	B		B	B
Approach Vol, veh/h		1139	1013		1577	
Approach Delay, s/veh		12.4	12.0		11.4	
Approach LOS		B	B		B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs				4		6		8
Phs Duration (G+Y+Rc), s				25.2		29.0		25.2
Change Period (Y+Rc), s				4.5		4.5		4.5
Max Green Setting (Gmax), s				38.5		67.5		38.5
Max Q Clear Time (g_c+I1), s				11.2		16.1		10.0
Green Ext Time (p_c), s				9.5		8.4		8.3

Intersection Summary	
HCM 2010 Ctrl Delay	11.9
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	417	1354	337	401	896	493	150	129	248	132	17	48
Future Volume (veh/h)	417	1354	337	401	896	493	150	129	248	132	17	48
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	417	1354	176	401	896	242	150	129	34	132	17	21
Adj No. of Lanes	1	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	507	2233	695	600	1667	519	412	223	465	325	176	150
Arrive On Green	0.29	0.44	0.44	0.17	0.33	0.33	0.12	0.12	0.12	0.09	0.09	0.09
Sat Flow, veh/h	1774	5085	1583	3442	5085	1583	3442	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	417	1354	176	401	896	242	150	129	34	132	17	21
Grp Sat Flow(s),veh/h/ln	1774	1695	1583	1721	1695	1583	1721	1863	1583	1721	1863	1583
Q Serve(g_s), s	15.3	14.2	4.9	7.6	10.0	8.4	2.8	4.6	0.0	2.5	0.6	0.8
Cycle Q Clear(g_c), s	15.3	14.2	4.9	7.6	10.0	8.4	2.8	4.6	0.0	2.5	0.6	0.8
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	507	2233	695	600	1667	519	412	223	465	325	176	150
V/C Ratio(X)	0.82	0.61	0.25	0.67	0.54	0.47	0.36	0.58	0.07	0.41	0.10	0.14
Avail Cap(c_a), veh/h	815	3389	1055	1043	2593	807	494	268	504	1508	816	694
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	23.2	14.9	12.3	26.9	19.1	18.6	28.2	29.0	17.7	29.7	28.8	28.9
Incr Delay (d2), s/veh	3.7	0.3	0.2	1.3	0.3	0.7	0.5	2.4	0.1	0.8	0.2	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.9	6.6	2.1	3.7	4.7	3.8	1.4	2.5	0.5	1.2	0.3	0.4
LnGrp Delay(d),s/veh	26.9	15.2	12.5	28.2	19.4	19.2	28.8	31.4	17.8	30.5	29.0	29.4
LnGrp LOS	C	B	B	C	B	B	C	C	B	C	C	C
Approach Vol, veh/h		1947			1539			313			170	
Approach Delay, s/veh		17.5			21.6			28.6			30.2	
Approach LOS		B			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		9.6	15.1	33.6		11.3	22.9	25.8
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		29.0	19.6	44.9		8.5	30.5	34.0
Max Q Clear Time (g_c+I1), s		4.5	9.6	16.2		6.6	17.3	12.0
Green Ext Time (p_c), s		0.6	1.1	12.9		0.3	1.1	7.6

Intersection Summary	
HCM 2010 Ctrl Delay	20.5
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	108	648	45	388	295	763	31	435	727	798	803	36
Future Volume (veh/h)	108	648	45	388	295	763	31	435	727	798	803	36
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.90	1.00		0.91	1.00		0.96	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	108	648	45	388	295	679	31	435	683	798	803	36
Adj No. of Lanes	1	2	0	3	2	1	1	3	1	2	3	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	223	998	69	743	1142	774	42	1214	600	677	2052	92
Arrive On Green	0.13	0.30	0.30	0.15	0.32	0.32	0.02	0.24	0.24	0.20	0.41	0.41
Sat Flow, veh/h	1774	3330	231	5003	3539	1435	1774	5085	1527	3442	4984	223
Grp Volume(v), veh/h	108	344	349	388	295	679	31	435	683	798	545	294
Grp Sat Flow(s),veh/h/ln	1774	1770	1791	1668	1770	1435	1774	1695	1527	1721	1695	1817
Q Serve(g_s), s	8.8	26.2	26.3	11.1	9.5	50.0	2.7	11.0	37.0	30.5	17.5	17.6
Cycle Q Clear(g_c), s	8.8	26.2	26.3	11.1	9.5	50.0	2.7	11.0	37.0	30.5	17.5	17.6
Prop In Lane	1.00		0.13	1.00		1.00	1.00		1.00	1.00		0.12
Lane Grp Cap(c), veh/h	223	531	537	743	1142	774	42	1214	600	677	1396	748
V/C Ratio(X)	0.48	0.65	0.65	0.52	0.26	0.88	0.74	0.36	1.14	1.18	0.39	0.39
Avail Cap(c_a), veh/h	223	531	537	888	1142	774	80	1214	600	677	1396	748
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.86	0.86	0.86	0.77	0.77	0.77	1.00	1.00	1.00
Uniform Delay (d), s/veh	63.1	47.2	47.2	60.9	38.8	33.8	75.2	49.1	47.7	62.2	32.0	32.0
Incr Delay (d2), s/veh	1.6	6.0	6.0	0.5	0.5	11.7	17.2	0.6	77.7	95.1	0.8	1.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.4	13.7	13.9	5.2	4.7	28.5	1.5	5.2	38.6	23.4	8.3	9.1
LnGrp Delay(d),s/veh	64.7	53.2	53.2	61.4	39.3	45.5	92.4	49.8	125.4	157.3	32.8	33.5
LnGrp LOS	E	D	D	E	D	D	F	D	F	F	C	C
Approach Vol, veh/h		801			1362			1149			1637	
Approach Delay, s/veh		54.7			48.7			95.9			93.6	
Approach LOS		D			D			F			F	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	35.0	41.5	27.5	51.0	8.2	68.3	24.0	54.5
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	30.5	37.0	27.5	42.0	7.0	60.5	19.5	50.0
Max Q Clear Time (g_c+I1), s	32.5	39.0	13.1	28.3	4.7	19.6	10.8	52.0
Green Ext Time (p_c), s	0.0	0.0	1.3	3.7	0.0	6.6	0.1	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	75.5
HCM 2010 LOS	E

Notes

User approved changes to right turn type.

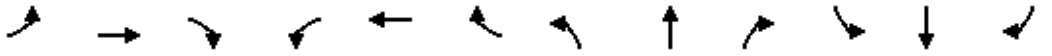
Intersection	
Int Delay, s/veh	5.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	42	4	271	5	6	1	73	175	7	2	123	42
Future Vol, veh/h	42	4	271	5	6	1	73	175	7	2	123	42
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	-	-	-	50	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	42	4	271	5	6	1	73	175	7	2	123	42

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	476	476	144	611	494	179	165	0	0	182	0	0
Stage 1	148	148	-	325	325	-	-	-	-	-	-	-
Stage 2	328	328	-	286	169	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	499	488	903	406	476	864	1413	-	-	1393	-	-
Stage 1	855	775	-	687	649	-	-	-	-	-	-	-
Stage 2	685	647	-	721	759	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	473	462	903	271	450	864	1413	-	-	1393	-	-
Mov Cap-2 Maneuver	473	462	-	271	450	-	-	-	-	-	-	-
Stage 1	811	773	-	651	615	-	-	-	-	-	-	-
Stage 2	643	613	-	501	757	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	11.1	15.2	2.2	0.1
HCM LOS	B	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1413	-	-	473	891	364	1393	-	-
HCM Lane V/C Ratio	0.052	-	-	0.089	0.309	0.033	0.001	-	-
HCM Control Delay (s)	7.7	-	-	13.4	10.8	15.2	7.6	0	-
HCM Lane LOS	A	-	-	B	B	C	A	A	-
HCM 95th %tile Q(veh)	0.2	-	-	0.3	1.3	0.1	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	278	125	47	11	71	115	42	802	26	216	904	330
Future Volume (veh/h)	278	125	47	11	71	115	42	802	26	216	904	330
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	278	125	47	11	71	115	42	802	26	216	904	330
Adj No. of Lanes	1	1	0	0	2	1	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	364	265	100	50	343	172	72	1364	425	270	1932	602
Arrive On Green	0.20	0.20	0.20	0.11	0.11	0.11	0.04	0.27	0.27	0.15	0.38	0.38
Sat Flow, veh/h	1774	1291	486	461	3148	1583	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	278	0	172	44	38	115	42	802	26	216	904	330
Grp Sat Flow(s),veh/h/ln	1774	0	1777	1840	1770	1583	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	10.0	0.0	5.8	1.5	1.3	4.7	1.6	9.3	0.8	8.0	9.1	11.1
Cycle Q Clear(g_c), s	10.0	0.0	5.8	1.5	1.3	4.7	1.6	9.3	0.8	8.0	9.1	11.1
Prop In Lane	1.00		0.27	0.25		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	364	0	364	200	193	172	72	1364	425	270	1932	602
V/C Ratio(X)	0.76	0.00	0.47	0.22	0.20	0.67	0.59	0.59	0.06	0.80	0.47	0.55
Avail Cap(c_a), veh/h	1035	0	1037	1100	1058	947	668	4168	1298	668	4168	1298
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	25.4	0.0	23.7	27.5	27.5	29.0	31.9	21.5	18.4	27.7	15.8	16.4
Incr Delay (d2), s/veh	3.4	0.0	1.0	0.5	0.5	4.4	7.4	0.4	0.1	5.4	0.2	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.2	0.0	2.9	0.8	0.7	2.3	0.9	4.4	0.4	4.3	4.2	4.9
LnGrp Delay(d),s/veh	28.7	0.0	24.6	28.1	28.0	33.4	39.4	21.9	18.5	33.2	16.0	17.2
LnGrp LOS	C		C	C	C	C	D	C	B	C	B	B
Approach Vol, veh/h		450			197			870			1450	
Approach Delay, s/veh		27.2			31.2			22.7			18.8	
Approach LOS		C			C			C			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	14.8	22.7		18.4	7.2	30.2		11.9
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	25.5	55.5		39.5	25.5	55.5		40.5
Max Q Clear Time (g_c+I1), s	10.0	11.3		12.0	3.6	13.1		6.7
Green Ext Time (p_c), s	0.5	6.9		1.9	0.1	9.6		0.8

Intersection Summary	
HCM 2010 Ctrl Delay	22.0
HCM 2010 LOS	C

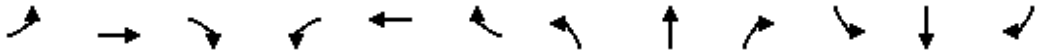
Intersection	
Int Delay, s/veh	6.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	51	1	347	2	2	0	132	204	2	1	318	80
Future Vol, veh/h	51	1	347	2	2	0	132	204	2	1	318	80
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	-	0	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	51	1	347	2	2	0	132	204	2	1	318	80

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	830	830	358	1003	869	205	398	0	0	206	0	0
Stage 1	360	360	-	469	469	-	-	-	-	-	-	-
Stage 2	470	470	-	534	400	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	289	306	686	221	290	836	1161	-	-	1365	-	-
Stage 1	658	626	-	575	561	-	-	-	-	-	-	-
Stage 2	574	560	-	530	602	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	262	271	686	99	257	836	1161	-	-	1365	-	-
Mov Cap-2 Maneuver	262	271	-	99	257	-	-	-	-	-	-	-
Stage 1	583	625	-	509	497	-	-	-	-	-	-	-
Stage 2	507	496	-	261	601	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	16.4	30.9	3.3	0
HCM LOS	C	D		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1161	-	-	262	686	143	1365	-	-
HCM Lane V/C Ratio	0.114	-	-	0.198	0.506	0.028	0.001	-	-
HCM Control Delay (s)	8.5	-	-	22.1	15.5	30.9	7.6	0	-
HCM Lane LOS	A	-	-	C	C	D	A	A	-
HCM 95th %tile Q(veh)	0.4	-	-	0.7	2.9	0.1	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	192	207	218	14	169	42	255	490	51	141	620	195
Future Volume (veh/h)	192	207	218	14	169	42	255	490	51	141	620	195
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	192	207	218	14	169	42	255	490	51	141	620	195
Adj No. of Lanes	1	2	0	0	2	0	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	413	434	369	29	362	93	350	1614	502	224	1251	684
Arrive On Green	0.23	0.23	0.23	0.11	0.13	0.11	0.20	0.32	0.32	0.13	0.25	0.22
Sat Flow, veh/h	1774	1863	1583	217	2684	691	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	192	207	218	119	0	106	255	490	51	141	620	195
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1852	0	1741	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	5.9	6.1	7.8	3.8	0.0	3.6	8.6	4.6	1.4	4.8	6.7	5.1
Cycle Q Clear(g_c), s	5.9	6.1	7.8	3.8	0.0	3.6	8.6	4.6	1.4	4.8	6.7	5.1
Prop In Lane	1.00		1.00	0.12		0.40	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	413	434	369	250	0	235	350	1614	502	224	1251	684
V/C Ratio(X)	0.46	0.48	0.59	0.48	0.00	0.45	0.73	0.30	0.10	0.63	0.50	0.29
Avail Cap(c_a), veh/h	1073	1127	958	1120	0	1053	753	4555	1418	753	4555	1713
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	21.0	21.1	21.7	25.5	0.0	25.6	23.9	16.4	15.3	26.4	20.6	11.7
Incr Delay (d2), s/veh	0.8	0.8	1.5	1.4	0.0	1.4	2.9	0.1	0.1	2.9	0.3	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.0	3.2	3.5	2.0	0.0	1.8	4.5	2.2	0.6	2.5	3.1	3.1
LnGrp Delay(d),s/veh	21.8	21.9	23.2	27.0	0.0	27.0	26.8	16.5	15.4	29.3	20.9	11.9
LnGrp LOS	C	C	C	C		C	C	B	B	C	C	B
Approach Vol, veh/h		617			225			796			956	
Approach Delay, s/veh		22.3			27.0			19.7			20.3	
Approach LOS		C			C			B			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	11.0	23.2		17.8	15.6	18.7		11.6
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	25.5	55.5		37.0	25.5	55.5		37.0
Max Q Clear Time (g_c+I1), s	6.8	6.6		9.8	10.6	8.7		5.8
Green Ext Time (p_c), s	0.3	3.8		3.5	0.6	5.5		1.4

Intersection Summary	
HCM 2010 Ctrl Delay	21.2
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	3	424	28	258	293	381	45	386	452	417	340	22
Future Volume (veh/h)	3	424	28	258	293	381	45	386	452	417	340	22
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	3	424	28	258	293	381	45	386	0	417	340	22
Adj No. of Lanes	1	2	0	1	1	1	1	2	1	2	1	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	266	505	33	454	476	405	58	1124	503	485	737	48
Arrive On Green	0.15	0.15	0.15	0.26	0.26	0.26	0.03	0.32	0.00	0.14	0.43	0.43
Sat Flow, veh/h	1774	3371	222	1774	1863	1583	1774	3539	1583	3442	1731	112
Grp Volume(v), veh/h	3	222	230	258	293	381	45	386	0	417	0	362
Grp Sat Flow(s),veh/h/ln	1774	1770	1824	1774	1863	1583	1774	1770	1583	1721	0	1843
Q Serve(g_s), s	0.2	16.1	16.2	16.8	18.4	31.2	3.3	11.0	0.0	15.7	0.0	18.6
Cycle Q Clear(g_c), s	0.2	16.1	16.2	16.8	18.4	31.2	3.3	11.0	0.0	15.7	0.0	18.6
Prop In Lane	1.00		0.12	1.00		1.00	1.00		1.00	1.00		0.06
Lane Grp Cap(c), veh/h	266	265	273	454	476	405	58	1124	503	485	0	785
V/C Ratio(X)	0.01	0.84	0.84	0.57	0.62	0.94	0.78	0.34	0.00	0.86	0.00	0.46
Avail Cap(c_a), veh/h	345	344	354	463	486	413	127	1124	503	664	0	785
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	47.9	54.6	54.7	42.9	43.5	48.2	63.5	34.6	0.0	55.5	0.0	27.1
Incr Delay (d2), s/veh	0.0	13.1	13.3	1.6	2.3	29.6	19.4	0.2	0.0	8.4	0.0	1.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	8.9	9.2	8.4	9.7	16.9	2.0	5.4	0.0	8.0	0.0	9.9
LnGrp Delay(d),s/veh	47.9	67.8	68.0	44.5	45.7	77.8	82.9	34.8	0.0	63.9	0.0	29.1
LnGrp LOS	D	E	E	D	D	E	F	C		E		C
Approach Vol, veh/h		455			932			431			779	
Approach Delay, s/veh		67.8			58.5			39.8			47.7	
Approach LOS		E			E			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	23.1	46.5		24.3	8.8	60.8		38.3
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	25.5	40.3		25.7	9.5	56.3		34.5
Max Q Clear Time (g_c+I1), s	11.7	13.0		18.2	5.3	20.6		33.2
Green Ext Time (p_c), s	1.0	2.7		1.6	0.0	2.4		0.6

Intersection Summary	
HCM 2010 Ctrl Delay	53.8
HCM 2010 LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	170	1084	34	313	829	298	130	189	380	114	105	79
Future Volume (veh/h)	170	1084	34	313	829	298	130	189	380	114	105	79
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	170	1084	34	313	829	0	130	189	103	114	105	10
Adj No. of Lanes	2	3	0	2	3	1	1	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	277	1770	55	435	2009	626	268	282	240	331	179	152
Arrive On Green	0.08	0.35	0.35	0.13	0.40	0.00	0.15	0.15	0.15	0.10	0.10	0.10
Sat Flow, veh/h	3442	5066	159	3442	5085	1583	1774	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	170	725	393	313	829	0	130	189	103	114	105	10
Grp Sat Flow(s),veh/h/ln	1721	1695	1835	1721	1695	1583	1774	1863	1583	1721	1863	1583
Q Serve(g_s), s	3.1	11.5	11.5	5.7	7.7	0.0	4.4	6.2	3.8	2.0	3.5	0.4
Cycle Q Clear(g_c), s	3.1	11.5	11.5	5.7	7.7	0.0	4.4	6.2	3.8	2.0	3.5	0.4
Prop In Lane	1.00		0.09	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	277	1184	641	435	2009	626	268	282	240	331	179	152
V/C Ratio(X)	0.61	0.61	0.61	0.72	0.41	0.00	0.48	0.67	0.43	0.34	0.59	0.07
Avail Cap(c_a), veh/h	873	2424	1312	714	3401	1059	668	702	596	1190	644	548
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	28.9	17.5	17.5	27.3	14.2	0.0	25.3	26.1	25.1	27.5	28.1	26.7
Incr Delay (d2), s/veh	2.2	0.5	1.0	2.3	0.1	0.0	1.4	2.8	1.2	0.6	3.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.5	5.4	6.0	2.8	3.6	0.0	2.2	3.4	1.7	1.0	2.0	0.2
LnGrp Delay(d),s/veh	31.1	18.0	18.5	29.6	14.4	0.0	26.6	28.8	26.3	28.1	31.2	26.9
LnGrp LOS	C	B	B	C	B		C	C	C	C	C	C
Approach Vol, veh/h		1288			1142			422			229	
Approach Delay, s/veh		19.9			18.5			27.5			29.4	
Approach LOS		B			B			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		10.8	12.7	27.2		14.3	9.7	30.2
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		22.5	13.5	46.5		24.5	16.5	43.5
Max Q Clear Time (g_c+I1), s		5.5	7.7	13.5		8.2	5.1	9.7
Green Ext Time (p_c), s		0.9	0.6	9.2		1.6	0.4	6.8

Intersection Summary	
HCM 2010 Ctrl Delay	21.1
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	1098	491	16	2	91	78	11	9	9	220	9	693
Future Volume (veh/h)	1098	491	16	2	91	78	11	9	9	220	9	693
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1900	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	1193	534	17	2	91	78	11	9	9	226	0	693
Adj No. of Lanes	2	1	1	1	2	1	0	2	0	2	0	2
Peak Hour Factor	0.92	0.92	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	1585	1017	865	5	313	140	41	34	35	491	0	1896
Arrive On Green	0.46	0.55	0.55	0.00	0.09	0.09	0.03	0.03	0.03	0.14	0.00	0.14
Sat Flow, veh/h	3442	1863	1583	1774	3539	1583	1300	1078	1091	3548	0	3167
Grp Volume(v), veh/h	1193	534	17	2	91	78	15	0	14	226	0	693
Grp Sat Flow(s),veh/h/ln	1721	1863	1583	1774	1770	1583	1798	0	1670	1774	0	1583
Q Serve(g_s), s	17.8	11.4	0.3	0.1	1.5	2.9	0.5	0.0	0.5	3.6	0.0	0.0
Cycle Q Clear(g_c), s	17.8	11.4	0.3	0.1	1.5	2.9	0.5	0.0	0.5	3.6	0.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	0.72		0.65	1.00		1.00
Lane Grp Cap(c), veh/h	1585	1017	865	5	313	140	57	0	53	491	0	1896
V/C Ratio(X)	0.75	0.52	0.02	0.41	0.29	0.56	0.27	0.00	0.26	0.46	0.00	0.37
Avail Cap(c_a), veh/h	1585	1017	865	142	1023	458	520	0	483	912	0	2272
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	13.9	9.0	6.5	31.0	26.5	27.2	29.4	0.0	29.4	24.7	0.0	6.4
Incr Delay (d2), s/veh	3.4	1.9	0.0	47.8	0.5	3.4	2.5	0.0	2.6	0.7	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	9.0	6.3	0.1	0.1	0.8	1.4	0.3	0.0	0.3	1.8	0.0	3.0
LnGrp Delay(d),s/veh	17.2	10.9	6.5	78.8	27.1	30.6	31.9	0.0	32.0	25.4	0.0	6.5
LnGrp LOS	B	B	A	E	C	C	C		C	C		A
Approach Vol, veh/h		1744			171			29			919	
Approach Delay, s/veh		15.2			29.3			32.0			11.2	
Approach LOS		B			C			C			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		6.5	4.7	38.5		12.6	33.2	10.0
Change Period (Y+Rc), s		4.5	4.5	* 4.5		4.0	4.5	4.5
Max Green Setting (Gmax), s		18.0	5.0	* 34		16.0	20.5	18.0
Max Q Clear Time (g_c+I1), s		2.5	2.1	13.4		5.6	19.8	4.9
Green Ext Time (p_c), s		0.1	0.0	3.5		3.0	0.4	0.6

Intersection Summary	
HCM 2010 Ctrl Delay	14.9
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

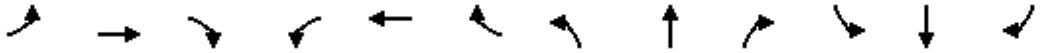
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	359	10	440	4	5	4	898	262	8	13	474	69
Future Volume (veh/h)	359	10	440	4	5	4	898	262	8	13	474	69
Number	3	8	18	7	4	14	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1900	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	424	0	135	4	5	4	898	262	8	13	474	69
Adj No. of Lanes	2	0	1	0	1	0	2	2	0	1	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	615	0	275	9	11	9	1121	1782	54	29	702	314
Arrive On Green	0.17	0.00	0.17	0.02	0.02	0.02	0.33	0.51	0.51	0.02	0.20	0.20
Sat Flow, veh/h	3548	0	1583	536	670	536	3442	3507	107	1774	3539	1583
Grp Volume(v), veh/h	424	0	135	13	0	0	898	132	138	13	474	69
Grp Sat Flow(s),veh/h/ln	1774	0	1583	1741	0	0	1721	1770	1844	1774	1770	1583
Q Serve(g_s), s	7.1	0.0	4.8	0.5	0.0	0.0	15.0	2.5	2.5	0.5	7.8	2.3
Cycle Q Clear(g_c), s	7.1	0.0	4.8	0.5	0.0	0.0	15.0	2.5	2.5	0.5	7.8	2.3
Prop In Lane	1.00		1.00	0.31		0.31	1.00		0.06	1.00		1.00
Lane Grp Cap(c), veh/h	615	0	275	28	0	0	1121	899	937	29	702	314
V/C Ratio(X)	0.69	0.00	0.49	0.46	0.00	0.00	0.80	0.15	0.15	0.45	0.68	0.22
Avail Cap(c_a), veh/h	1438	0	642	498	0	0	1997	1505	1568	141	1238	554
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.4	0.0	23.5	30.7	0.0	0.0	19.3	8.2	8.2	30.7	23.3	21.1
Incr Delay (d2), s/veh	1.4	0.0	1.4	11.4	0.0	0.0	1.4	0.1	0.1	10.8	1.1	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.5	0.0	2.2	0.3	0.0	0.0	7.3	1.2	1.3	0.3	3.9	1.0
LnGrp Delay(d),s/veh	25.8	0.0	24.9	42.0	0.0	0.0	20.7	8.3	8.3	41.5	24.5	21.5
LnGrp LOS	C		C	D			C	A	A	D	C	C
Approach Vol, veh/h		559			13			1168			556	
Approach Delay, s/veh		25.6			42.0			17.8			24.5	
Approach LOS		C			D			B			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	5.5	36.5		5.5	25.0	17.0		15.4
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	5.0	53.5		18.0	36.5	22.0		25.5
Max Q Clear Time (g_c+I1), s	2.5	4.5		2.5	17.0	9.8		9.1
Green Ext Time (p_c), s	0.0	1.7		0.0	3.5	2.7		1.9

Intersection Summary	
HCM 2010 Ctrl Delay	21.5
HCM 2010 LOS	C

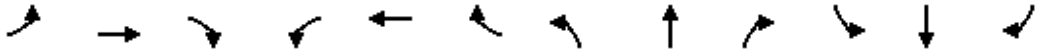
Notes

User approved volume balancing among the lanes for turning movement.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	25	163	64	127	91	53	0	841	128	114	819	23
Future Volume (vph)	25	163	64	127	91	53	0	841	128	114	819	23
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		3.0	3.0		3.0	3.0		3.0	3.0		3.0	
Lane Util. Factor		1.00	1.00		1.00	1.00		0.95	1.00		0.95	
Frt		1.00	0.85		1.00	0.85		1.00	0.85		1.00	
Flt Protected		0.99	1.00		0.97	1.00		1.00	1.00		0.99	
Satd. Flow (prot)		1850	1583		1810	1583		3539	1583		3506	
Flt Permitted		0.95	1.00		0.64	1.00		1.00	1.00		0.73	
Satd. Flow (perm)		1761	1583		1188	1583		3539	1583		2576	
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	25	163	64	127	91	53	0	841	128	114	819	23
RTOR Reduction (vph)	0	0	46	0	0	38	0	0	46	0	2	0
Lane Group Flow (vph)	0	188	18	0	218	15	0	841	82	0	954	0
Turn Type	Perm	NA	Perm	Perm	NA	Perm		NA	Perm	Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4		4	8		8			2	6		
Actuated Green, G (s)		24.5	24.5		24.5	24.5		56.5	56.5		56.5	
Effective Green, g (s)		26.0	26.0		26.0	26.0		58.0	58.0		58.0	
Actuated g/C Ratio		0.29	0.29		0.29	0.29		0.64	0.64		0.64	
Clearance Time (s)		4.5	4.5		4.5	4.5		4.5	4.5		4.5	
Lane Grp Cap (vph)		508	457		343	457		2280	1020		1660	
v/s Ratio Prot								0.24				
v/s Ratio Perm		0.11	0.01		c0.18	0.01			0.05		c0.37	
v/c Ratio		0.37	0.04		0.64	0.03		0.37	0.08		0.57	
Uniform Delay, d1		25.5	23.0		27.9	23.0		7.5	6.0		9.0	
Progression Factor		1.00	1.00		1.00	1.00		1.00	1.00		1.00	
Incremental Delay, d2		2.1	0.2		8.7	0.1		0.5	0.2		1.5	
Delay (s)		27.5	23.2		36.6	23.1		7.9	6.2		10.5	
Level of Service		C	C		D	C		A	A		B	
Approach Delay (s)		26.4			33.9			7.7			10.5	
Approach LOS		C			C			A			B	

Intersection Summary			
HCM 2000 Control Delay	13.6	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.59		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	6.0
Intersection Capacity Utilization	85.0%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	1212	481	241	561	0	0	0	0	364	21	850
Future Volume (vph)	0	1212	481	241	561	0	0	0	0	364	21	850
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.5	4.5	4.5	4.5						4.5	4.5
Lane Util. Factor		0.86	0.86	0.97	0.95						1.00	0.76
Frt		0.99	0.85	1.00	1.00						1.00	0.85
Flt Protected		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (prot)		4750	1362	3433	3539						1779	3610
Flt Permitted		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (perm)		4750	1362	3433	3539						1779	3610
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	0	1212	481	241	561	0	0	0	0	364	21	850
RTOR Reduction (vph)	0	7	132	0	0	0	0	0	0	0	0	20
Lane Group Flow (vph)	0	1306	248	241	561	0	0	0	0	0	385	830
Turn Type		NA	Perm	Prot	NA					Split	NA	custom
Protected Phases		2		3	8					6	6	2 6
Permitted Phases			2									
Actuated Green, G (s)		41.0	41.0	21.9	21.9						32.6	78.1
Effective Green, g (s)		41.0	41.0	21.9	21.9						32.6	78.1
Actuated g/C Ratio		0.38	0.38	0.20	0.20						0.30	0.72
Clearance Time (s)		4.5	4.5	4.5	4.5						4.5	
Vehicle Extension (s)		3.0	3.0	3.0	3.0						3.0	
Lane Grp Cap (vph)		1786	512	689	711						532	2586
v/s Ratio Prot		c0.27		0.07	c0.16						c0.22	0.23
v/s Ratio Perm			0.18									
v/c Ratio		0.73	0.49	0.35	0.79						0.72	0.32
Uniform Delay, d1		29.3	25.9	37.4	41.4						34.2	5.7
Progression Factor		1.00	1.00	1.00	1.00						1.00	1.00
Incremental Delay, d2		2.7	3.3	0.3	5.8						4.8	0.1
Delay (s)		31.9	29.2	37.7	47.2						39.0	5.8
Level of Service		C	C	D	D						D	A
Approach Delay (s)		31.3			44.3			0.0			16.1	
Approach LOS		C			D			A			B	

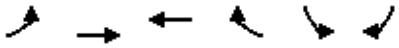
Intersection Summary					
HCM 2000 Control Delay	29.1	HCM 2000 Level of Service	C		
HCM 2000 Volume to Capacity ratio	0.74				
Actuated Cycle Length (s)	109.0	Sum of lost time (s)	13.5		
Intersection Capacity Utilization	66.4%	ICU Level of Service	C		
Analysis Period (min)	15				

c Critical Lane Group

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	591	0	0	417	672	94
Future Volume (veh/h)	591	0	0	417	672	94
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	1863	1863	1863
Adj Flow Rate, veh/h	591	0	0	417	672	61
Adj No. of Lanes	2	1	0	2	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	0	2	2	2
Cap, veh/h	1422	636	0	1422	1303	600
Arrive On Green	0.40	0.00	0.00	0.40	0.38	0.38
Sat Flow, veh/h	3632	1583	0	3725	3442	1583
Grp Volume(v), veh/h	591	0	0	417	672	61
Grp Sat Flow(s),veh/h/ln	1770	1583	0	1770	1721	1583
Q Serve(g_s), s	3.3	0.0	0.0	2.2	4.1	0.7
Cycle Q Clear(g_c), s	3.3	0.0	0.0	2.2	4.1	0.7
Prop In Lane		1.00	0.00		1.00	1.00
Lane Grp Cap(c), veh/h	1422	636	0	1422	1303	600
V/C Ratio(X)	0.42	0.00	0.00	0.29	0.52	0.10
Avail Cap(c_a), veh/h	4014	1796	0	4014	3526	1622
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	5.9	0.0	0.0	5.5	6.6	5.5
Incr Delay (d2), s/veh	0.2	0.0	0.0	0.1	0.3	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	0.0	0.0	1.1	1.9	0.3
LnGrp Delay(d),s/veh	6.1	0.0	0.0	5.7	6.9	5.6
LnGrp LOS	A			A	A	A
Approach Vol, veh/h	591			417	733	
Approach Delay, s/veh	6.1			5.7	6.8	
Approach LOS	A			A	A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		13.3		14.0				14.0
Change Period (Y+Rc), s		4.5		4.5				4.5
Max Green Setting (Gmax), s		26.5		29.5				29.5
Max Q Clear Time (g_c+I1), s		6.1		5.3				4.2
Green Ext Time (p_c), s		2.7		4.2				2.8

Intersection Summary	
HCM 2010 Ctrl Delay	6.3
HCM 2010 LOS	A



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	1039	1037	0	378	806
Future Volume (veh/h)	0	1039	1037	0	378	806
Number	7	4	8	18	1	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	0	1039	1037	0	378	790
Adj No. of Lanes	0	3	3	0	1	2
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	0	2	2	2	2	2
Cap, veh/h	0	2266	2266	0	727	1297
Arrive On Green	0.00	0.45	0.45	0.00	0.41	0.41
Sat Flow, veh/h	0	5421	5421	0	1774	3167
Grp Volume(v), veh/h	0	1039	1037	0	378	790
Grp Sat Flow(s),veh/h/ln	0	1695	1695	0	1774	1583
Q Serve(g_s), s	0.0	5.9	5.9	0.0	6.6	8.1
Cycle Q Clear(g_c), s	0.0	5.9	5.9	0.0	6.6	8.1
Prop In Lane	0.00			0.00	1.00	1.00
Lane Grp Cap(c), veh/h	0	2266	2266	0	727	1297
V/C Ratio(X)	0.00	0.46	0.46	0.00	0.52	0.61
Avail Cap(c_a), veh/h	0	5395	5395	0	2780	4963
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	8.0	8.0	0.0	9.2	9.6
Incr Delay (d2), s/veh	0.0	0.1	0.1	0.0	0.6	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	2.7	2.7	0.0	3.3	3.6
LnGrp Delay(d),s/veh	0.0	8.2	8.2	0.0	9.8	10.1
LnGrp LOS		A	A		A	B
Approach Vol, veh/h		1039	1037		1168	
Approach Delay, s/veh		8.2	8.2		10.0	
Approach LOS		A	A		A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs				4		6		8
Phs Duration (G+Y+Rc), s				21.5		20.0		21.5
Change Period (Y+Rc), s				4.5		4.5		4.5
Max Green Setting (Gmax), s				42.5		63.5		42.5
Max Q Clear Time (g_c+I1), s				7.9		10.1		7.9
Green Ext Time (p_c), s				9.1		5.4		9.1

Intersection Summary	
HCM 2010 Ctrl Delay	8.8
HCM 2010 LOS	A

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	72	944	321	280	1473	175	435	49	505	401	55	234
Future Volume (veh/h)	72	944	321	280	1473	175	435	49	505	401	55	234
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	72	944	160	280	1473	-76	435	49	291	401	55	207
Adj No. of Lanes	1	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	123	1386	432	738	2124	661	621	336	625	657	356	302
Arrive On Green	0.07	0.27	0.27	0.21	0.42	0.00	0.18	0.18	0.18	0.19	0.19	0.19
Sat Flow, veh/h	1774	5085	1583	3442	5085	1583	3442	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	72	944	160	280	1473	-76	435	49	291	401	55	207
Grp Sat Flow(s),veh/h/ln	1774	1695	1583	1721	1695	1583	1721	1863	1583	1721	1863	1583
Q Serve(g_s), s	3.3	14.1	6.9	5.9	20.1	0.0	10.1	1.9	0.0	9.0	2.1	10.3
Cycle Q Clear(g_c), s	3.3	14.1	6.9	5.9	20.1	0.0	10.1	1.9	0.0	9.0	2.1	10.3
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	123	1386	432	738	2124	661	621	336	625	657	356	302
V/C Ratio(X)	0.58	0.68	0.37	0.38	0.69	-0.11	0.70	0.15	0.47	0.61	0.15	0.68
Avail Cap(c_a), veh/h	218	1769	551	1096	2765	861	812	439	713	1279	692	588
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	38.3	27.5	25.0	28.5	20.2	0.0	32.6	29.2	19.0	31.4	28.6	31.9
Incr Delay (d2), s/veh	4.3	0.7	0.5	0.3	0.5	0.0	1.8	0.2	0.5	0.9	0.2	2.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.8	6.7	3.1	2.8	9.5	0.0	4.9	1.0	5.1	4.4	1.1	4.8
LnGrp Delay(d),s/veh	42.6	28.3	25.5	28.8	20.8	0.0	34.4	29.4	19.5	32.3	28.8	34.7
LnGrp LOS	D	C	C	C	C		C	C	B	C	C	C
Approach Vol, veh/h		1176			1677			775			663	
Approach Delay, s/veh		28.8			23.0			28.5			32.8	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		19.2	21.2	26.1		18.3	8.9	38.4
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		30.0	25.5	28.0		18.5	8.9	44.6
Max Q Clear Time (g_c+I1), s		12.3	7.9	16.1		12.1	5.3	22.1
Green Ext Time (p_c), s		2.4	0.9	5.6		1.8	0.0	11.8

Intersection Summary	
HCM 2010 Ctrl Delay	27.1
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	127	319	37	518	648	1058	59	679	635	642	783	58
Future Volume (veh/h)	127	319	37	518	648	1058	59	679	635	642	783	58
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.89	1.00		0.90	1.00		0.97	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	127	319	37	518	648	974	59	679	591	642	783	58
Adj No. of Lanes	1	2	0	3	2	1	1	3	1	2	3	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	192	855	98	695	1068	757	75	1358	629	712	2082	153
Arrive On Green	0.11	0.27	0.27	0.14	0.30	0.30	0.04	0.27	0.27	0.21	0.43	0.43
Sat Flow, veh/h	1774	3155	361	5003	3539	1424	1774	5085	1531	3442	4824	356
Grp Volume(v), veh/h	127	177	179	518	648	974	59	679	591	642	549	292
Grp Sat Flow(s),veh/h/ln	1774	1770	1746	1668	1770	1424	1774	1695	1531	1721	1695	1789
Q Serve(g_s), s	10.7	12.6	12.9	15.4	24.3	46.8	5.1	17.5	41.4	28.2	17.0	17.2
Cycle Q Clear(g_c), s	10.7	12.6	12.9	15.4	24.3	46.8	5.1	17.5	41.4	28.2	17.0	17.2
Prop In Lane	1.00		0.21	1.00		1.00	1.00		1.00	1.00		0.20
Lane Grp Cap(c), veh/h	192	480	473	695	1068	757	75	1358	629	712	1463	772
V/C Ratio(X)	0.66	0.37	0.38	0.75	0.61	1.29	0.78	0.50	0.94	0.90	0.38	0.38
Avail Cap(c_a), veh/h	192	480	473	695	1068	757	121	1358	629	899	1463	772
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.70	0.70	0.70	0.73	0.73	0.73	1.00	1.00	1.00
Uniform Delay (d), s/veh	66.4	45.8	45.9	64.1	46.3	39.1	73.5	48.0	44.5	59.9	29.9	29.9
Incr Delay (d2), s/veh	8.2	2.2	2.3	3.1	1.8	135.9	12.2	1.0	19.2	10.3	0.7	1.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.7	6.4	6.5	7.3	12.1	60.8	2.8	8.4	27.7	14.4	8.1	8.8
LnGrp Delay(d),s/veh	74.5	47.9	48.2	67.2	48.1	175.0	85.7	49.0	63.6	70.3	30.6	31.3
LnGrp LOS	E	D	D	E	D	F	F	D	E	E	C	C
Approach Vol, veh/h		483			2140			1329			1483	
Approach Delay, s/veh		55.0			110.4			57.2			47.9	
Approach LOS		E			F			E			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	36.6	45.9	26.0	46.5	11.1	71.4	21.3	51.3
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	18.5	37.0	17.5	42.0	10.6	66.9	15.7	43.8
Max Q Clear Time (g_c+I1), s	30.2	43.4	17.4	14.9	7.1	19.2	12.7	48.8
Green Ext Time (p_c), s	1.9	0.0	0.0	2.2	0.0	6.7	0.1	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	75.4
HCM 2010 LOS	E

Notes

User approved changes to right turn type.

Intersection	
Int Delay, s/veh	5.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	52	0	201	10	12	3	153	250	1	0	95	71
Future Vol, veh/h	52	0	201	10	12	3	153	250	1	0	95	71
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	-	-	-	50	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	52	0	201	10	12	3	153	250	1	0	95	71

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	695	688	131	788	723	251	166	0	0	251	0	0
Stage 1	131	131	-	557	557	-	-	-	-	-	-	-
Stage 2	564	557	-	231	166	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	357	369	919	309	352	788	1412	-	-	1314	-	-
Stage 1	873	788	-	515	512	-	-	-	-	-	-	-
Stage 2	510	512	-	772	761	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	317	329	919	221	314	788	1412	-	-	1314	-	-
Mov Cap-2 Maneuver	317	329	-	221	314	-	-	-	-	-	-	-
Stage 1	779	788	-	459	457	-	-	-	-	-	-	-
Stage 2	441	457	-	603	761	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	11.8	18.8	3	0
HCM LOS	B	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1412	-	-	317	919	286	1314	-	-
HCM Lane V/C Ratio	0.108	-	-	0.164	0.219	0.087	-	-	-
HCM Control Delay (s)	7.9	-	-	18.6	10	18.8	0	-	-
HCM Lane LOS	A	-	-	C	B	C	A	-	-
HCM 95th %tile Q(veh)	0.4	-	-	0.6	0.8	0.3	0	-	-

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	252	88	73	34	96	210	76	849	44	240	1108	224
Future Volume (veh/h)	252	88	73	34	96	210	76	849	44	240	1108	224
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	252	88	73	34	96	210	76	849	44	240	1108	224
Adj No. of Lanes	1	1	0	0	2	1	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	324	172	143	148	448	263	99	1323	412	291	1872	583
Arrive On Green	0.18	0.18	0.18	0.17	0.17	0.17	0.06	0.26	0.26	0.16	0.37	0.37
Sat Flow, veh/h	1774	943	782	892	2695	1583	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	252	0	161	69	61	210	76	849	44	240	1108	224
Grp Sat Flow(s),veh/h/ln	1774	0	1725	1818	1770	1583	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	10.7	0.0	6.7	2.6	2.3	10.1	3.3	11.7	1.7	10.4	13.9	8.2
Cycle Q Clear(g_c), s	10.7	0.0	6.7	2.6	2.3	10.1	3.3	11.7	1.7	10.4	13.9	8.2
Prop In Lane	1.00		0.45	0.49		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	324	0	315	302	294	263	99	1323	412	291	1872	583
V/C Ratio(X)	0.78	0.00	0.51	0.23	0.21	0.80	0.77	0.64	0.11	0.83	0.59	0.38
Avail Cap(c_a), veh/h	885	0	860	539	525	470	347	2664	830	840	4077	1269
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	30.9	0.0	29.2	28.6	28.5	31.7	36.9	26.0	22.3	32.0	20.2	18.4
Incr Delay (d2), s/veh	4.1	0.0	1.3	0.4	0.3	5.5	11.6	0.5	0.1	5.9	0.3	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.6	0.0	3.3	1.3	1.2	4.8	2.0	5.6	0.7	5.5	6.5	3.7
LnGrp Delay(d),s/veh	34.9	0.0	30.5	29.0	28.8	37.2	48.5	26.6	22.4	37.9	20.5	18.8
LnGrp LOS	C		C	C	C	D	D	C	C	D	C	B
Approach Vol, veh/h		413			340			969			1572	
Approach Delay, s/veh		33.2			34.0			28.1			22.9	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	17.5	25.1		19.0	8.9	33.7		17.7
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	37.5	41.5		39.5	15.5	63.5		23.5
Max Q Clear Time (g_c+I1), s	12.4	13.7		12.7	5.3	15.9		12.1
Green Ext Time (p_c), s	0.7	6.9		1.7	0.1	11.9		1.1

Intersection Summary	
HCM 2010 Ctrl Delay	26.9
HCM 2010 LOS	C

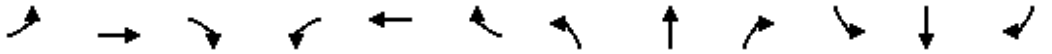
Intersection	
Int Delay, s/veh	5.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	57	0	232	3	4	1	218	347	0	0	198	108
Future Vol, veh/h	57	0	232	3	4	1	218	347	0	0	198	108
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	-	0	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	57	0	232	3	4	1	218	347	0	0	198	108

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1038	1035	252	1151	1089	347	306	0	0	347	0	0
Stage 1	252	252	-	783	783	-	-	-	-	-	-	-
Stage 2	786	783	-	368	306	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	209	232	787	175	215	696	1255	-	-	1212	-	-
Stage 1	752	698	-	387	404	-	-	-	-	-	-	-
Stage 2	385	404	-	652	662	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	178	192	787	107	178	696	1255	-	-	1212	-	-
Mov Cap-2 Maneuver	178	192	-	107	178	-	-	-	-	-	-	-
Stage 1	621	698	-	320	334	-	-	-	-	-	-	-
Stage 2	314	334	-	460	662	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	16	29.7	3.3	0
HCM LOS	C	D		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1255	-	-	178	787	154	1212	-	-
HCM Lane V/C Ratio	0.174	-	-	0.32	0.295	0.052	-	-	-
HCM Control Delay (s)	8.5	-	-	34.5	11.5	29.7	0	-	-
HCM Lane LOS	A	-	-	D	B	D	A	-	-
HCM 95th %tile Q(veh)	0.6	-	-	1.3	1.2	0.2	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	267	172	223	30	251	86	230	697	30	87	764	175
Future Volume (veh/h)	267	172	223	30	251	86	230	697	30	87	764	175
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	221	237	223	30	251	86	230	697	16	87	764	175
Adj No. of Lanes	1	2	0	0	2	0	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	400	420	357	50	427	153	313	1803	561	148	1329	771
Arrive On Green	0.23	0.23	0.23	0.16	0.18	0.16	0.18	0.35	0.35	0.08	0.26	0.26
Sat Flow, veh/h	1774	1863	1583	282	2414	863	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	221	237	223	197	0	170	230	697	16	87	764	175
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1849	0	1710	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	8.3	8.5	9.5	7.4	0.0	6.9	9.2	7.7	0.5	3.6	9.8	4.8
Cycle Q Clear(g_c), s	8.3	8.5	9.5	7.4	0.0	6.9	9.2	7.7	0.5	3.6	9.8	4.8
Prop In Lane	1.00		1.00	0.15		0.50	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	400	420	357	327	0	302	313	1803	561	148	1329	771
V/C Ratio(X)	0.55	0.56	0.62	0.60	0.00	0.56	0.73	0.39	0.03	0.59	0.57	0.23
Avail Cap(c_a), veh/h	944	992	843	959	0	888	968	4128	1285	496	2775	1221
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	25.7	25.8	26.2	28.6	0.0	28.6	29.3	18.1	15.8	33.2	24.1	11.1
Incr Delay (d2), s/veh	1.2	1.2	1.8	1.8	0.0	1.6	3.3	0.1	0.0	3.7	0.4	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.2	4.5	4.3	3.9	0.0	3.4	4.8	3.6	0.2	1.9	4.6	3.0
LnGrp Delay(d),s/veh	26.9	27.0	28.0	30.4	0.0	30.3	32.6	18.3	15.8	36.9	24.5	11.3
LnGrp LOS	C	C	C	C		C	C	B	B	D	C	B
Approach Vol, veh/h		681			367			943			1026	
Approach Delay, s/veh		27.3			30.3			21.7			23.3	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	9.3	29.6		19.9	16.3	22.6		16.3
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	19.5	59.5		38.5	39.5	39.5		37.5
Max Q Clear Time (g_c+I1), s	5.6	9.7		11.5	11.2	11.8		9.4
Green Ext Time (p_c), s	0.1	5.5		3.9	0.7	6.3		2.4

Intersection Summary	
HCM 2010 Ctrl Delay	24.6
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	10	249	48	312	436	462	38	401	383	331	337	32
Future Volume (veh/h)	10	249	48	312	436	462	38	401	383	331	337	32
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	10	249	48	312	436	462	38	401	0	331	337	32
Adj No. of Lanes	1	2	0	1	1	1	1	2	1	2	1	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	183	306	58	583	613	521	49	1175	526	392	701	67
Arrive On Green	0.10	0.10	0.10	0.33	0.33	0.33	0.03	0.33	0.00	0.11	0.42	0.42
Sat Flow, veh/h	1774	2969	564	1774	1863	1583	1774	3539	1583	3442	1676	159
Grp Volume(v), veh/h	10	147	150	312	436	462	38	401	0	331	0	369
Grp Sat Flow(s),veh/h/ln	1774	1770	1763	1774	1863	1583	1774	1770	1583	1721	0	1835
Q Serve(g_s), s	0.7	11.9	12.3	21.1	30.2	40.7	3.1	12.6	0.0	13.9	0.0	21.5
Cycle Q Clear(g_c), s	0.7	11.9	12.3	21.1	30.2	40.7	3.1	12.6	0.0	13.9	0.0	21.5
Prop In Lane	1.00		0.32	1.00		1.00	1.00		1.00	1.00		0.09
Lane Grp Cap(c), veh/h	183	182	182	583	613	521	49	1175	526	392	0	767
V/C Ratio(X)	0.05	0.81	0.83	0.53	0.71	0.89	0.78	0.34	0.00	0.85	0.00	0.48
Avail Cap(c_a), veh/h	247	247	246	766	804	684	139	1175	526	620	0	767
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	59.5	64.5	64.7	40.2	43.2	46.8	71.0	37.0	0.0	63.9	0.0	31.2
Incr Delay (d2), s/veh	0.1	13.0	15.4	0.8	2.0	11.0	22.4	0.8	0.0	6.2	0.0	2.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	6.5	6.8	10.4	15.8	19.4	1.8	6.3	0.0	7.0	0.0	11.3
LnGrp Delay(d),s/veh	59.6	77.6	80.1	41.0	45.3	57.8	93.5	37.8	0.0	70.1	0.0	33.3
LnGrp LOS	E	E	F	D	D	E	F	D		E		C
Approach Vol, veh/h		307			1210			439			700	
Approach Delay, s/veh		78.2			48.9			42.6			50.7	
Approach LOS		E			D			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	21.2	53.3		19.6	8.6	66.0		52.9
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	16.5	46.5		20.5	11.5	61.5		63.5
Max Q Clear Time (g_c+I1), s	15.9	14.6		14.3	5.1	23.5		42.7
Green Ext Time (p_c), s	0.9	2.9		0.9	0.0	2.5		5.7

Intersection Summary	
HCM 2010 Ctrl Delay	51.7
HCM 2010 LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	143	860	51	473	1104	134	45	62	218	295	211	170
Future Volume (veh/h)	143	860	51	473	1104	134	45	62	218	295	211	170
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	143	860	51	473	1104	0	45	62	-59	295	211	101
Adj No. of Lanes	2	3	0	2	3	1	1	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	259	1414	84	650	2042	636	81	85	72	620	336	285
Arrive On Green	0.08	0.29	0.29	0.19	0.40	0.00	0.05	0.05	0.00	0.18	0.18	0.18
Sat Flow, veh/h	3442	4911	290	3442	5085	1583	1774	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	143	593	318	473	1104	0	45	62	-59	295	211	101
Grp Sat Flow(s),veh/h/ln	1721	1695	1811	1721	1695	1583	1774	1863	1583	1721	1863	1583
Q Serve(g_s), s	2.4	9.1	9.2	7.8	10.0	0.0	1.5	2.0	0.0	4.7	6.3	3.4
Cycle Q Clear(g_c), s	2.4	9.1	9.2	7.8	10.0	0.0	1.5	2.0	0.0	4.7	6.3	3.4
Prop In Lane	1.00		0.16	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	259	976	521	650	2042	636	81	85	72	620	336	285
V/C Ratio(X)	0.55	0.61	0.61	0.73	0.54	0.00	0.55	0.73	-0.81	0.48	0.63	0.35
Avail Cap(c_a), veh/h	597	1820	973	1563	4158	1295	542	569	484	1620	877	745
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	27.0	18.6	18.6	23.1	13.8	0.0	28.3	28.5	0.0	22.3	22.9	21.7
Incr Delay (d2), s/veh	1.8	0.6	1.2	1.6	0.2	0.0	5.8	11.2	0.0	0.6	1.9	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.2	4.4	4.8	3.8	4.7	0.0	0.9	1.3	0.0	2.3	3.4	1.5
LnGrp Delay(d),s/veh	28.9	19.2	19.8	24.7	14.1	0.0	34.1	39.7	0.0	22.8	24.9	22.5
LnGrp LOS	C	B	B	C	B		C	D		C	C	C
Approach Vol, veh/h		1054			1577			48			607	
Approach Delay, s/veh		20.7			17.2			83.2			23.5	
Approach LOS		C			B			F			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		15.4	15.9	21.9		7.3	9.0	28.8
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		28.5	27.5	32.5		18.5	10.5	49.5
Max Q Clear Time (g_c+I1), s		8.3	9.8	11.2		4.0	4.4	12.0
Green Ext Time (p_c), s		2.6	1.6	6.2		0.3	0.2	10.0

Intersection Summary	
HCM 2010 Ctrl Delay	20.5
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	820	243	13	2	231	145	10	8	5	112	5	1023
Future Volume (veh/h)	820	243	13	2	231	145	10	8	5	112	5	1023
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1900	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	891	264	14	2	231	145	10	8	5	116	0	1023
Adj No. of Lanes	2	1	1	1	2	1	0	2	0	2	0	2
Peak Hour Factor	0.92	0.92	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	1183	1076	915	5	865	387	39	32	21	447	0	1487
Arrive On Green	0.34	0.58	0.58	0.00	0.24	0.24	0.03	0.03	0.03	0.13	0.00	0.13
Sat Flow, veh/h	3442	1863	1583	1774	3539	1583	1484	1241	787	3548	0	3167
Grp Volume(v), veh/h	891	264	14	2	231	145	12	0	11	116	0	1023
Grp Sat Flow(s),veh/h/ln	1721	1863	1583	1774	1770	1583	1789	0	1724	1774	0	1583
Q Serve(g_s), s	15.0	4.6	0.2	0.1	3.5	5.0	0.4	0.0	0.4	1.9	0.0	0.0
Cycle Q Clear(g_c), s	15.0	4.6	0.2	0.1	3.5	5.0	0.4	0.0	0.4	1.9	0.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	0.83		0.46	1.00		1.00
Lane Grp Cap(c), veh/h	1183	1076	915	5	865	387	47	0	45	447	0	1487
V/C Ratio(X)	0.75	0.25	0.02	0.41	0.27	0.37	0.26	0.00	0.24	0.26	0.00	0.69
Avail Cap(c_a), veh/h	1183	1076	915	136	865	387	492	0	474	894	0	1887
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	19.0	6.8	5.9	32.6	20.0	20.6	31.2	0.0	31.2	25.8	0.0	13.6
Incr Delay (d2), s/veh	4.5	0.5	0.0	47.9	0.8	2.8	2.9	0.0	2.8	0.3	0.0	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.8	2.5	0.1	0.1	1.8	2.5	0.3	0.0	0.2	1.0	0.0	7.3
LnGrp Delay(d),s/veh	23.5	7.3	5.9	80.5	20.7	23.3	34.1	0.0	34.0	26.2	0.0	14.3
LnGrp LOS	C	A	A	F	C	C	C		C	C		B
Approach Vol, veh/h		1169			378			23			1139	
Approach Delay, s/veh		19.6			22.0			34.1			15.5	
Approach LOS		B			C			C			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		6.2	4.7	42.3		12.2	27.0	20.0
Change Period (Y+Rc), s		4.5	4.5	* 4.5		4.0	4.5	4.0
Max Green Setting (Gmax), s		18.0	5.0	* 34		16.5	22.5	16.0
Max Q Clear Time (g_c+I1), s		2.4	2.1	6.6		3.9	17.0	7.0
Green Ext Time (p_c), s		0.0	0.0	1.6		4.3	1.9	1.3

Intersection Summary	
HCM 2010 Ctrl Delay	18.4
HCM 2010 LOS	B

Notes

User approved pedestrian interval to be less than phase max green.
User approved volume balancing among the lanes for turning movement.
* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

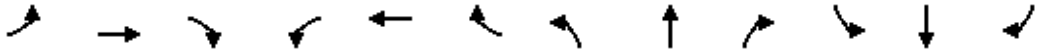
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	179	13	452	19	12	7	704	231	18	9	666	207
Future Volume (veh/h)	179	13	452	19	12	7	704	231	18	9	666	207
Number	3	8	18	7	4	14	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1900	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	210	0	60	19	12	7	704	231	18	9	666	207
Adj No. of Lanes	2	0	1	0	1	0	2	2	0	1	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	366	0	163	35	22	13	905	1751	135	21	971	435
Arrive On Green	0.10	0.00	0.10	0.04	0.04	0.04	0.26	0.53	0.53	0.01	0.27	0.27
Sat Flow, veh/h	3548	0	1583	881	556	324	3442	3329	258	1774	3539	1583
Grp Volume(v), veh/h	210	0	60	38	0	0	704	122	127	9	666	207
Grp Sat Flow(s),veh/h/ln	1774	0	1583	1761	0	0	1721	1770	1817	1774	1770	1583
Q Serve(g_s), s	3.2	0.0	2.0	1.2	0.0	0.0	10.7	2.0	2.0	0.3	9.5	6.1
Cycle Q Clear(g_c), s	3.2	0.0	2.0	1.2	0.0	0.0	10.7	2.0	2.0	0.3	9.5	6.1
Prop In Lane	1.00		1.00	0.50		0.18	1.00		0.14	1.00		1.00
Lane Grp Cap(c), veh/h	366	0	163	70	0	0	905	931	956	21	971	435
V/C Ratio(X)	0.57	0.00	0.37	0.54	0.00	0.00	0.78	0.13	0.13	0.44	0.69	0.48
Avail Cap(c_a), veh/h	1133	0	506	563	0	0	1435	1287	1322	157	1413	632
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.1	0.0	23.6	26.6	0.0	0.0	19.2	6.8	6.8	27.7	18.3	17.1
Incr Delay (d2), s/veh	1.4	0.0	1.4	6.4	0.0	0.0	1.5	0.1	0.1	13.7	0.9	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	0.0	0.9	0.7	0.0	0.0	5.3	1.0	1.0	0.2	4.7	2.7
LnGrp Delay(d),s/veh	25.5	0.0	24.9	32.9	0.0	0.0	20.7	6.9	6.9	41.4	19.1	17.9
LnGrp LOS	C		C	C			C	A	A	D	B	B
Approach Vol, veh/h		270			38			953			882	
Approach Delay, s/veh		25.4			32.9			17.1			19.1	
Approach LOS		C			C			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	5.2	34.1		6.7	19.3	20.0		10.3
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	5.0	41.0		18.0	23.5	22.5		18.0
Max Q Clear Time (g_c+I1), s	2.3	4.0		3.2	12.7	11.5		5.2
Green Ext Time (p_c), s	0.0	1.5		0.1	2.1	4.0		0.7

Intersection Summary	
HCM 2010 Ctrl Delay	19.2
HCM 2010 LOS	B

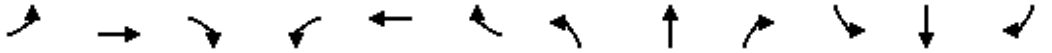
Notes

User approved volume balancing among the lanes for turning movement.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	17	117	34	118	80	64	2	928	140	109	770	34
Future Volume (vph)	17	117	34	118	80	64	2	928	140	109	770	34
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		3.0	3.0		3.0	3.0		3.0	3.0		3.0	
Lane Util. Factor		1.00	1.00		1.00	1.00		0.95	1.00		0.95	
Frt		1.00	0.85		1.00	0.85		1.00	0.85		0.99	
Flt Protected		0.99	1.00		0.97	1.00		1.00	1.00		0.99	
Satd. Flow (prot)		1851	1583		1809	1583		3539	1583		3499	
Flt Permitted		0.96	1.00		0.74	1.00		0.95	1.00		0.71	
Satd. Flow (perm)		1781	1583		1373	1583		3376	1583		2504	
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	17	117	34	118	80	64	2	928	140	109	770	34
RTOR Reduction (vph)	0	0	24	0	0	46	0	0	50	0	3	0
Lane Group Flow (vph)	0	134	10	0	198	18	0	930	90	0	910	0
Turn Type	Perm	NA	Perm	Perm	NA	Perm	Perm	NA	Perm	Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4		4	8		8	2		2	6		
Actuated Green, G (s)		24.5	24.5		24.5	24.5		56.5	56.5		56.5	
Effective Green, g (s)		26.0	26.0		26.0	26.0		58.0	58.0		58.0	
Actuated g/C Ratio		0.29	0.29		0.29	0.29		0.64	0.64		0.64	
Clearance Time (s)		4.5	4.5		4.5	4.5		4.5	4.5		4.5	
Lane Grp Cap (vph)		514	457		396	457		2175	1020		1613	
v/s Ratio Prot												
v/s Ratio Perm		0.08	0.01		c0.14	0.01		0.28	0.06		c0.36	
v/c Ratio		0.26	0.02		0.50	0.04		0.43	0.09		0.56	
Uniform Delay, d1		24.6	22.9		26.6	23.0		7.9	6.0		8.9	
Progression Factor		1.00	1.00		1.00	1.00		1.00	1.00		1.00	
Incremental Delay, d2		1.2	0.1		4.5	0.2		0.6	0.2		1.4	
Delay (s)		25.8	23.0		31.1	23.2		8.5	6.2		10.4	
Level of Service		C	C		C	C		A	A		B	
Approach Delay (s)		25.3			29.1			8.2			10.4	
Approach LOS		C			C			A			B	

Intersection Summary			
HCM 2000 Control Delay	12.5	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.54		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	6.0
Intersection Capacity Utilization	78.7%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	870	604	514	709	0	0	0	0	198	1	921
Future Volume (vph)	0	870	604	514	709	0	0	0	0	198	1	921
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.5	4.5	4.5	4.5						4.5	4.5
Lane Util. Factor		0.86	0.86	0.97	0.95						1.00	0.76
Frt		0.96	0.85	1.00	1.00						1.00	0.85
Flt Protected		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (prot)		4637	1362	3433	3539						1774	3610
Flt Permitted		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (perm)		4637	1362	3433	3539						1774	3610
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	0	870	604	514	709	0	0	0	0	198	1	921
RTOR Reduction (vph)	0	61	220	0	0	0	0	0	0	0	0	39
Lane Group Flow (vph)	0	1075	118	514	709	0	0	0	0	0	199	882
Turn Type		NA	Perm	Prot	NA					Split	NA	custom
Protected Phases		2		3	8					6	6	2 6
Permitted Phases			2									
Actuated Green, G (s)		31.5	31.5	26.5	26.5						18.5	54.5
Effective Green, g (s)		31.5	31.5	26.5	26.5						18.5	54.5
Actuated g/C Ratio		0.35	0.35	0.29	0.29						0.21	0.61
Clearance Time (s)		4.5	4.5	4.5	4.5						4.5	
Vehicle Extension (s)		3.0	3.0	3.0	3.0						3.0	
Lane Grp Cap (vph)		1622	476	1010	1042						364	2186
v/s Ratio Prot		c0.23		0.15	c0.20						c0.11	0.24
v/s Ratio Perm			0.09									
v/c Ratio		0.66	0.25	0.51	0.68						0.55	0.40
Uniform Delay, d1		24.8	20.8	26.3	28.0						32.0	9.3
Progression Factor		1.00	1.00	1.00	1.00						1.00	1.00
Incremental Delay, d2		1.0	0.3	0.4	3.6						5.8	0.1
Delay (s)		25.8	21.1	26.8	31.6						37.8	9.4
Level of Service		C	C	C	C						D	A
Approach Delay (s)		24.7			29.6			0.0			14.4	
Approach LOS		C			C			A			B	

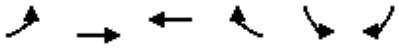
Intersection Summary					
HCM 2000 Control Delay	23.3	HCM 2000 Level of Service	C		
HCM 2000 Volume to Capacity ratio	0.64				
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	13.5		
Intersection Capacity Utilization	61.9%	ICU Level of Service	B		
Analysis Period (min)	15				

c Critical Lane Group

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	1115	743	0	205	980	69
Future Volume (veh/h)	1115	743	0	205	980	69
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	1863	1863	1863
Adj Flow Rate, veh/h	1115	0	0	205	980	36
Adj No. of Lanes	2	1	0	2	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	0	2	2	2
Cap, veh/h	1677	750	0	1677	1364	627
Arrive On Green	0.47	0.00	0.00	0.47	0.40	0.40
Sat Flow, veh/h	3632	1583	0	3725	3442	1583
Grp Volume(v), veh/h	1115	0	0	205	980	36
Grp Sat Flow(s),veh/h/ln	1770	1583	0	1770	1721	1583
Q Serve(g_s), s	11.2	0.0	0.0	1.5	11.1	0.6
Cycle Q Clear(g_c), s	11.2	0.0	0.0	1.5	11.1	0.6
Prop In Lane		1.00	0.00		1.00	1.00
Lane Grp Cap(c), veh/h	1677	750	0	1677	1364	627
V/C Ratio(X)	0.66	0.00	0.00	0.12	0.72	0.06
Avail Cap(c_a), veh/h	2301	1029	0	2301	2163	995
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	9.3	0.0	0.0	6.8	11.8	8.6
Incr Delay (d2), s/veh	0.5	0.0	0.0	0.0	0.7	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.5	0.0	0.0	0.7	5.3	0.3
LnGrp Delay(d),s/veh	9.8	0.0	0.0	6.8	12.5	8.6
LnGrp LOS	A			A	B	A
Approach Vol, veh/h	1115			205	1016	
Approach Delay, s/veh	9.8			6.8	12.3	
Approach LOS	A			A	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		21.3		24.9				24.9
Change Period (Y+Rc), s		4.5		4.5				4.5
Max Green Setting (Gmax), s		27.5		28.5				28.5
Max Q Clear Time (g_c+I1), s		13.1		13.2				3.5
Green Ext Time (p_c), s		3.7		7.2				1.3

Intersection Summary	
HCM 2010 Ctrl Delay	10.6
HCM 2010 LOS	B



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	1254	1173	49	677	1042
Future Volume (veh/h)	0	1254	1173	49	677	1042
Number	7	4	8	18	1	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	0	1254	1173	0	568	1143
Adj No. of Lanes	0	3	3	0	1	2
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	0	2	2	2	2	2
Cap, veh/h	0	2095	2095	0	875	1561
Arrive On Green	0.00	0.41	0.41	0.00	0.49	0.49
Sat Flow, veh/h	0	5421	5421	0	1774	3167
Grp Volume(v), veh/h	0	1254	1173	0	568	1143
Grp Sat Flow(s),veh/h/ln	0	1695	1695	0	1774	1583
Q Serve(g_s), s	0.0	12.2	11.1	0.0	15.1	18.1
Cycle Q Clear(g_c), s	0.0	12.2	11.1	0.0	15.1	18.1
Prop In Lane	0.00			0.00	1.00	1.00
Lane Grp Cap(c), veh/h	0	2095	2095	0	875	1561
V/C Ratio(X)	0.00	0.60	0.56	0.00	0.65	0.73
Avail Cap(c_a), veh/h	0	3301	3301	0	1910	3409
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	14.5	14.2	0.0	11.9	12.7
Incr Delay (d2), s/veh	0.0	0.3	0.2	0.0	0.8	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	5.7	5.3	0.0	7.5	7.9
LnGrp Delay(d),s/veh	0.0	14.8	14.4	0.0	12.8	13.4
LnGrp LOS		B	B		B	B
Approach Vol, veh/h		1254	1173		1711	
Approach Delay, s/veh		14.8	14.4		13.2	
Approach LOS		B	B		B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs				4		6		8
Phs Duration (G+Y+Rc), s				29.0		34.1		29.0
Change Period (Y+Rc), s				4.5		4.5		4.5
Max Green Setting (Gmax), s				39.5		66.5		39.5
Max Q Clear Time (g_c+I1), s				14.2		20.1		13.1
Green Ext Time (p_c), s				10.4		9.6		9.7

Intersection Summary	
HCM 2010 Ctrl Delay	14.0
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	556	1423	352	414	975	662	180	173	282	245	47	141
Future Volume (veh/h)	556	1423	352	414	975	662	180	173	282	245	47	141
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	556	1423	191	414	975	411	180	173	68	245	47	114
Adj No. of Lanes	1	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	583	1967	612	923	1660	517	353	191	587	410	222	189
Arrive On Green	0.33	0.39	0.39	0.27	0.33	0.33	0.10	0.10	0.10	0.12	0.12	0.12
Sat Flow, veh/h	1774	5085	1583	3442	5085	1583	3442	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	556	1423	191	414	975	411	180	173	68	245	47	114
Grp Sat Flow(s),veh/h/ln	1774	1695	1583	1721	1695	1583	1721	1863	1583	1721	1863	1583
Q Serve(g_s), s	29.8	23.2	8.2	9.7	15.6	23.0	4.8	8.9	0.0	6.6	2.2	6.7
Cycle Q Clear(g_c), s	29.8	23.2	8.2	9.7	15.6	23.0	4.8	8.9	0.0	6.6	2.2	6.7
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	583	1967	612	923	1660	517	353	191	587	410	222	189
V/C Ratio(X)	0.95	0.72	0.31	0.45	0.59	0.80	0.51	0.90	0.12	0.60	0.21	0.60
Avail Cap(c_a), veh/h	583	2392	745	923	1854	577	353	191	587	1078	583	496
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	32.0	25.4	20.8	29.6	27.3	29.8	41.4	43.2	20.1	40.7	38.8	40.7
Incr Delay (d2), s/veh	26.1	0.9	0.3	0.3	0.4	6.9	1.2	39.4	0.1	1.4	0.5	3.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	18.8	11.0	3.6	4.6	7.3	11.0	2.4	6.7	1.2	3.2	1.2	3.1
LnGrp Delay(d),s/veh	58.1	26.3	21.1	30.0	27.7	36.7	42.6	82.7	20.2	42.1	39.2	43.8
LnGrp LOS	E	C	C	C	C	D	D	F	C	D	D	D
Approach Vol, veh/h		2170			1800			421			406	
Approach Delay, s/veh		34.0			30.3			55.4			42.2	
Approach LOS		C			C			E			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		14.6	29.1	40.7		13.0	35.0	34.8
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		29.0	20.2	44.3		8.5	30.5	34.0
Max Q Clear Time (g_c+I1), s		8.7	11.7	25.2		10.9	31.8	25.0
Green Ext Time (p_c), s		1.4	1.0	11.0		0.0	0.0	5.3

Intersection Summary	
HCM 2010 Ctrl Delay	35.2
HCM 2010 LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	115	663	45	443	313	892	31	454	821	913	806	40
Future Volume (veh/h)	115	663	45	443	313	892	31	454	821	913	806	40
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.89	1.00		0.90	1.00		0.96	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	115	663	45	443	313	808	31	454	777	913	806	40
Adj No. of Lanes	1	2	0	3	2	1	1	3	1	2	3	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	232	959	65	804	1123	766	42	1214	619	677	2041	101
Arrive On Green	0.13	0.29	0.29	0.16	0.32	0.32	0.02	0.24	0.24	0.20	0.41	0.41
Sat Flow, veh/h	1774	3335	226	5003	3539	1432	1774	5085	1527	3442	4957	245
Grp Volume(v), veh/h	115	351	357	443	313	808	31	454	777	913	550	296
Grp Sat Flow(s),veh/h/ln	1774	1770	1792	1668	1770	1432	1774	1695	1527	1721	1695	1812
Q Serve(g_s), s	9.3	27.4	27.4	12.6	10.3	49.2	2.7	11.6	37.0	30.5	17.7	17.8
Cycle Q Clear(g_c), s	9.3	27.4	27.4	12.6	10.3	49.2	2.7	11.6	37.0	30.5	17.7	17.8
Prop In Lane	1.00		0.13	1.00		1.00	1.00		1.00	1.00		0.14
Lane Grp Cap(c), veh/h	232	509	515	804	1123	766	42	1214	619	677	1396	746
V/C Ratio(X)	0.49	0.69	0.69	0.55	0.28	1.05	0.74	0.37	1.26	1.35	0.39	0.40
Avail Cap(c_a), veh/h	232	509	515	888	1123	766	80	1214	619	677	1396	746
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.80	0.80	0.80	0.74	0.74	0.74	1.00	1.00	1.00
Uniform Delay (d), s/veh	62.6	49.1	49.1	59.9	39.6	38.6	75.2	49.3	46.8	62.2	32.0	32.0
Incr Delay (d2), s/veh	1.6	7.5	7.5	0.5	0.5	44.7	16.6	0.7	124.6	166.4	0.8	1.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.7	14.4	14.6	5.9	5.1	42.1	1.5	5.5	47.9	30.1	8.4	9.2
LnGrp Delay(d),s/veh	64.2	56.6	56.6	60.4	40.1	83.3	91.8	50.0	171.4	228.6	32.9	33.6
LnGrp LOS	E	E	E	E	D	F	F	D	F	F	C	C
Approach Vol, veh/h		823			1564			1262			1759	
Approach Delay, s/veh		57.6			68.1			125.8			134.6	
Approach LOS		E			E			F			F	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	35.0	41.5	29.4	49.1	8.2	68.3	24.8	53.7
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	30.5	37.0	27.5	42.0	7.0	60.5	20.3	49.2
Max Q Clear Time (g_c+I1), s	32.5	39.0	14.6	29.4	4.7	19.8	11.3	51.2
Green Ext Time (p_c), s	0.0	0.0	1.4	3.6	0.0	6.6	0.2	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	101.6
HCM 2010 LOS	F

Notes

User approved changes to right turn type.

Intersection	
Int Delay, s/veh	5.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	93	4	256	5	6	1	72	196	7	2	129	87
Future Vol, veh/h	93	4	256	5	6	1	72	196	7	2	129	87
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	-	-	-	50	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	93	4	256	5	6	1	72	196	7	2	129	87

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	524	524	173	651	564	200	216	0	0	203	0	0
Stage 1	177	177	-	344	344	-	-	-	-	-	-	-
Stage 2	347	347	-	307	220	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	464	458	871	382	435	841	1354	-	-	1369	-	-
Stage 1	825	753	-	671	637	-	-	-	-	-	-	-
Stage 2	669	635	-	703	721	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	439	433	871	257	411	841	1354	-	-	1369	-	-
Mov Cap-2 Maneuver	439	433	-	257	411	-	-	-	-	-	-	-
Stage 1	781	751	-	635	603	-	-	-	-	-	-	-
Stage 2	626	601	-	493	720	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	12.2	16	2	0.1
HCM LOS	B	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1354	-	-	439	858	340	1369	-	-
HCM Lane V/C Ratio	0.053	-	-	0.212	0.303	0.035	0.001	-	-
HCM Control Delay (s)	7.8	-	-	15.4	11	16	7.6	0	-
HCM Lane LOS	A	-	-	C	B	C	A	A	-
HCM 95th %tile Q(veh)	0.2	-	-	0.8	1.3	0.1	0	-	-

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	292	128	47	21	73	151	42	864	36	239	926	339
Future Volume (veh/h)	292	128	47	21	73	151	42	864	36	239	926	339
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	292	128	47	21	73	151	42	864	36	239	926	339
Adj No. of Lanes	1	1	0	0	2	1	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	368	270	99	97	358	200	68	1370	427	291	2010	626
Arrive On Green	0.21	0.21	0.21	0.13	0.13	0.13	0.04	0.27	0.27	0.16	0.40	0.40
Sat Flow, veh/h	1774	1301	478	763	2831	1583	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	292	0	175	50	44	151	42	864	36	239	926	339
Grp Sat Flow(s),veh/h/ln	1774	0	1778	1825	1770	1583	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	12.1	0.0	6.7	1.9	1.7	7.1	1.8	11.6	1.3	10.1	10.4	12.8
Cycle Q Clear(g_c), s	12.1	0.0	6.7	1.9	1.7	7.1	1.8	11.6	1.3	10.1	10.4	12.8
Prop In Lane	1.00		0.27	0.42		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	368	0	369	231	224	200	68	1370	427	291	2010	626
V/C Ratio(X)	0.79	0.00	0.47	0.22	0.20	0.75	0.62	0.63	0.08	0.82	0.46	0.54
Avail Cap(c_a), veh/h	1156	0	1158	482	468	419	263	3116	970	972	5149	1603
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	29.1	0.0	27.0	30.4	30.3	32.7	36.7	24.9	21.2	31.3	17.3	18.0
Incr Delay (d2), s/veh	3.9	0.0	0.9	0.5	0.4	5.6	8.7	0.5	0.1	5.7	0.2	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.3	0.0	3.4	1.0	0.9	3.4	1.1	5.5	0.6	5.4	4.9	5.7
LnGrp Delay(d),s/veh	33.0	0.0	27.9	30.9	30.7	38.3	45.5	25.4	21.3	37.0	17.5	18.8
LnGrp LOS	C		C	C	C	D	D	C	C	D	B	B
Approach Vol, veh/h		467			245			942			1504	
Approach Delay, s/veh		31.1			35.4			26.1			20.9	
Approach LOS		C			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	17.2	25.4		20.6	7.5	35.1		14.3
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	42.5	47.5		50.5	11.5	78.5		20.5
Max Q Clear Time (g_c+I1), s	12.1	13.6		14.1	3.8	14.8		9.1
Green Ext Time (p_c), s	0.7	7.3		2.0	0.0	10.4		0.7

Intersection Summary	
HCM 2010 Ctrl Delay	25.1
HCM 2010 LOS	C

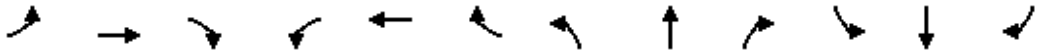
Intersection	
Int Delay, s/veh	6.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	70	1	304	2	2	0	125	205	2	1	298	92
Future Vol, veh/h	70	1	304	2	2	0	125	205	2	1	298	92
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	-	0	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	70	1	304	2	2	0	125	205	2	1	298	92

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	803	803	344	955	848	206	390	0	0	207	0	0
Stage 1	346	346	-	456	456	-	-	-	-	-	-	-
Stage 2	457	457	-	499	392	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	302	317	699	238	298	835	1169	-	-	1364	-	-
Stage 1	670	635	-	584	568	-	-	-	-	-	-	-
Stage 2	583	568	-	554	606	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	275	283	699	123	266	835	1169	-	-	1364	-	-
Mov Cap-2 Maneuver	275	283	-	123	266	-	-	-	-	-	-	-
Stage 1	598	634	-	522	507	-	-	-	-	-	-	-
Stage 2	519	507	-	312	605	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	15.7	27	3.2	0
HCM LOS	C	D		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1169	-	-	275	699	168	1364	-	-
HCM Lane V/C Ratio	0.107	-	-	0.258	0.435	0.024	0.001	-	-
HCM Control Delay (s)	8.4	-	-	22.6	14.1	27	7.6	0	-
HCM Lane LOS	A	-	-	C	B	D	A	A	-
HCM 95th %tile Q(veh)	0.4	-	-	1	2.2	0.1	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	220	196	222	23	166	33	263	543	64	115	650	218
Future Volume (veh/h)	220	196	222	23	166	33	263	543	64	115	650	218
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	213	206	222	23	166	33	263	543	64	115	650	218
Adj No. of Lanes	1	2	0	0	2	0	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	418	439	373	48	356	74	360	1734	540	189	1244	687
Arrive On Green	0.24	0.24	0.24	0.11	0.13	0.11	0.20	0.34	0.34	0.11	0.24	0.22
Sat Flow, veh/h	1774	1863	1583	362	2692	556	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	213	206	222	117	0	105	263	543	64	115	650	218
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1845	0	1765	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	6.8	6.2	8.1	3.8	0.0	3.6	9.0	5.1	1.8	4.0	7.2	5.9
Cycle Q Clear(g_c), s	6.8	6.2	8.1	3.8	0.0	3.6	9.0	5.1	1.8	4.0	7.2	5.9
Prop In Lane	1.00		1.00	0.20		0.32	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	418	439	373	244	0	234	360	1734	540	189	1244	687
V/C Ratio(X)	0.51	0.47	0.60	0.48	0.00	0.45	0.73	0.31	0.12	0.61	0.52	0.32
Avail Cap(c_a), veh/h	1173	1231	1046	1134	0	1085	1227	4612	1436	518	2579	1103
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	21.6	21.4	22.1	26.3	0.0	26.3	24.3	15.8	14.7	27.8	21.3	12.1
Incr Delay (d2), s/veh	1.0	0.8	1.5	1.5	0.0	1.3	2.9	0.1	0.1	3.1	0.3	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.4	3.2	3.7	2.1	0.0	1.8	4.7	2.4	0.8	2.1	3.4	3.6
LnGrp Delay(d),s/veh	22.6	22.2	23.6	27.8	0.0	27.6	27.1	15.9	14.8	30.9	21.6	12.3
LnGrp LOS	C	C	C	C		C	C	B	B	C	C	B
Approach Vol, veh/h		641			222			870			983	
Approach Delay, s/veh		22.8			27.7			19.2			20.6	
Approach LOS		C			C			B			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	9.9	25.2		18.3	16.2	18.9		11.6
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	17.5	57.5		41.5	43.5	31.5		38.5
Max Q Clear Time (g_c+I1), s	6.0	7.1		10.1	11.0	9.2		5.8
Green Ext Time (p_c), s	0.2	4.3		3.7	0.8	5.2		1.4

Intersection Summary	
HCM 2010 Ctrl Delay	21.3
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	5	424	46	270	383	362	51	306	556	376	396	37
Future Volume (veh/h)	5	424	46	270	383	362	51	306	556	376	396	37
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	5	424	46	270	383	362	51	306	0	376	396	37
Adj No. of Lanes	1	2	0	1	1	1	1	2	1	2	1	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	275	500	54	441	463	393	66	1175	525	444	711	66
Arrive On Green	0.16	0.16	0.16	0.25	0.25	0.25	0.04	0.33	0.00	0.13	0.42	0.42
Sat Flow, veh/h	1774	3223	348	1774	1863	1583	1774	3539	1583	3442	1678	157
Grp Volume(v), veh/h	5	232	238	270	383	362	51	306	0	376	0	433
Grp Sat Flow(s),veh/h/ln	1774	1770	1801	1774	1863	1583	1774	1770	1583	1721	0	1835
Q Serve(g_s), s	0.3	16.9	17.1	17.9	25.8	29.6	3.8	8.4	0.0	14.2	0.0	23.6
Cycle Q Clear(g_c), s	0.3	16.9	17.1	17.9	25.8	29.6	3.8	8.4	0.0	14.2	0.0	23.6
Prop In Lane	1.00		0.19	1.00		1.00	1.00		1.00	1.00		0.09
Lane Grp Cap(c), veh/h	275	275	280	441	463	393	66	1175	525	444	0	778
V/C Ratio(X)	0.02	0.84	0.85	0.61	0.83	0.92	0.78	0.26	0.00	0.85	0.00	0.56
Avail Cap(c_a), veh/h	343	342	349	461	484	411	127	1175	525	661	0	778
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	47.5	54.5	54.6	44.3	47.2	48.6	63.4	32.5	0.0	56.6	0.0	28.9
Incr Delay (d2), s/veh	0.0	14.5	15.1	2.2	11.0	25.3	17.4	0.1	0.0	6.6	0.0	2.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	9.4	9.7	9.0	14.7	15.7	2.2	4.1	0.0	7.1	0.0	12.5
LnGrp Delay(d),s/veh	47.6	69.0	69.8	46.5	58.3	73.9	80.8	32.6	0.0	63.2	0.0	31.7
LnGrp LOS	D	E	E	D	E	E	F	C		E		C
Approach Vol, veh/h		475			1015			357			809	
Approach Delay, s/veh		69.2			60.7			39.5			46.3	
Approach LOS		E			E			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	21.6	48.6		25.1	9.4	60.8		37.5
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	25.5	40.3		25.7	9.5	56.3		34.5
Max Q Clear Time (g_c+I1), s	16.2	10.4		19.1	5.8	25.6		31.6
Green Ext Time (p_c), s	0.9	2.1		1.5	0.0	3.0		1.4

Intersection Summary	
HCM 2010 Ctrl Delay	55.0
HCM 2010 LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	220	1212	46	349	872	332	137	200	471	138	108	111
Future Volume (veh/h)	220	1212	46	349	872	332	137	200	471	138	108	111
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	220	1212	46	349	872	0	137	200	194	138	108	42
Adj No. of Lanes	2	3	0	2	3	1	1	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	324	1840	70	451	2049	638	298	313	266	330	179	152
Arrive On Green	0.09	0.37	0.37	0.13	0.40	0.00	0.17	0.17	0.17	0.10	0.10	0.10
Sat Flow, veh/h	3442	5028	191	3442	5085	1583	1774	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	220	817	441	349	872	0	137	200	194	138	108	42
Grp Sat Flow(s),veh/h/ln	1721	1695	1829	1721	1695	1583	1774	1863	1583	1721	1863	1583
Q Serve(g_s), s	4.7	15.2	15.2	7.4	9.3	0.0	5.2	7.5	8.7	2.8	4.2	1.9
Cycle Q Clear(g_c), s	4.7	15.2	15.2	7.4	9.3	0.0	5.2	7.5	8.7	2.8	4.2	1.9
Prop In Lane	1.00		0.10	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	324	1240	669	451	2049	638	298	313	266	330	179	152
V/C Ratio(X)	0.68	0.66	0.66	0.77	0.43	0.00	0.46	0.64	0.73	0.42	0.60	0.28
Avail Cap(c_a), veh/h	754	2093	1129	617	2937	915	577	606	515	1028	557	473
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	33.0	19.9	19.9	31.6	16.2	0.0	28.2	29.2	29.7	32.1	32.7	31.6
Incr Delay (d2), s/veh	2.5	0.6	1.1	4.2	0.1	0.0	1.1	2.2	3.8	0.8	3.3	1.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.3	7.1	7.8	3.8	4.4	0.0	2.6	4.1	4.1	1.4	2.3	0.8
LnGrp Delay(d),s/veh	35.5	20.5	21.1	35.8	16.3	0.0	29.3	31.4	33.5	32.9	35.9	32.6
LnGrp LOS	D	C	C	D	B		C	C	C	C	D	C
Approach Vol, veh/h		1478			1221			531			288	
Approach Delay, s/veh		22.9			21.9			31.6			34.0	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		11.7	14.4	32.1		17.2	11.6	34.8
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		22.5	13.5	46.5		24.5	16.5	43.5
Max Q Clear Time (g_c+I1), s		6.2	9.4	17.2		10.7	6.7	11.3
Green Ext Time (p_c), s		1.0	0.5	10.4		1.9	0.5	7.2

Intersection Summary	
HCM 2010 Ctrl Delay	24.8
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	1267	527	22	3	95	94	13	15	11	236	14	761
Future Volume (veh/h)	1267	527	22	3	95	94	13	15	11	236	14	761
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1900	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	1377	573	24	3	95	94	13	15	11	246	0	761
Adj No. of Lanes	2	1	1	1	2	1	0	2	0	2	0	2
Peak Hour Factor	0.92	0.92	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	1519	997	848	7	347	155	45	53	39	517	0	1859
Arrive On Green	0.44	0.54	0.54	0.00	0.10	0.10	0.04	0.04	0.04	0.15	0.00	0.15
Sat Flow, veh/h	3442	1863	1583	1774	3539	1583	1146	1344	1001	3548	0	3167
Grp Volume(v), veh/h	1377	573	24	3	95	94	20	0	19	246	0	761
Grp Sat Flow(s),veh/h/ln	1721	1863	1583	1774	1770	1583	1805	0	1686	1774	0	1583
Q Serve(g_s), s	23.7	13.1	0.5	0.1	1.6	3.6	0.7	0.0	0.7	4.0	0.0	0.0
Cycle Q Clear(g_c), s	23.7	13.1	0.5	0.1	1.6	3.6	0.7	0.0	0.7	4.0	0.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	0.63		0.59	1.00		1.00
Lane Grp Cap(c), veh/h	1519	997	848	7	347	155	71	0	66	517	0	1859
V/C Ratio(X)	0.91	0.57	0.03	0.42	0.27	0.60	0.29	0.00	0.28	0.48	0.00	0.41
Avail Cap(c_a), veh/h	1519	997	848	140	1003	449	512	0	478	894	0	2195
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	16.5	9.9	7.0	31.5	26.5	27.5	29.6	0.0	29.6	24.9	0.0	7.1
Incr Delay (d2), s/veh	9.4	2.4	0.1	34.1	0.4	3.7	2.2	0.0	2.3	0.7	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	13.1	7.4	0.2	0.1	0.8	1.7	0.4	0.0	0.4	2.0	0.0	3.5
LnGrp Delay(d),s/veh	25.9	12.3	7.0	65.7	27.0	31.2	31.9	0.0	31.9	25.6	0.0	7.3
LnGrp LOS	C	B	A	E	C	C	C		C	C		A
Approach Vol, veh/h		1974			192			39			1007	
Approach Delay, s/veh		21.7			29.6			31.9			11.7	
Approach LOS		C			C			C			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		7.0	4.8	38.5		13.3	32.5	10.7
Change Period (Y+Rc), s		4.5	4.5	* 4.5		4.0	4.5	4.5
Max Green Setting (Gmax), s		18.0	5.0	* 34		16.0	20.5	18.0
Max Q Clear Time (g_c+I1), s		2.7	2.1	15.1		6.0	25.7	5.6
Green Ext Time (p_c), s		0.1	0.0	3.8		3.2	0.0	0.6

Intersection Summary	
HCM 2010 Ctrl Delay	19.2
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

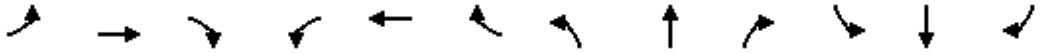
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	419	10	473	5	6	5	1026	324	11	14	531	76
Future Volume (veh/h)	419	10	473	5	6	5	1026	324	11	14	531	76
Number	3	8	18	7	4	14	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1900	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	495	0	157	5	6	5	1026	324	11	14	531	76
Adj No. of Lanes	2	0	1	0	1	0	2	2	0	1	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	661	0	295	10	12	10	1211	1877	64	30	717	321
Arrive On Green	0.19	0.00	0.19	0.02	0.02	0.02	0.35	0.54	0.54	0.02	0.20	0.20
Sat Flow, veh/h	3548	0	1583	544	652	544	3442	3493	118	1774	3539	1583
Grp Volume(v), veh/h	495	0	157	16	0	0	1026	164	171	14	531	76
Grp Sat Flow(s),veh/h/ln	1774	0	1583	1740	0	0	1721	1770	1842	1774	1770	1583
Q Serve(g_s), s	9.9	0.0	6.7	0.7	0.0	0.0	20.6	3.5	3.6	0.6	10.5	3.0
Cycle Q Clear(g_c), s	9.9	0.0	6.7	0.7	0.0	0.0	20.6	3.5	3.6	0.6	10.5	3.0
Prop In Lane	1.00		1.00	0.31		0.31	1.00		0.06	1.00		1.00
Lane Grp Cap(c), veh/h	661	0	295	33	0	0	1211	951	990	30	717	321
V/C Ratio(X)	0.75	0.00	0.53	0.49	0.00	0.00	0.85	0.17	0.17	0.47	0.74	0.24
Avail Cap(c_a), veh/h	1208	0	539	418	0	0	1678	1265	1316	118	1040	465
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	28.8	0.0	27.5	36.4	0.0	0.0	22.4	8.8	8.8	36.5	28.0	25.0
Incr Delay (d2), s/veh	1.7	0.0	1.5	10.7	0.0	0.0	3.1	0.1	0.1	10.9	1.6	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.0	0.0	3.0	0.4	0.0	0.0	10.2	1.8	1.8	0.4	5.3	1.3
LnGrp Delay(d),s/veh	30.5	0.0	29.0	47.1	0.0	0.0	25.5	8.9	8.9	47.4	29.7	25.4
LnGrp LOS	C		C	D			C	A	A	D	C	C
Approach Vol, veh/h		652			16			1361			621	
Approach Delay, s/veh		30.2			47.1			21.4			29.5	
Approach LOS		C			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	5.8	44.7		5.9	30.8	19.7		18.5
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	5.0	53.5		18.0	36.5	22.0		25.5
Max Q Clear Time (g_c+I1), s	2.6	5.6		2.7	22.6	12.5		11.9
Green Ext Time (p_c), s	0.0	2.1		0.0	3.7	2.6		2.1

Intersection Summary	
HCM 2010 Ctrl Delay	25.6
HCM 2010 LOS	C

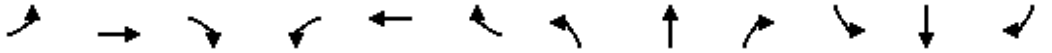
Notes

User approved volume balancing among the lanes for turning movement.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	25	163	64	155	91	67	0	891	163	115	856	23
Future Volume (vph)	25	163	64	155	91	67	0	891	163	115	856	23
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		3.0	3.0		3.0	3.0		3.0	3.0		3.0	
Lane Util. Factor		1.00	1.00		1.00	1.00		0.95	1.00		0.95	
Frt		1.00	0.85		1.00	0.85		1.00	0.85		1.00	
Flt Protected		0.99	1.00		0.97	1.00		1.00	1.00		0.99	
Satd. Flow (prot)		1850	1583		1806	1583		3539	1583		3507	
Flt Permitted		0.94	1.00		0.59	1.00		1.00	1.00		0.72	
Satd. Flow (perm)		1754	1583		1100	1583		3539	1583		2533	
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	25	163	64	155	91	67	0	891	163	115	856	23
RTOR Reduction (vph)	0	0	46	0	0	43	0	0	58	0	2	0
Lane Group Flow (vph)	0	188	18	0	246	24	0	891	105	0	992	0
Turn Type	Perm	NA	Perm	Perm	NA	Perm		NA	Perm	Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4		4	8		8			2	6		
Actuated Green, G (s)		24.5	24.5		24.5	24.5		56.5	56.5		56.5	
Effective Green, g (s)		26.0	26.0		26.0	26.0		58.0	58.0		58.0	
Actuated g/C Ratio		0.29	0.29		0.29	0.29		0.64	0.64		0.64	
Clearance Time (s)		4.5	4.5		4.5	4.5		4.5	4.5		4.5	
Lane Grp Cap (vph)		506	457		317	457		2280	1020		1632	
v/s Ratio Prot								0.25				
v/s Ratio Perm		0.11	0.01		c0.22	0.01			0.07		c0.39	
v/c Ratio		0.37	0.04		0.78	0.05		0.39	0.10		0.61	
Uniform Delay, d1		25.5	23.0		29.3	23.1		7.6	6.1		9.4	
Progression Factor		1.00	1.00		1.00	1.00		1.00	1.00		1.00	
Incremental Delay, d2		2.1	0.2		16.9	0.2		0.5	0.2		1.7	
Delay (s)		27.6	23.2		46.2	23.3		8.1	6.3		11.0	
Level of Service		C	C		D	C		A	A		B	
Approach Delay (s)		26.5			41.3			7.8			11.0	
Approach LOS		C			D			A			B	

Intersection Summary			
HCM 2000 Control Delay	14.9	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.66		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	6.0
Intersection Capacity Utilization	89.0%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	1387	553	271	605	0	0	0	0	400	21	920
Future Volume (vph)	0	1387	553	271	605	0	0	0	0	400	21	920
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.5	4.5	4.5	4.5						4.5	4.5
Lane Util. Factor		0.86	0.86	0.97	0.95						1.00	0.76
Frt		0.99	0.85	1.00	1.00						1.00	0.85
Flt Protected		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (prot)		4748	1362	3433	3539						1778	3610
Flt Permitted		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (perm)		4748	1362	3433	3539						1778	3610
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	0	1387	553	271	605	0	0	0	0	400	21	920
RTOR Reduction (vph)	0	8	134	0	0	0	0	0	0	0	0	15
Lane Group Flow (vph)	0	1501	297	271	605	0	0	0	0	0	421	905
Turn Type		NA	Perm	Prot	NA					Split	NA	custom
Protected Phases		2		3	8					6	6	2 6
Permitted Phases			2									
Actuated Green, G (s)		40.9	40.9	23.1	23.1						35.1	80.5
Effective Green, g (s)		40.9	40.9	23.1	23.1						35.1	80.5
Actuated g/C Ratio		0.36	0.36	0.21	0.21						0.31	0.71
Clearance Time (s)		4.5	4.5	4.5	4.5						4.5	
Vehicle Extension (s)		3.0	3.0	3.0	3.0						3.0	
Lane Grp Cap (vph)		1724	494	704	726						554	2580
v/s Ratio Prot		c0.32		0.08	c0.17						c0.24	0.25
v/s Ratio Perm			0.22									
v/c Ratio		0.87	0.60	0.38	0.83						0.76	0.35
Uniform Delay, d1		33.4	29.2	38.6	42.9						34.9	6.1
Progression Factor		1.00	1.00	1.00	1.00						1.00	1.00
Incremental Delay, d2		6.3	5.3	0.4	8.1						5.9	0.1
Delay (s)		39.7	34.5	39.0	51.0						40.9	6.2
Level of Service		D	C	D	D						D	A
Approach Delay (s)		38.6			47.3			0.0			17.1	
Approach LOS		D			D			A			B	

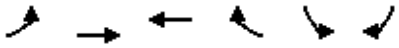
Intersection Summary					
HCM 2000 Control Delay	33.5	HCM 2000 Level of Service	C		
HCM 2000 Volume to Capacity ratio	0.82				
Actuated Cycle Length (s)	112.6	Sum of lost time (s)	13.5		
Intersection Capacity Utilization	73.1%	ICU Level of Service	D		
Analysis Period (min)	15				

c Critical Lane Group

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	648	844	0	444	796	94
Future Volume (veh/h)	648	844	0	444	796	94
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	1863	1863	1863
Adj Flow Rate, veh/h	648	0	0	444	796	61
Adj No. of Lanes	2	1	0	2	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	0	2	2	2
Cap, veh/h	1411	631	0	1411	1390	639
Arrive On Green	0.40	0.00	0.00	0.40	0.40	0.40
Sat Flow, veh/h	3632	1583	0	3725	3442	1583
Grp Volume(v), veh/h	648	0	0	444	796	61
Grp Sat Flow(s),veh/h/ln	1770	1583	0	1770	1721	1583
Q Serve(g_s), s	4.1	0.0	0.0	2.6	5.4	0.7
Cycle Q Clear(g_c), s	4.1	0.0	0.0	2.6	5.4	0.7
Prop In Lane		1.00	0.00		1.00	1.00
Lane Grp Cap(c), veh/h	1411	631	0	1411	1390	639
V/C Ratio(X)	0.46	0.00	0.00	0.31	0.57	0.10
Avail Cap(c_a), veh/h	3380	1512	0	3380	3400	1564
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	6.7	0.0	0.0	6.3	7.0	5.6
Incr Delay (d2), s/veh	0.2	0.0	0.0	0.1	0.4	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.0	0.0	0.0	1.3	2.6	0.3
LnGrp Delay(d),s/veh	7.0	0.0	0.0	6.4	7.4	5.7
LnGrp LOS	A			A	A	A
Approach Vol, veh/h	648			444	857	
Approach Delay, s/veh	7.0			6.4	7.3	
Approach LOS	A			A	A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		15.3		15.1				15.1
Change Period (Y+Rc), s		4.5		4.5				4.5
Max Green Setting (Gmax), s		28.5		27.5				27.5
Max Q Clear Time (g_c+I1), s		7.4		6.1				4.6
Green Ext Time (p_c), s		3.3		4.5				3.0

Intersection Summary	
HCM 2010 Ctrl Delay	7.0
HCM 2010 LOS	A



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	1184	1187	66	406	912
Future Volume (veh/h)	0	1184	1187	66	406	912
Number	7	4	8	18	1	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	0	1184	1187	0	406	896
Adj No. of Lanes	0	3	3	0	1	2
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	0	2	2	2	2	2
Cap, veh/h	0	2303	2303	0	754	1347
Arrive On Green	0.00	0.45	0.45	0.00	0.43	0.43
Sat Flow, veh/h	0	5421	5421	0	1774	3167
Grp Volume(v), veh/h	0	1184	1187	0	406	896
Grp Sat Flow(s),veh/h/ln	0	1695	1695	0	1774	1583
Q Serve(g_s), s	0.0	8.2	8.2	0.0	8.4	11.2
Cycle Q Clear(g_c), s	0.0	8.2	8.2	0.0	8.4	11.2
Prop In Lane	0.00			0.00	1.00	1.00
Lane Grp Cap(c), veh/h	0	2303	2303	0	754	1347
V/C Ratio(X)	0.00	0.51	0.52	0.00	0.54	0.67
Avail Cap(c_a), veh/h	0	4543	4543	0	2341	4180
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	9.6	9.6	0.0	10.5	11.3
Incr Delay (d2), s/veh	0.0	0.2	0.2	0.0	0.6	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	3.8	3.8	0.0	4.2	5.0
LnGrp Delay(d),s/veh	0.0	9.8	9.8	0.0	11.1	11.9
LnGrp LOS		A	A		B	B
Approach Vol, veh/h		1184	1187		1302	
Approach Delay, s/veh		9.8	9.8		11.7	
Approach LOS		A	A		B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs				4		6		8
Phs Duration (G+Y+Rc), s				25.3		23.9		25.3
Change Period (Y+Rc), s				4.5		4.5		4.5
Max Green Setting (Gmax), s				42.5		63.5		42.5
Max Q Clear Time (g_c+I1), s				10.2		13.2		10.2
Green Ext Time (p_c), s				10.6		6.3		10.6

Intersection Summary	
HCM 2010 Ctrl Delay	10.5
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	189	1051	354	314	1552	317	456	86	528	569	99	372
Future Volume (veh/h)	189	1051	354	314	1552	317	456	86	528	569	99	372
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	189	1051	193	314	1552	66	456	86	314	569	99	345
Adj No. of Lanes	1	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	238	1314	409	771	1770	551	560	303	612	864	467	397
Arrive On Green	0.13	0.26	0.26	0.22	0.35	0.35	0.16	0.16	0.16	0.25	0.25	0.25
Sat Flow, veh/h	1774	5085	1583	3442	5085	1583	3442	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	189	1051	193	314	1552	66	456	86	314	569	99	345
Grp Sat Flow(s),veh/h/ln	1774	1695	1583	1721	1695	1583	1721	1863	1583	1721	1863	1583
Q Serve(g_s), s	11.9	22.2	11.8	9.0	32.9	3.3	14.7	4.7	0.0	17.1	4.8	24.0
Cycle Q Clear(g_c), s	11.9	22.2	11.8	9.0	32.9	3.3	14.7	4.7	0.0	17.1	4.8	24.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	238	1314	409	771	1770	551	560	303	612	864	467	397
V/C Ratio(X)	0.79	0.80	0.47	0.41	0.88	0.12	0.81	0.28	0.51	0.66	0.21	0.87
Avail Cap(c_a), veh/h	262	1427	444	771	1812	564	580	314	621	915	495	421
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	48.3	39.9	36.0	38.1	35.2	25.5	46.5	42.3	27.0	38.7	34.1	41.3
Incr Delay (d2), s/veh	14.3	3.1	0.8	0.3	5.1	0.1	8.5	0.5	0.7	1.6	0.2	16.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.8	10.8	5.3	4.3	16.2	1.4	7.6	2.5	7.7	8.3	2.5	12.3
LnGrp Delay(d),s/veh	62.5	43.0	36.9	38.5	40.3	25.6	55.0	42.8	27.7	40.3	34.3	58.0
LnGrp LOS	E	D	D	D	D	C	E	D	C	D	C	E
Approach Vol, veh/h		1433			1932			856			1013	
Approach Delay, s/veh		44.8			39.5			43.8			45.7	
Approach LOS		D			D			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		31.9	28.8	32.7		21.7	18.4	43.1
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		29.1	24.2	30.8		17.9	15.5	39.5
Max Q Clear Time (g_c+I1), s		26.0	11.0	24.2		16.7	13.9	34.9
Green Ext Time (p_c), s		1.4	0.9	4.0		0.5	0.1	3.6

Intersection Summary	
HCM 2010 Ctrl Delay	42.9
HCM 2010 LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	132	339	36	604	666	1193	58	690	729	784	803	66
Future Volume (veh/h)	132	339	36	604	666	1193	58	690	729	784	803	66
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.89	1.00		0.90	1.00		0.96	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	132	339	36	604	666	1109	58	690	685	784	803	66
Adj No. of Lanes	1	2	0	3	2	1	1	3	1	2	3	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	166	864	91	666	1099	825	74	1214	575	830	2094	171
Arrive On Green	0.09	0.27	0.27	0.13	0.31	0.31	0.04	0.24	0.24	0.24	0.44	0.44
Sat Flow, veh/h	1774	3189	335	5003	3539	1429	1774	5085	1527	3442	4781	391
Grp Volume(v), veh/h	132	186	189	604	666	1109	58	690	685	784	568	301
Grp Sat Flow(s),veh/h/ln	1774	1770	1754	1668	1770	1429	1774	1695	1527	1721	1695	1782
Q Serve(g_s), s	11.3	13.3	13.6	18.4	24.8	48.1	5.0	18.5	37.0	34.7	17.5	17.7
Cycle Q Clear(g_c), s	11.3	13.3	13.6	18.4	24.8	48.1	5.0	18.5	37.0	34.7	17.5	17.7
Prop In Lane	1.00		0.19	1.00		1.00	1.00		1.00	1.00		0.22
Lane Grp Cap(c), veh/h	166	480	475	666	1099	825	74	1214	575	830	1485	781
V/C Ratio(X)	0.80	0.39	0.40	0.91	0.61	1.34	0.78	0.57	1.19	0.94	0.38	0.39
Avail Cap(c_a), veh/h	203	480	475	666	1099	825	121	1214	575	855	1485	781
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.47	0.47	0.47	0.69	0.69	0.69	1.00	1.00	1.00
Uniform Delay (d), s/veh	68.8	46.0	46.2	66.2	45.4	35.8	73.6	52.0	48.9	57.8	29.4	29.4
Incr Delay (d2), s/veh	16.3	2.4	2.5	8.7	1.2	158.5	11.7	1.3	97.7	18.5	0.7	1.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.3	6.8	6.9	9.0	12.3	71.5	2.7	8.8	40.3	18.7	8.4	9.0
LnGrp Delay(d),s/veh	85.1	48.4	48.6	75.0	46.6	194.3	85.3	53.3	146.6	76.3	30.1	30.9
LnGrp LOS	F	D	D	E	D	F	F	D	F	E	C	C
Approach Vol, veh/h		507			2379			1433			1653	
Approach Delay, s/veh		58.0			122.7			99.2			52.2	
Approach LOS		E			F			F			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	41.9	41.5	25.1	46.5	11.0	72.4	19.0	52.6
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	38.5	37.0	19.5	42.0	10.6	64.9	17.7	43.8
Max Q Clear Time (g_c+I1), s	36.7	39.0	20.4	15.6	7.0	19.7	13.3	50.1
Green Ext Time (p_c), s	0.7	0.0	0.0	2.3	0.0	7.0	0.1	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	92.0
HCM 2010 LOS	F

Notes

User approved changes to right turn type.

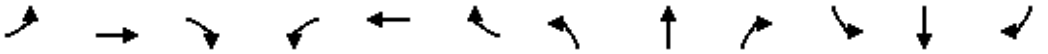
Intersection	
Int Delay, s/veh	5.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	90	0	201	10	12	3	137	261	1	0	120	159
Future Vol, veh/h	90	0	201	10	12	3	137	261	1	0	120	159
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	-	-	-	50	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	90	0	201	10	12	3	137	261	1	0	120	159

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	743	736	200	836	815	262	279	0	0	262	0	0
Stage 1	200	200	-	536	536	-	-	-	-	-	-	-
Stage 2	543	536	-	300	279	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	331	346	841	287	312	777	1284	-	-	1302	-	-
Stage 1	802	736	-	529	523	-	-	-	-	-	-	-
Stage 2	524	523	-	709	680	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	293	309	841	201	279	777	1284	-	-	1302	-	-
Mov Cap-2 Maneuver	293	309	-	201	279	-	-	-	-	-	-	-
Stage 1	716	736	-	472	467	-	-	-	-	-	-	-
Stage 2	454	467	-	540	680	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	14.3	20.4	2.8	0
HCM LOS	B	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1284	-	-	293	841	259	1302	-	-
HCM Lane V/C Ratio	0.107	-	-	0.307	0.239	0.097	-	-	-
HCM Control Delay (s)	8.1	-	-	22.6	10.6	20.4	0	-	-
HCM Lane LOS	A	-	-	C	B	C	A	-	-
HCM 95th %tile Q(veh)	0.4	-	-	1.3	0.9	0.3	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	263	90	73	52	100	266	76	886	51	268	1164	239
Future Volume (veh/h)	263	90	73	52	100	266	76	886	51	268	1164	239
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	263	90	73	52	100	266	76	886	51	268	1164	239
Adj No. of Lanes	1	1	0	0	2	1	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	332	178	145	236	489	321	108	1305	406	321	1916	597
Arrive On Green	0.19	0.19	0.18	0.20	0.20	0.20	0.06	0.26	0.26	0.18	0.38	0.38
Sat Flow, veh/h	1774	953	773	1163	2412	1583	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	263	0	163	81	71	266	76	886	51	268	1164	239
Grp Sat Flow(s),veh/h/ln	1774	0	1726	1805	1770	1583	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	13.1	0.0	7.9	3.5	3.1	14.9	3.9	14.5	2.3	13.5	17.1	10.3
Cycle Q Clear(g_c), s	13.1	0.0	7.9	3.5	3.1	14.9	3.9	14.5	2.3	13.5	17.1	10.3
Prop In Lane	1.00		0.45	0.64		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	332	0	323	366	359	321	108	1305	406	321	1916	597
V/C Ratio(X)	0.79	0.00	0.50	0.22	0.20	0.83	0.71	0.68	0.13	0.84	0.61	0.40
Avail Cap(c_a), veh/h	728	0	708	555	544	487	268	2168	675	728	3485	1085
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	35.9	0.0	33.9	30.8	30.7	35.4	42.7	31.0	26.4	36.6	23.3	21.2
Incr Delay (d2), s/veh	4.3	0.0	1.2	0.3	0.3	7.2	8.1	0.6	0.1	5.7	0.3	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.8	0.0	3.9	1.8	1.5	7.1	2.1	6.9	1.0	7.1	8.0	4.5
LnGrp Delay(d),s/veh	40.2	0.0	35.1	31.1	31.0	42.6	50.8	31.6	26.6	42.3	23.6	21.6
LnGrp LOS	D		D	C	C	D	D	C	C	D	C	C
Approach Vol, veh/h		426			418			1013			1671	
Approach Delay, s/veh		38.3			38.4			32.8			26.4	
Approach LOS		D			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	20.8	27.8		21.3	9.6	38.9		22.8
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	37.5	39.0		37.5	13.5	63.0		28.0
Max Q Clear Time (g_c+I1), s	15.5	16.5		15.1	5.9	19.1		16.9
Green Ext Time (p_c), s	0.8	6.8		1.7	0.1	12.6		1.4

Intersection Summary	
HCM 2010 Ctrl Delay	31.1
HCM 2010 LOS	C

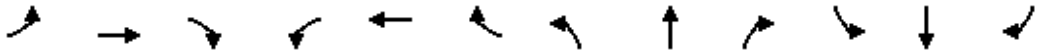
Intersection	
Int Delay, s/veh	5.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	71	0	211	3	4	1	198	327	0	0	200	131
Future Vol, veh/h	71	0	211	3	4	1	198	327	0	0	200	131
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	-	0	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	71	0	211	3	4	1	198	327	0	0	200	131

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	992	989	266	1094	1054	327	331	0	0	327	0	0
Stage 1	266	266	-	723	723	-	-	-	-	-	-	-
Stage 2	726	723	-	371	331	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	225	247	773	191	226	714	1228	-	-	1233	-	-
Stage 1	739	689	-	417	431	-	-	-	-	-	-	-
Stage 2	416	431	-	649	645	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	194	207	773	122	190	714	1228	-	-	1233	-	-
Mov Cap-2 Maneuver	194	207	-	122	190	-	-	-	-	-	-	-
Stage 1	620	689	-	350	362	-	-	-	-	-	-	-
Stage 2	345	362	-	472	645	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	17.1	27.2	3.2	0
HCM LOS	C	D		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1228	-	-	194	773	170	1233	-	-
HCM Lane V/C Ratio	0.161	-	-	0.366	0.273	0.047	-	-	-
HCM Control Delay (s)	8.5	-	-	33.9	11.4	27.2	0	-	-
HCM Lane LOS	A	-	-	D	B	D	A	-	-
HCM 95th %tile Q(veh)	0.6	-	-	1.6	1.1	0.1	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	296	168	233	42	239	58	236	740	40	74	814	206
Future Volume (veh/h)	296	168	233	42	239	58	236	740	40	74	814	206
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	232	257	233	42	239	58	236	740	26	74	814	206
Adj No. of Lanes	1	2	0	0	2	0	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	411	431	366	70	413	104	317	1922	598	130	1386	818
Arrive On Green	0.23	0.23	0.22	0.15	0.16	0.14	0.18	0.38	0.38	0.07	0.27	0.28
Sat Flow, veh/h	1774	1863	1583	430	2523	638	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	232	257	233	180	0	159	236	740	26	74	814	206
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1841	0	1750	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	9.0	9.6	10.4	7.1	0.0	6.5	9.8	8.3	0.8	3.1	10.8	5.6
Cycle Q Clear(g_c), s	9.0	9.6	10.4	7.1	0.0	6.5	9.8	8.3	0.8	3.1	10.8	5.6
Prop In Lane	1.00		1.00	0.23		0.36	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	411	431	366	301	0	286	317	1922	598	130	1386	818
V/C Ratio(X)	0.57	0.60	0.64	0.60	0.00	0.56	0.75	0.39	0.04	0.57	0.59	0.25
Avail Cap(c_a), veh/h	910	955	812	909	0	864	910	4010	1249	478	2771	1250
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	26.5	26.7	27.2	30.3	0.0	30.3	30.4	17.7	15.3	35.0	24.6	10.5
Incr Delay (d2), s/veh	1.2	1.3	1.8	1.9	0.0	1.7	3.5	0.1	0.0	3.9	0.4	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.5	5.1	4.7	3.8	0.0	3.3	5.1	3.9	0.4	1.7	5.1	3.7
LnGrp Delay(d),s/veh	27.7	28.0	29.1	32.2	0.0	31.9	33.8	17.8	15.4	38.9	25.0	10.6
LnGrp LOS	C	C	C	C		C	C	B	B	D	C	B
Approach Vol, veh/h		722			339			1002			1094	
Approach Delay, s/veh		28.3			32.1			21.5			23.2	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	8.7	32.5		21.0	16.9	24.3		15.8
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	19.5	60.0		38.5	38.5	41.0		37.0
Max Q Clear Time (g_c+I1), s	5.1	10.3		12.4	11.8	12.8		9.1
Green Ext Time (p_c), s	0.1	6.0		4.2	0.7	6.9		2.2

Intersection Summary	
HCM 2010 Ctrl Delay	24.8
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	15	356	66	358	566	633	126	380	441	395	396	55
Future Volume (veh/h)	15	356	66	358	566	633	126	380	441	395	396	55
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	15	356	66	358	566	633	126	380	0	395	396	55
Adj No. of Lanes	1	2	0	1	1	1	1	2	1	2	1	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	213	358	66	649	681	579	122	1034	463	450	567	79
Arrive On Green	0.12	0.12	0.12	0.37	0.37	0.37	0.07	0.29	0.00	0.13	0.35	0.35
Sat Flow, veh/h	1774	2987	548	1774	1863	1583	1774	3539	1583	3442	1601	222
Grp Volume(v), veh/h	15	209	213	358	566	633	126	380	0	395	0	451
Grp Sat Flow(s),veh/h/ln	1774	1770	1766	1774	1863	1583	1774	1770	1583	1721	0	1824
Q Serve(g_s), s	1.3	20.7	21.0	28.1	48.4	64.0	12.0	14.9	0.0	19.7	0.0	37.1
Cycle Q Clear(g_c), s	1.3	20.7	21.0	28.1	48.4	64.0	12.0	14.9	0.0	19.7	0.0	37.1
Prop In Lane	1.00		0.31	1.00		1.00	1.00		1.00	1.00		0.12
Lane Grp Cap(c), veh/h	213	212	212	649	681	579	122	1034	463	450	0	646
V/C Ratio(X)	0.07	0.99	1.00	0.55	0.83	1.09	1.04	0.37	0.00	0.88	0.00	0.70
Avail Cap(c_a), veh/h	213	212	212	649	681	579	122	1034	463	531	0	646
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	68.3	76.9	77.1	44.1	50.6	55.5	81.5	49.1	0.0	74.7	0.0	48.5
Incr Delay (d2), s/veh	0.1	57.7	62.6	1.0	8.6	65.3	91.5	1.0	0.0	13.8	0.0	6.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	13.5	13.9	13.9	26.6	38.5	9.0	7.4	0.0	10.2	0.0	19.8
LnGrp Delay(d),s/veh	68.5	134.5	139.7	45.1	59.1	120.8	173.5	50.1	0.0	88.5	0.0	54.7
LnGrp LOS	E	F	F	D	E	F	F	D		F		D
Approach Vol, veh/h		437			1557			506			846	
Approach Delay, s/veh		134.8			81.0			80.8			70.4	
Approach LOS		F			F			F			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	26.9	55.1		25.0	16.0	66.0		68.0
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	26.5	46.5		20.5	11.5	61.5		63.5
Max Q Clear Time (g_c+I1), s	23.7	16.9		23.0	14.0	39.1		66.0
Green Ext Time (p_c), s	0.7	2.7		0.0	0.0	2.9		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	85.3
HCM 2010 LOS	F

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	185	944	70	603	1234	158	51	69	260	343	243	230
Future Volume (veh/h)	185	944	70	603	1234	158	51	69	260	343	243	230
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	185	944	70	603	1234	0	51	69	-17	343	243	161
Adj No. of Lanes	2	3	0	2	3	1	1	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	300	1425	105	775	2201	685	118	124	105	676	366	311
Arrive On Green	0.09	0.29	0.29	0.23	0.43	0.00	0.07	0.07	0.00	0.20	0.20	0.20
Sat Flow, veh/h	3442	4832	358	3442	5085	1583	1774	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	185	662	352	603	1234	0	51	69	-17	343	243	161
Grp Sat Flow(s),veh/h/ln	1721	1695	1800	1721	1695	1583	1774	1863	1583	1721	1863	1583
Q Serve(g_s), s	3.8	12.6	12.7	12.1	13.4	0.0	2.0	2.6	0.0	6.6	8.9	6.7
Cycle Q Clear(g_c), s	3.8	12.6	12.7	12.1	13.4	0.0	2.0	2.6	0.0	6.6	8.9	6.7
Prop In Lane	1.00		0.20	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	300	999	531	775	2201	685	118	124	105	676	366	311
V/C Ratio(X)	0.62	0.66	0.66	0.78	0.56	0.00	0.43	0.56	-0.16	0.51	0.66	0.52
Avail Cap(c_a), veh/h	514	1519	806	1309	3453	1075	458	481	409	1355	734	624
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	32.4	22.8	22.8	26.8	15.6	0.0	33.0	33.3	0.0	26.4	27.3	26.5
Incr Delay (d2), s/veh	2.1	0.8	1.4	1.7	0.2	0.0	2.5	3.9	0.0	0.6	2.1	1.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.9	6.0	6.5	6.0	6.2	0.0	1.1	1.5	0.0	3.2	4.7	3.0
LnGrp Delay(d),s/veh	34.5	23.5	24.3	28.5	15.9	0.0	35.5	37.2	0.0	27.0	29.4	27.8
LnGrp LOS	C	C	C	C	B		D	D		C	C	C
Approach Vol, veh/h		1199			1837			103			747	
Approach Delay, s/veh		25.4			20.0			42.5			28.0	
Approach LOS		C			C			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		18.5	20.6	25.7		8.9	10.4	35.9
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		28.5	27.5	32.5		18.5	10.5	49.5
Max Q Clear Time (g_c+I1), s		10.9	14.1	14.7		4.6	5.8	15.4
Green Ext Time (p_c), s		3.1	2.0	6.6		0.3	0.2	11.4

Intersection Summary	
HCM 2010 Ctrl Delay	23.8
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	938	266	14	3	245	165	12	12	6	173	8	1216
Future Volume (veh/h)	938	266	14	3	245	165	12	12	6	173	8	1216
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1900	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	1020	289	15	3	245	165	12	12	6	179	0	1216
Adj No. of Lanes	2	1	1	1	2	1	0	2	0	2	0	2
Peak Hour Factor	0.92	0.92	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	1167	1036	881	20	835	374	54	56	29	531	0	1572
Arrive On Green	0.34	0.56	0.56	0.01	0.24	0.24	0.04	0.04	0.03	0.15	0.00	0.16
Sat Flow, veh/h	3442	1863	1583	1774	3539	1583	1369	1430	729	3548	0	3167
Grp Volume(v), veh/h	1020	289	15	3	245	165	16	0	14	179	0	1216
Grp Sat Flow(s),veh/h/ln	1721	1863	1583	1774	1770	1583	1794	0	1734	1774	0	1583
Q Serve(g_s), s	18.9	5.5	0.3	0.1	3.9	6.0	0.6	0.0	0.5	3.1	0.0	0.0
Cycle Q Clear(g_c), s	18.9	5.5	0.3	0.1	3.9	6.0	0.6	0.0	0.5	3.1	0.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	0.76		0.42	1.00		1.00
Lane Grp Cap(c), veh/h	1167	1036	881	20	835	374	70	0	68	531	0	1572
V/C Ratio(X)	0.87	0.28	0.02	0.15	0.29	0.44	0.22	0.00	0.21	0.34	0.00	0.77
Avail Cap(c_a), veh/h	1167	1036	881	144	835	374	489	0	473	863	0	1868
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	21.0	7.9	6.7	33.2	21.3	22.1	31.6	0.0	31.7	25.8	0.0	14.0
Incr Delay (d2), s/veh	9.2	0.7	0.0	3.3	0.9	3.8	1.6	0.0	1.5	0.4	0.0	1.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	10.4	3.0	0.1	0.1	2.0	3.0	0.3	0.0	0.3	1.5	0.0	9.5
LnGrp Delay(d),s/veh	30.2	8.6	6.8	36.5	22.2	25.9	33.2	0.0	33.2	26.2	0.0	15.7
LnGrp LOS	C	A	A	D	C	C	C		C	C		B
Approach Vol, veh/h		1324			413			30			1395	
Approach Delay, s/veh		25.2			23.7			33.2			17.1	
Approach LOS		C			C			C			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		6.7	4.8	42.2		14.2	27.0	20.0
Change Period (Y+Rc), s		4.5	4.5	* 4.5		4.0	4.5	4.0
Max Green Setting (Gmax), s		18.0	5.0	* 34		16.5	22.5	16.0
Max Q Clear Time (g_c+I1), s		2.6	2.1	7.5		5.1	20.9	8.0
Green Ext Time (p_c), s		0.1	0.0	1.8		5.1	0.8	1.3

Intersection Summary	
HCM 2010 Ctrl Delay	21.5
HCM 2010 LOS	C

Notes

User approved pedestrian interval to be less than phase max green.
User approved volume balancing among the lanes for turning movement.
* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	219	13	534	20	13	8	796	282	21	11	834	227
Future Volume (veh/h)	219	13	534	20	13	8	796	282	21	11	834	227
Number	3	8	18	7	4	14	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1900	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	276	0	114	20	13	8	796	282	21	11	834	227
Adj No. of Lanes	2	0	1	0	1	0	2	2	0	1	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	450	0	201	41	26	16	974	1884	139	38	1069	478
Arrive On Green	0.13	0.00	0.13	0.05	0.05	0.04	0.28	0.56	0.56	0.02	0.30	0.30
Sat Flow, veh/h	3548	0	1583	858	558	343	3442	3341	247	1774	3539	1583
Grp Volume(v), veh/h	276	0	114	41	0	0	796	149	154	11	834	227
Grp Sat Flow(s),veh/h/ln	1774	0	1583	1759	0	0	1721	1770	1819	1774	1770	1583
Q Serve(g_s), s	4.9	0.0	4.5	1.5	0.0	0.0	14.3	2.7	2.7	0.4	14.3	7.8
Cycle Q Clear(g_c), s	4.9	0.0	4.5	1.5	0.0	0.0	14.3	2.7	2.7	0.4	14.3	7.8
Prop In Lane	1.00		1.00	0.49		0.20	1.00		0.14	1.00		1.00
Lane Grp Cap(c), veh/h	450	0	201	83	0	0	974	998	1026	38	1069	478
V/C Ratio(X)	0.61	0.00	0.57	0.49	0.00	0.00	0.82	0.15	0.15	0.29	0.78	0.47
Avail Cap(c_a), veh/h	987	0	440	489	0	0	1242	1104	1135	147	1224	547
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	27.5	0.0	27.3	30.9	0.0	0.0	22.2	6.9	6.9	32.1	21.2	18.9
Incr Delay (d2), s/veh	1.4	0.0	2.5	4.4	0.0	0.0	3.5	0.1	0.1	4.2	2.9	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.5	0.0	2.1	0.8	0.0	0.0	7.2	1.3	1.4	0.2	7.4	3.5
LnGrp Delay(d),s/veh	28.8	0.0	29.8	35.4	0.0	0.0	25.7	7.0	7.0	36.2	24.1	19.6
LnGrp LOS	C		C	D			C	A	A	D	C	B
Approach Vol, veh/h		390			41			1099			1072	
Approach Delay, s/veh		29.1			35.4			20.5			23.3	
Approach LOS		C			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	5.4	41.5		7.2	22.8	24.1		12.4
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	5.0	41.0		18.0	23.5	22.5		18.0
Max Q Clear Time (g_c+I1), s	2.4	4.7		3.5	16.3	16.3		6.9
Green Ext Time (p_c), s	0.0	1.9		0.1	2.0	3.3		1.1

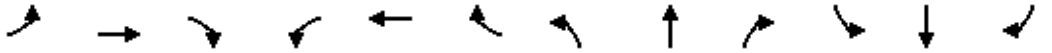
Intersection Summary	
HCM 2010 Ctrl Delay	23.2
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	16	117	34	154	80	67	2	972	174	119	828	33
Future Volume (vph)	16	117	34	154	80	67	2	972	174	119	828	33
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		3.0	3.0		3.0	3.0		3.0	3.0		3.0	
Lane Util. Factor		1.00	1.00		1.00	1.00		0.95	1.00		0.95	
Frt		1.00	0.85		1.00	0.85		1.00	0.85		0.99	
Flt Protected		0.99	1.00		0.97	1.00		1.00	1.00		0.99	
Satd. Flow (prot)		1852	1583		1803	1583		3539	1583		3500	
Flt Permitted		0.96	1.00		0.68	1.00		0.95	1.00		0.69	
Satd. Flow (perm)		1780	1583		1257	1583		3376	1583		2414	
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	16	117	34	154	80	67	2	972	174	119	828	33
RTOR Reduction (vph)	0	0	24	0	0	46	0	0	62	0	3	0
Lane Group Flow (vph)	0	133	10	0	234	21	0	974	112	0	977	0
Turn Type	Perm	NA	Perm	Perm	NA	Perm	Perm	NA	Perm	Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4		4	8		8	2		2	6		
Actuated Green, G (s)		24.5	24.5		24.5	24.5		56.5	56.5		56.5	
Effective Green, g (s)		26.0	26.0		26.0	26.0		58.0	58.0		58.0	
Actuated g/C Ratio		0.29	0.29		0.29	0.29		0.64	0.64		0.64	
Clearance Time (s)		4.5	4.5		4.5	4.5		4.5	4.5		4.5	
Lane Grp Cap (vph)		514	457		363	457		2175	1020		1555	
v/s Ratio Prot												
v/s Ratio Perm		0.07	0.01		c0.19	0.01		0.29	0.07		c0.40	
v/c Ratio		0.26	0.02		0.64	0.05		0.45	0.11		0.63	
Uniform Delay, d1		24.6	22.9		28.0	23.1		8.0	6.1		9.6	
Progression Factor		1.00	1.00		1.00	1.00		1.00	1.00		1.00	
Incremental Delay, d2		1.2	0.1		8.5	0.2		0.7	0.2		1.9	
Delay (s)		25.8	23.0		36.5	23.3		8.7	6.3		11.5	
Level of Service		C	C		D	C		A	A		B	
Approach Delay (s)		25.2			33.6			8.3			11.5	
Approach LOS		C			C			A			B	

Intersection Summary			
HCM 2000 Control Delay	13.5	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.63		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	6.0
Intersection Capacity Utilization	83.7%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	997	653	595	837	0	0	0	0	212	1	1080
Future Volume (vph)	0	997	653	595	837	0	0	0	0	212	1	1080
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	4.0
Lane Util. Factor		0.86	0.86	0.97	0.95						1.00	0.76
Frt		0.97	0.85	1.00	1.00						1.00	0.85
Flt Protected		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (prot)		4647	1362	3433	3539						1774	3610
Flt Permitted		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (perm)		4647	1362	3433	3539						1774	3610
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	0	997	653	595	837	0	0	0	0	212	1	1080
RTOR Reduction (vph)	0	53	240	0	0	0	0	0	0	0	0	22
Lane Group Flow (vph)	0	1225	132	595	837	0	0	0	0	0	213	1058
Turn Type		NA	Perm	Prot	NA					Split	NA	custom
Protected Phases		2		3	8					6	6	2 6
Permitted Phases			2									
Actuated Green, G (s)		31.5	31.5	26.5	26.5						18.5	54.5
Effective Green, g (s)		32.0	32.0	27.0	27.0						19.0	55.0
Actuated g/C Ratio		0.36	0.36	0.30	0.30						0.21	0.61
Clearance Time (s)		4.5	4.5	4.5	4.5						4.5	
Vehicle Extension (s)		3.0	3.0	3.0	3.0						3.0	
Lane Grp Cap (vph)		1652	484	1029	1061						374	2206
v/s Ratio Prot		c0.26		0.17	c0.24						c0.12	0.29
v/s Ratio Perm			0.10									
v/c Ratio		0.74	0.27	0.58	0.79						0.57	0.48
Uniform Delay, d1		25.4	20.7	26.7	28.9						31.8	9.6
Progression Factor		1.00	1.00	1.00	1.00						1.00	1.00
Incremental Delay, d2		1.8	0.3	0.8	6.0						6.2	0.2
Delay (s)		27.2	21.0	27.5	34.9						38.0	9.8
Level of Service		C	C	C	C						D	A
Approach Delay (s)		25.8			31.8			0.0			14.4	
Approach LOS		C			C			A			B	

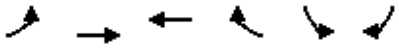
Intersection Summary			
HCM 2000 Control Delay	24.4	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.72		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	65.7%	ICU Level of Service	C
Analysis Period (min)	15		

c Critical Lane Group

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	1115	0	0	205	990	69
Future Volume (veh/h)	1115	0	0	205	990	69
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	1863	1863	1863
Adj Flow Rate, veh/h	1115	0	0	205	990	36
Adj No. of Lanes	2	1	0	2	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	0	2	2	2
Cap, veh/h	1672	748	0	1672	1371	631
Arrive On Green	0.47	0.00	0.00	0.47	0.40	0.40
Sat Flow, veh/h	3632	1583	0	3725	3442	1583
Grp Volume(v), veh/h	1115	0	0	205	990	36
Grp Sat Flow(s),veh/h/ln	1770	1583	0	1770	1721	1583
Q Serve(g_s), s	11.3	0.0	0.0	1.5	11.3	0.6
Cycle Q Clear(g_c), s	11.3	0.0	0.0	1.5	11.3	0.6
Prop In Lane		1.00	0.00		1.00	1.00
Lane Grp Cap(c), veh/h	1672	748	0	1672	1371	631
V/C Ratio(X)	0.67	0.00	0.00	0.12	0.72	0.06
Avail Cap(c_a), veh/h	2287	1023	0	2287	2150	989
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	9.4	0.0	0.0	6.9	11.8	8.6
Incr Delay (d2), s/veh	0.5	0.0	0.0	0.0	0.7	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.5	0.0	0.0	0.7	5.4	0.3
LnGrp Delay(d),s/veh	9.9	0.0	0.0	6.9	12.5	8.6
LnGrp LOS	A			A	B	A
Approach Vol, veh/h	1115			205	1026	
Approach Delay, s/veh	9.9			6.9	12.4	
Approach LOS	A			A	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		21.5		24.9				24.9
Change Period (Y+Rc), s		4.5		4.5				4.5
Max Green Setting (Gmax), s		27.5		28.5				28.5
Max Q Clear Time (g_c+I1), s		13.3		13.3				3.5
Green Ext Time (p_c), s		3.7		7.2				1.3

Intersection Summary	
HCM 2010 Ctrl Delay	10.7
HCM 2010 LOS	B



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	1263	1183	0	677	1069
Future Volume (veh/h)	0	1263	1183	0	677	1069
Number	7	4	8	18	1	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	0	1263	1183	0	577	1160
Adj No. of Lanes	0	3	3	0	1	2
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	0	2	2	2	2	2
Cap, veh/h	0	2086	2086	0	881	1573
Arrive On Green	0.00	0.41	0.41	0.00	0.50	0.50
Sat Flow, veh/h	0	5421	5421	0	1774	3167
Grp Volume(v), veh/h	0	1263	1183	0	577	1160
Grp Sat Flow(s),veh/h/ln	0	1695	1695	0	1774	1583
Q Serve(g_s), s	0.0	12.6	11.5	0.0	15.6	18.8
Cycle Q Clear(g_c), s	0.0	12.6	11.5	0.0	15.6	18.8
Prop In Lane	0.00			0.00	1.00	1.00
Lane Grp Cap(c), veh/h	0	2086	2086	0	881	1573
V/C Ratio(X)	0.00	0.61	0.57	0.00	0.65	0.74
Avail Cap(c_a), veh/h	0	3233	3233	0	1870	3339
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	14.9	14.6	0.0	12.1	12.9
Incr Delay (d2), s/veh	0.0	0.3	0.2	0.0	0.8	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	5.9	5.4	0.0	7.7	8.2
LnGrp Delay(d),s/veh	0.0	15.2	14.9	0.0	12.9	13.6
LnGrp LOS		B	B		B	B
Approach Vol, veh/h		1263	1183		1737	
Approach Delay, s/veh		15.2	14.9		13.4	
Approach LOS		B	B		B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs				4		6		8
Phs Duration (G+Y+Rc), s				29.5		35.0		29.5
Change Period (Y+Rc), s				4.5		4.5		4.5
Max Green Setting (Gmax), s				39.5		66.5		39.5
Max Q Clear Time (g_c+I1), s				14.6		20.8		13.5
Green Ext Time (p_c), s				10.4		9.8		9.8

Intersection Summary	
HCM 2010 Ctrl Delay	14.3
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	556	1435	352	414	1012	662	180	173	282	245	47	141
Future Volume (veh/h)	556	1435	352	414	1012	662	180	173	282	245	47	141
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	556	1435	191	414	1012	411	180	173	68	245	47	114
Adj No. of Lanes	1	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	582	1977	615	918	1664	518	353	191	585	410	222	188
Arrive On Green	0.33	0.39	0.39	0.27	0.33	0.33	0.10	0.10	0.10	0.12	0.12	0.12
Sat Flow, veh/h	1774	5085	1583	3442	5085	1583	3442	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	556	1435	191	414	1012	411	180	173	68	245	47	114
Grp Sat Flow(s),veh/h/ln	1774	1695	1583	1721	1695	1583	1721	1863	1583	1721	1863	1583
Q Serve(g_s), s	29.9	23.4	8.2	9.8	16.3	23.0	4.8	9.0	0.0	6.6	2.2	6.7
Cycle Q Clear(g_c), s	29.9	23.4	8.2	9.8	16.3	23.0	4.8	9.0	0.0	6.6	2.2	6.7
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	582	1977	615	918	1664	518	353	191	585	410	222	188
V/C Ratio(X)	0.96	0.73	0.31	0.45	0.61	0.79	0.51	0.91	0.12	0.60	0.21	0.61
Avail Cap(c_a), veh/h	582	2388	744	918	1851	576	353	191	585	1076	583	495
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	32.1	25.4	20.7	29.8	27.6	29.8	41.4	43.3	20.3	40.7	38.8	40.8
Incr Delay (d2), s/veh	26.5	0.9	0.3	0.3	0.5	6.8	1.2	39.8	0.1	1.4	0.5	3.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	19.0	11.1	3.6	4.7	7.7	11.0	2.4	6.7	1.2	3.2	1.2	3.1
LnGrp Delay(d),s/veh	58.5	26.3	21.0	30.1	28.0	36.6	42.7	83.1	20.4	42.1	39.3	43.9
LnGrp LOS	E	C	C	C	C	D	D	F	C	D	D	D
Approach Vol, veh/h		2182			1837			421			406	
Approach Delay, s/veh		34.0			30.4			55.7			42.3	
Approach LOS		C			C			E			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		14.6	29.0	40.9		13.0	35.0	34.9
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		29.0	20.2	44.3		8.5	30.5	34.0
Max Q Clear Time (g_c+I1), s		8.7	11.8	25.4		11.0	31.9	25.0
Green Ext Time (p_c), s		1.4	1.0	11.0		0.0	0.0	5.4

Intersection Summary	
HCM 2010 Ctrl Delay	35.2
HCM 2010 LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	115	663	45	472	313	900	31	458	833	913	823	40
Future Volume (veh/h)	115	663	45	472	313	900	31	458	833	913	823	40
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.89	1.00		0.90	1.00		0.96	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	115	663	45	472	313	816	31	458	789	913	823	40
Adj No. of Lanes	1	2	0	3	2	1	1	3	1	2	3	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	232	940	64	833	1123	766	42	1214	628	677	2043	99
Arrive On Green	0.13	0.28	0.28	0.17	0.32	0.32	0.02	0.24	0.24	0.20	0.41	0.41
Sat Flow, veh/h	1774	3334	226	5003	3539	1432	1774	5085	1527	3442	4963	240
Grp Volume(v), veh/h	115	351	357	472	313	816	31	458	789	913	561	302
Grp Sat Flow(s),veh/h/ln	1774	1770	1791	1668	1770	1432	1774	1695	1527	1721	1695	1813
Q Serve(g_s), s	9.3	27.6	27.7	13.5	10.3	49.2	2.7	11.7	37.0	30.5	18.1	18.2
Cycle Q Clear(g_c), s	9.3	27.6	27.7	13.5	10.3	49.2	2.7	11.7	37.0	30.5	18.1	18.2
Prop In Lane	1.00		0.13	1.00		1.00	1.00		1.00	1.00		0.13
Lane Grp Cap(c), veh/h	232	499	505	833	1123	766	42	1214	628	677	1396	746
V/C Ratio(X)	0.49	0.70	0.71	0.57	0.28	1.07	0.74	0.38	1.26	1.35	0.40	0.40
Avail Cap(c_a), veh/h	232	499	505	888	1123	766	80	1214	628	677	1396	746
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.79	0.79	0.79	0.73	0.73	0.73	1.00	1.00	1.00
Uniform Delay (d), s/veh	62.6	49.9	49.9	59.5	39.6	38.6	75.2	49.4	46.4	62.2	32.1	32.2
Incr Delay (d2), s/veh	1.6	8.1	8.1	0.6	0.5	47.9	16.4	0.7	124.8	166.4	0.9	1.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.7	14.6	14.8	6.3	5.1	42.8	1.5	5.5	48.7	30.1	8.7	9.5
LnGrp Delay(d),s/veh	64.2	58.0	58.0	60.0	40.1	86.5	91.6	50.0	171.1	228.6	33.0	33.8
LnGrp LOS	E	E	E	E	D	F	F	D	F	F	C	C
Approach Vol, veh/h		823			1601			1278			1776	
Approach Delay, s/veh		58.8			69.6			125.8			133.7	
Approach LOS		E			E			F			F	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	35.0	41.5	30.3	48.2	8.2	68.3	24.8	53.7
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	30.5	37.0	27.5	42.0	7.0	60.5	20.3	49.2
Max Q Clear Time (g_c+I1), s	32.5	39.0	15.5	29.7	4.7	20.2	11.3	51.2
Green Ext Time (p_c), s	0.0	0.0	1.5	3.6	0.0	6.8	0.2	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	101.9
HCM 2010 LOS	F

Notes

User approved changes to right turn type.

Intersection	
Int Delay, s/veh	6.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	93	4	276	5	6	1	80	198	7	2	137	87
Future Vol, veh/h	93	4	276	5	6	1	80	198	7	2	137	87
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	-	-	-	50	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	93	4	276	5	6	1	80	198	7	2	137	87

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	550	550	181	687	590	202	224	0	0	205	0	0
Stage 1	185	185	-	362	362	-	-	-	-	-	-	-
Stage 2	365	365	-	325	228	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	446	443	862	361	420	839	1345	-	-	1366	-	-
Stage 1	817	747	-	657	625	-	-	-	-	-	-	-
Stage 2	654	623	-	687	715	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	420	416	862	232	394	839	1345	-	-	1366	-	-
Mov Cap-2 Maneuver	420	416	-	232	394	-	-	-	-	-	-	-
Stage 1	769	746	-	618	588	-	-	-	-	-	-	-
Stage 2	608	586	-	464	714	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	12.5	16.8	2.2	0.1
HCM LOS	B	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1345	-	-	420	849	316	1366	-	-
HCM Lane V/C Ratio	0.059	-	-	0.221	0.33	0.038	0.001	-	-
HCM Control Delay (s)	7.8	-	-	16	11.3	16.8	7.6	0	-
HCM Lane LOS	A	-	-	C	B	C	A	A	-
HCM 95th %tile Q(veh)	0.2	-	-	0.8	1.4	0.1	0	-	-

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	292	128	47	21	73	159	42	873	36	259	952	339
Future Volume (veh/h)	292	128	47	21	73	159	42	873	36	259	952	339
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	292	128	47	21	73	159	42	873	36	259	952	339
Adj No. of Lanes	1	1	0	0	2	1	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	365	268	98	99	369	206	67	1359	423	310	2056	640
Arrive On Green	0.21	0.21	0.21	0.13	0.13	0.13	0.04	0.27	0.27	0.17	0.40	0.40
Sat Flow, veh/h	1774	1301	478	763	2831	1583	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	292	0	175	50	44	159	42	873	36	259	952	339
Grp Sat Flow(s),veh/h/ln	1774	0	1778	1825	1770	1583	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	12.7	0.0	7.0	2.0	1.8	7.9	1.9	12.3	1.4	11.4	11.1	13.2
Cycle Q Clear(g_c), s	12.7	0.0	7.0	2.0	1.8	7.9	1.9	12.3	1.4	11.4	11.1	13.2
Prop In Lane	1.00		0.27	0.42		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	365	0	366	238	230	206	67	1359	423	310	2056	640
V/C Ratio(X)	0.80	0.00	0.48	0.21	0.19	0.77	0.63	0.64	0.09	0.84	0.46	0.53
Avail Cap(c_a), veh/h	1105	0	1108	461	447	400	252	2979	927	930	4923	1533
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	30.6	0.0	28.4	31.5	31.5	34.1	38.5	26.3	22.3	32.3	17.7	18.3
Incr Delay (d2), s/veh	4.1	0.0	1.0	0.4	0.4	6.0	9.3	0.5	0.1	5.9	0.2	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.7	0.0	3.5	1.0	0.9	3.8	1.1	5.8	0.6	6.1	5.2	5.9
LnGrp Delay(d),s/veh	34.7	0.0	29.3	32.0	31.8	40.1	47.7	26.8	22.4	38.2	17.9	19.0
LnGrp LOS	C		C	C	C	D	D	C	C	D	B	B
Approach Vol, veh/h		467			253			951			1550	
Approach Delay, s/veh		32.7			37.1			27.5			21.5	
Approach LOS		C			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	18.7	26.2		21.2	7.6	37.3		15.1
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	42.5	47.5		50.5	11.5	78.5		20.5
Max Q Clear Time (g_c+I1), s	13.4	14.3		14.7	3.9	15.2		9.9
Green Ext Time (p_c), s	0.8	7.4		2.0	0.0	10.8		0.7

Intersection Summary	
HCM 2010 Ctrl Delay	26.1
HCM 2010 LOS	C

Intersection	
Int Delay, s/veh	7.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	70	1	347	2	2	0	132	215	2	1	326	92
Future Vol, veh/h	70	1	347	2	2	0	132	215	2	1	326	92
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	-	0	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	70	1	347	2	2	0	132	215	2	1	326	92

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	855	855	372	1028	900	216	418	0	0	217	0	0
Stage 1	374	374	-	480	480	-	-	-	-	-	-	-
Stage 2	481	481	-	548	420	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	278	296	674	212	278	824	1141	-	-	1353	-	-
Stage 1	647	618	-	567	554	-	-	-	-	-	-	-
Stage 2	566	554	-	521	589	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	252	261	674	93	245	824	1141	-	-	1353	-	-
Mov Cap-2 Maneuver	252	261	-	93	245	-	-	-	-	-	-	-
Stage 1	572	617	-	501	490	-	-	-	-	-	-	-
Stage 2	498	490	-	252	588	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	17.4	32.5	3.2	0
HCM LOS	C	D		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1141	-	-	252	674	135	1353	-	-
HCM Lane V/C Ratio	0.116	-	-	0.282	0.515	0.03	0.001	-	-
HCM Control Delay (s)	8.6	-	-	24.8	15.9	32.5	7.7	0	-
HCM Lane LOS	A	-	-	C	C	D	A	A	-
HCM 95th %tile Q(veh)	0.4	-	-	1.1	3	0.1	0	-	-

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	220	213	222	26	172	42	263	543	64	141	650	218
Future Volume (veh/h)	220	213	222	26	172	42	263	543	64	141	650	218
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	218	215	222	26	172	42	263	543	64	141	650	218
Adj No. of Lanes	1	2	0	0	2	0	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	417	438	372	52	355	90	358	1631	508	220	1234	685
Arrive On Green	0.24	0.24	0.24	0.12	0.14	0.12	0.20	0.32	0.32	0.12	0.24	0.22
Sat Flow, veh/h	1774	1863	1583	377	2565	650	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	218	215	222	127	0	113	263	543	64	141	650	218
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1844	0	1748	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	7.1	6.6	8.2	4.2	0.0	4.0	9.2	5.4	1.9	5.0	7.3	6.0
Cycle Q Clear(g_c), s	7.1	6.6	8.2	4.2	0.0	4.0	9.2	5.4	1.9	5.0	7.3	6.0
Prop In Lane	1.00		1.00	0.20		0.37	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	417	438	372	256	0	242	358	1631	508	220	1234	685
V/C Ratio(X)	0.52	0.49	0.60	0.50	0.00	0.47	0.73	0.33	0.13	0.64	0.53	0.32
Avail Cap(c_a), veh/h	1154	1211	1030	1115	0	1057	1207	4537	1413	510	2538	1091
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	22.1	21.9	22.5	26.5	0.0	26.5	24.7	17.1	15.9	27.6	21.7	12.3
Incr Delay (d2), s/veh	1.0	0.9	1.5	1.5	0.0	1.4	2.9	0.1	0.1	3.1	0.4	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.6	3.5	3.7	2.3	0.0	2.0	4.7	2.5	0.8	2.6	3.5	3.6
LnGrp Delay(d),s/veh	23.1	22.7	24.0	28.0	0.0	27.9	27.6	17.2	16.0	30.7	22.1	12.6
LnGrp LOS	C	C	C	C		C	C	B	B	C	C	B
Approach Vol, veh/h		655			240			870			1009	
Approach Delay, s/veh		23.3			27.9			20.3			21.2	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	11.2	24.2		18.6	16.4	19.0		12.2
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	17.5	57.5		41.5	43.5	31.5		38.5
Max Q Clear Time (g_c+I1), s	7.0	7.4		10.2	11.2	9.3		6.2
Green Ext Time (p_c), s	0.2	4.3		3.8	0.8	5.2		1.5

Intersection Summary	
HCM 2010 Ctrl Delay	22.0
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	5	424	46	270	383	385	51	306	556	384	396	37
Future Volume (veh/h)	5	424	46	270	383	385	51	306	556	384	396	37
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	5	424	46	270	383	385	51	306	0	384	396	37
Adj No. of Lanes	1	2	0	1	1	1	1	2	1	2	1	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	275	499	54	453	476	405	66	1150	514	451	703	66
Arrive On Green	0.15	0.15	0.15	0.26	0.26	0.26	0.04	0.32	0.00	0.13	0.42	0.42
Sat Flow, veh/h	1774	3223	348	1774	1863	1583	1774	3539	1583	3442	1678	157
Grp Volume(v), veh/h	5	232	238	270	383	385	51	306	0	384	0	433
Grp Sat Flow(s),veh/h/ln	1774	1770	1801	1774	1863	1583	1774	1770	1583	1721	0	1835
Q Serve(g_s), s	0.3	17.1	17.3	18.0	25.9	32.2	3.8	8.6	0.0	14.7	0.0	24.1
Cycle Q Clear(g_c), s	0.3	17.1	17.3	18.0	25.9	32.2	3.8	8.6	0.0	14.7	0.0	24.1
Prop In Lane	1.00		0.19	1.00		1.00	1.00		1.00	1.00		0.09
Lane Grp Cap(c), veh/h	275	274	279	453	476	405	66	1150	514	451	0	769
V/C Ratio(X)	0.02	0.85	0.85	0.60	0.80	0.95	0.78	0.27	0.00	0.85	0.00	0.56
Avail Cap(c_a), veh/h	339	338	344	455	478	406	125	1150	514	653	0	769
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	48.2	55.3	55.3	43.9	46.9	49.2	64.2	33.5	0.0	57.1	0.0	29.7
Incr Delay (d2), s/veh	0.0	15.1	15.8	2.1	9.7	32.3	17.4	0.1	0.0	7.3	0.0	3.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	9.5	9.8	9.0	14.6	17.7	2.2	4.2	0.0	7.4	0.0	12.9
LnGrp Delay(d),s/veh	48.2	70.4	71.1	46.0	56.6	81.6	81.6	33.7	0.0	64.4	0.0	32.7
LnGrp LOS	D	E	E	D	E	F	F	C		E		C
Approach Vol, veh/h		475			1038			357			817	
Approach Delay, s/veh		70.5			63.1			40.5			47.6	
Approach LOS		E			E			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	22.1	48.2		25.3	9.5	60.8		38.8
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	25.5	40.3		25.7	9.5	56.3		34.5
Max Q Clear Time (g_c+I1), s	16.7	10.6		19.3	5.8	26.1		34.2
Green Ext Time (p_c), s	0.9	2.1		1.5	0.0	3.0		0.2

Intersection Summary	
HCM 2010 Ctrl Delay	56.7
HCM 2010 LOS	E

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	220	1220	46	349	895	332	137	200	471	138	108	111
Future Volume (veh/h)	220	1220	46	349	895	332	137	200	471	138	108	111
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	220	1220	46	349	895	0	137	200	194	138	108	42
Adj No. of Lanes	2	3	0	2	3	1	1	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	323	1848	70	451	2056	640	298	313	266	330	178	152
Arrive On Green	0.09	0.37	0.37	0.13	0.40	0.00	0.17	0.17	0.17	0.10	0.10	0.10
Sat Flow, veh/h	3442	5030	190	3442	5085	1583	1774	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	220	822	444	349	895	0	137	200	194	138	108	42
Grp Sat Flow(s),veh/h/ln	1721	1695	1829	1721	1695	1583	1774	1863	1583	1721	1863	1583
Q Serve(g_s), s	4.7	15.3	15.3	7.4	9.6	0.0	5.3	7.6	8.8	2.9	4.2	1.9
Cycle Q Clear(g_c), s	4.7	15.3	15.3	7.4	9.6	0.0	5.3	7.6	8.8	2.9	4.2	1.9
Prop In Lane	1.00		0.10	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	323	1245	672	451	2056	640	298	313	266	330	178	152
V/C Ratio(X)	0.68	0.66	0.66	0.77	0.44	0.00	0.46	0.64	0.73	0.42	0.61	0.28
Avail Cap(c_a), veh/h	751	2085	1125	615	2926	911	575	604	513	1024	554	471
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	33.2	20.0	20.0	31.8	16.3	0.0	28.4	29.3	29.8	32.2	32.8	31.8
Incr Delay (d2), s/veh	2.5	0.6	1.1	4.2	0.1	0.0	1.1	2.2	3.8	0.8	3.3	1.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.3	7.2	7.9	3.8	4.5	0.0	2.7	4.1	4.1	1.4	2.3	0.9
LnGrp Delay(d),s/veh	35.7	20.6	21.1	36.0	16.4	0.0	29.5	31.5	33.7	33.0	36.1	32.7
LnGrp LOS	D	C	C	D	B		C	C	C	C	D	C
Approach Vol, veh/h		1486			1244			531			288	
Approach Delay, s/veh		23.0			21.9			31.8			34.1	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		11.7	14.4	32.3		17.2	11.6	35.1
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		22.5	13.5	46.5		24.5	16.5	43.5
Max Q Clear Time (g_c+I1), s		6.2	9.4	17.3		10.8	6.7	11.6
Green Ext Time (p_c), s		1.0	0.5	10.5		1.9	0.5	7.4

Intersection Summary	
HCM 2010 Ctrl Delay	24.8
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	1267	527	22	3	95	94	13	15	11	236	14	784
Future Volume (veh/h)	1267	527	22	3	95	94	13	15	11	236	14	784
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1900	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	1377	573	24	3	95	94	13	15	11	246	0	784
Adj No. of Lanes	2	1	1	1	2	1	0	2	0	2	0	2
Peak Hour Factor	0.92	0.92	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	1517	996	847	7	347	155	45	53	39	521	0	1860
Arrive On Green	0.44	0.53	0.53	0.00	0.10	0.10	0.04	0.04	0.04	0.15	0.00	0.15
Sat Flow, veh/h	3442	1863	1583	1774	3539	1583	1146	1344	1001	3548	0	3167
Grp Volume(v), veh/h	1377	573	24	3	95	94	20	0	19	246	0	784
Grp Sat Flow(s),veh/h/ln	1721	1863	1583	1774	1770	1583	1805	0	1686	1774	0	1583
Q Serve(g_s), s	23.7	13.1	0.5	0.1	1.6	3.6	0.7	0.0	0.7	4.0	0.0	0.0
Cycle Q Clear(g_c), s	23.7	13.1	0.5	0.1	1.6	3.6	0.7	0.0	0.7	4.0	0.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	0.63		0.59	1.00		1.00
Lane Grp Cap(c), veh/h	1517	996	847	7	347	155	71	0	66	521	0	1860
V/C Ratio(X)	0.91	0.58	0.03	0.42	0.27	0.60	0.29	0.00	0.28	0.47	0.00	0.42
Avail Cap(c_a), veh/h	1517	996	847	140	1002	448	511	0	477	893	0	2192
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	16.6	9.9	7.0	31.6	26.6	27.5	29.7	0.0	29.7	24.9	0.0	7.2
Incr Delay (d2), s/veh	9.5	2.4	0.1	34.1	0.4	3.8	2.2	0.0	2.3	0.7	0.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	13.1	7.4	0.2	0.1	0.8	1.7	0.4	0.0	0.4	2.0	0.0	3.6
LnGrp Delay(d),s/veh	26.1	12.4	7.1	65.7	27.0	31.2	31.9	0.0	32.0	25.5	0.0	7.3
LnGrp LOS	C	B	A	E	C	C	C		C	C		A
Approach Vol, veh/h		1974			192			39			1030	
Approach Delay, s/veh		21.9			29.7			31.9			11.7	
Approach LOS		C			C			C			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		7.0	4.8	38.5		13.3	32.5	10.7
Change Period (Y+Rc), s		4.5	4.5	* 4.5		4.0	4.5	4.5
Max Green Setting (Gmax), s		18.0	5.0	* 34		16.0	20.5	18.0
Max Q Clear Time (g_c+I1), s		2.7	2.1	15.1		6.0	25.7	5.6
Green Ext Time (p_c), s		0.1	0.0	3.8		3.3	0.0	0.6

Intersection Summary	
HCM 2010 Ctrl Delay	19.2
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

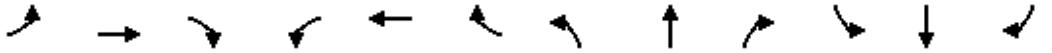
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	419	10	496	5	6	5	1026	324	11	14	531	76
Future Volume (veh/h)	419	10	496	5	6	5	1026	324	11	14	531	76
Number	3	8	18	7	4	14	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1900	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	502	0	172	5	6	5	1026	324	11	14	531	76
Adj No. of Lanes	2	0	1	0	1	0	2	2	0	1	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	670	0	299	10	12	10	1209	1874	63	30	715	320
Arrive On Green	0.19	0.00	0.19	0.02	0.02	0.02	0.35	0.54	0.54	0.02	0.20	0.20
Sat Flow, veh/h	3548	0	1583	544	652	544	3442	3493	118	1774	3539	1583
Grp Volume(v), veh/h	502	0	172	16	0	0	1026	164	171	14	531	76
Grp Sat Flow(s),veh/h/ln	1774	0	1583	1740	0	0	1721	1770	1842	1774	1770	1583
Q Serve(g_s), s	10.1	0.0	7.4	0.7	0.0	0.0	20.8	3.6	3.6	0.6	10.6	3.0
Cycle Q Clear(g_c), s	10.1	0.0	7.4	0.7	0.0	0.0	20.8	3.6	3.6	0.6	10.6	3.0
Prop In Lane	1.00		1.00	0.31		0.31	1.00		0.06	1.00		1.00
Lane Grp Cap(c), veh/h	670	0	299	33	0	0	1209	949	988	30	715	320
V/C Ratio(X)	0.75	0.00	0.58	0.49	0.00	0.00	0.85	0.17	0.17	0.47	0.74	0.24
Avail Cap(c_a), veh/h	1201	0	536	416	0	0	1668	1257	1308	118	1034	462
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	28.9	0.0	27.8	36.6	0.0	0.0	22.6	8.9	8.9	36.7	28.2	25.2
Incr Delay (d2), s/veh	1.7	0.0	1.7	10.7	0.0	0.0	3.2	0.1	0.1	10.9	1.7	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.1	0.0	3.4	0.4	0.0	0.0	10.4	1.8	1.8	0.4	5.3	1.4
LnGrp Delay(d),s/veh	30.6	0.0	29.6	47.3	0.0	0.0	25.7	9.0	9.0	47.6	29.9	25.6
LnGrp LOS	C		C	D			C	A	A	D	C	C
Approach Vol, veh/h		674			16			1361			621	
Approach Delay, s/veh		30.3			47.3			21.6			29.8	
Approach LOS		C			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	5.8	44.9		5.9	31.0	19.7		18.7
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	5.0	53.5		18.0	36.5	22.0		25.5
Max Q Clear Time (g_c+I1), s	2.6	5.6		2.7	22.8	12.6		12.1
Green Ext Time (p_c), s	0.0	2.1		0.0	3.7	2.6		2.1

Intersection Summary	
HCM 2010 Ctrl Delay	25.9
HCM 2010 LOS	C

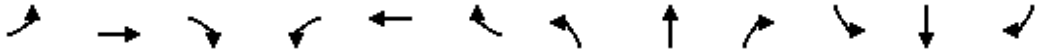
Notes

User approved volume balancing among the lanes for turning movement.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	25	163	64	155	91	67	0	908	163	115	862	23
Future Volume (vph)	25	163	64	155	91	67	0	908	163	115	862	23
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		3.0	3.0		3.0	3.0		3.0	3.0		3.0	
Lane Util. Factor		1.00	1.00		1.00	1.00		0.95	1.00		0.95	
Frt		1.00	0.85		1.00	0.85		1.00	0.85		1.00	
Flt Protected		0.99	1.00		0.97	1.00		1.00	1.00		0.99	
Satd. Flow (prot)		1850	1583		1806	1583		3539	1583		3507	
Flt Permitted		0.94	1.00		0.59	1.00		1.00	1.00		0.71	
Satd. Flow (perm)		1754	1583		1100	1583		3539	1583		2519	
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	25	163	64	155	91	67	0	908	163	115	862	23
RTOR Reduction (vph)	0	0	46	0	0	43	0	0	58	0	2	0
Lane Group Flow (vph)	0	188	18	0	246	24	0	908	105	0	998	0
Turn Type	Perm	NA	Perm	Perm	NA	Perm		NA	Perm	Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4		4	8		8			2	6		
Actuated Green, G (s)		24.5	24.5		24.5	24.5		56.5	56.5		56.5	
Effective Green, g (s)		26.0	26.0		26.0	26.0		58.0	58.0		58.0	
Actuated g/C Ratio		0.29	0.29		0.29	0.29		0.64	0.64		0.64	
Clearance Time (s)		4.5	4.5		4.5	4.5		4.5	4.5		4.5	
Lane Grp Cap (vph)		506	457		317	457		2280	1020		1623	
v/s Ratio Prot								0.26				
v/s Ratio Perm		0.11	0.01		c0.22	0.01			0.07		c0.40	
v/c Ratio		0.37	0.04		0.78	0.05		0.40	0.10		0.62	
Uniform Delay, d1		25.5	23.0		29.3	23.1		7.7	6.1		9.4	
Progression Factor		1.00	1.00		1.00	1.00		1.00	1.00		1.00	
Incremental Delay, d2		2.1	0.2		16.9	0.2		0.5	0.2		1.8	
Delay (s)		27.6	23.2		46.2	23.3		8.2	6.3		11.2	
Level of Service		C	C		D	C		A	A		B	
Approach Delay (s)		26.5			41.3			7.9			11.2	
Approach LOS		C			D			A			B	

Intersection Summary			
HCM 2000 Control Delay	14.9	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.66		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	6.0
Intersection Capacity Utilization	89.7%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	1387	561	271	628	0	0	0	0	400	21	920
Future Volume (vph)	0	1387	561	271	628	0	0	0	0	400	21	920
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.5	4.5	4.5	4.5						4.5	4.5
Lane Util. Factor		0.86	0.86	0.97	0.95						1.00	0.76
Frt		0.99	0.85	1.00	1.00						1.00	0.85
Flt Protected		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (prot)		4747	1362	3433	3539						1778	3610
Flt Permitted		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (perm)		4747	1362	3433	3539						1778	3610
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	0	1387	561	271	628	0	0	0	0	400	21	920
RTOR Reduction (vph)	0	8	137	0	0	0	0	0	0	0	0	13
Lane Group Flow (vph)	0	1502	301	271	628	0	0	0	0	0	421	907
Turn Type		NA	Perm	Prot	NA					Split	NA	custom
Protected Phases		2		3	8					6	6	2 6
Permitted Phases			2									
Actuated Green, G (s)		40.8	40.8	23.5	23.5						35.2	80.5
Effective Green, g (s)		40.8	40.8	23.5	23.5						35.2	80.5
Actuated g/C Ratio		0.36	0.36	0.21	0.21						0.31	0.71
Clearance Time (s)		4.5	4.5	4.5	4.5						4.5	
Vehicle Extension (s)		3.0	3.0	3.0	3.0						3.0	
Lane Grp Cap (vph)		1713	491	713	735						553	2571
v/s Ratio Prot		c0.32		0.08	c0.18						c0.24	0.25
v/s Ratio Perm			0.22									
v/c Ratio		0.88	0.61	0.38	0.85						0.76	0.35
Uniform Delay, d1		33.8	29.6	38.5	43.1						35.1	6.2
Progression Factor		1.00	1.00	1.00	1.00						1.00	1.00
Incremental Delay, d2		6.7	5.6	0.3	9.5						6.1	0.1
Delay (s)		40.4	35.2	38.8	52.6						41.2	6.3
Level of Service		D	D	D	D						D	A
Approach Delay (s)		39.3			48.5			0.0			17.3	
Approach LOS		D			D			A			B	

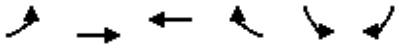
Intersection Summary					
HCM 2000 Control Delay	34.2	HCM 2000 Level of Service	C		
HCM 2000 Volume to Capacity ratio	0.83				
Actuated Cycle Length (s)	113.0	Sum of lost time (s)	13.5		
Intersection Capacity Utilization	73.2%	ICU Level of Service	D		
Analysis Period (min)	15				

c Critical Lane Group

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	648	0	0	444	799	94
Future Volume (veh/h)	648	0	0	444	799	94
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	1863	1863	1863
Adj Flow Rate, veh/h	648	0	0	444	799	61
Adj No. of Lanes	2	1	0	2	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	0	2	2	2
Cap, veh/h	1409	630	0	1409	1393	641
Arrive On Green	0.40	0.00	0.00	0.40	0.40	0.40
Sat Flow, veh/h	3632	1583	0	3725	3442	1583
Grp Volume(v), veh/h	648	0	0	444	799	61
Grp Sat Flow(s),veh/h/ln	1770	1583	0	1770	1721	1583
Q Serve(g_s), s	4.1	0.0	0.0	2.6	5.5	0.7
Cycle Q Clear(g_c), s	4.1	0.0	0.0	2.6	5.5	0.7
Prop In Lane		1.00	0.00		1.00	1.00
Lane Grp Cap(c), veh/h	1409	630	0	1409	1393	641
V/C Ratio(X)	0.46	0.00	0.00	0.32	0.57	0.10
Avail Cap(c_a), veh/h	3374	1509	0	3374	3394	1561
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	6.7	0.0	0.0	6.3	7.0	5.6
Incr Delay (d2), s/veh	0.2	0.0	0.0	0.1	0.4	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.0	0.0	0.0	1.3	2.6	0.3
LnGrp Delay(d),s/veh	7.0	0.0	0.0	6.4	7.4	5.7
LnGrp LOS	A			A	A	A
Approach Vol, veh/h	648			444	860	
Approach Delay, s/veh	7.0			6.4	7.3	
Approach LOS	A			A	A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		15.3		15.1				15.1
Change Period (Y+Rc), s		4.5		4.5				4.5
Max Green Setting (Gmax), s		28.5		27.5				27.5
Max Q Clear Time (g_c+I1), s		7.5		6.1				4.6
Green Ext Time (p_c), s		3.3		4.5				3.0

Intersection Summary	
HCM 2010 Ctrl Delay	7.0
HCM 2010 LOS	A



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	1211	1190	0	406	921
Future Volume (veh/h)	0	1211	1190	0	406	921
Number	7	4	8	18	1	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	0	1211	1190	0	406	905
Adj No. of Lanes	0	3	3	0	1	2
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	0	2	2	2	2	2
Cap, veh/h	0	2315	2315	0	755	1347
Arrive On Green	0.00	0.46	0.46	0.00	0.43	0.43
Sat Flow, veh/h	0	5421	5421	0	1774	3167
Grp Volume(v), veh/h	0	1211	1190	0	406	905
Grp Sat Flow(s),veh/h/ln	0	1695	1695	0	1774	1583
Q Serve(g_s), s	0.0	8.6	8.4	0.0	8.6	11.6
Cycle Q Clear(g_c), s	0.0	8.6	8.4	0.0	8.6	11.6
Prop In Lane	0.00			0.00	1.00	1.00
Lane Grp Cap(c), veh/h	0	2315	2315	0	755	1347
V/C Ratio(X)	0.00	0.52	0.51	0.00	0.54	0.67
Avail Cap(c_a), veh/h	0	4446	4446	0	2292	4090
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	9.8	9.7	0.0	10.8	11.6
Incr Delay (d2), s/veh	0.0	0.2	0.2	0.0	0.6	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	4.0	3.9	0.0	4.3	5.1
LnGrp Delay(d),s/veh	0.0	10.0	9.9	0.0	11.4	12.2
LnGrp LOS		A	A		B	B
Approach Vol, veh/h		1211	1190		1311	
Approach Delay, s/veh		10.0	9.9		12.0	
Approach LOS		A	A		B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs				4		6		8
Phs Duration (G+Y+Rc), s				25.9		24.4		25.9
Change Period (Y+Rc), s				4.5		4.5		4.5
Max Green Setting (Gmax), s				42.5		63.5		42.5
Max Q Clear Time (g_c+I1), s				10.6		13.6		10.4
Green Ext Time (p_c), s				10.8		6.3		10.6

Intersection Summary	
HCM 2010 Ctrl Delay	10.7
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	189	1087	354	314	1565	317	456	86	528	569	99	372
Future Volume (veh/h)	189	1087	354	314	1565	317	456	86	528	569	99	372
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	189	1087	193	314	1565	66	456	86	314	569	99	345
Adj No. of Lanes	1	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	238	1335	416	758	1773	552	559	303	606	863	467	397
Arrive On Green	0.13	0.26	0.26	0.22	0.35	0.35	0.16	0.16	0.16	0.25	0.25	0.25
Sat Flow, veh/h	1774	5085	1583	3442	5085	1583	3442	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	189	1087	193	314	1565	66	456	86	314	569	99	345
Grp Sat Flow(s),veh/h/ln	1774	1695	1583	1721	1695	1583	1721	1863	1583	1721	1863	1583
Q Serve(g_s), s	11.9	23.1	11.8	9.0	33.4	3.3	14.7	4.7	0.0	17.1	4.8	24.1
Cycle Q Clear(g_c), s	11.9	23.1	11.8	9.0	33.4	3.3	14.7	4.7	0.0	17.1	4.8	24.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	238	1335	416	758	1773	552	559	303	606	863	467	397
V/C Ratio(X)	0.79	0.81	0.46	0.41	0.88	0.12	0.82	0.28	0.52	0.66	0.21	0.87
Avail Cap(c_a), veh/h	262	1425	444	767	1809	563	579	314	615	914	494	420
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	48.4	39.9	35.7	38.6	35.3	25.5	46.6	42.4	27.4	38.8	34.2	41.4
Incr Delay (d2), s/veh	14.3	3.6	0.8	0.4	5.5	0.1	8.6	0.5	0.7	1.6	0.2	16.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.8	11.2	5.2	4.3	16.5	1.4	7.7	2.5	7.8	8.3	2.5	12.3
LnGrp Delay(d),s/veh	62.7	43.4	36.5	38.9	40.8	25.6	55.2	42.9	28.1	40.4	34.4	58.2
LnGrp LOS	E	D	D	D	D	C	E	D	C	D	C	E
Approach Vol, veh/h		1469			1945			856			1013	
Approach Delay, s/veh		45.0			40.0			44.0			45.9	
Approach LOS		D			D			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		31.9	28.4	33.2		21.7	18.5	43.2
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		29.1	24.2	30.8		17.9	15.5	39.5
Max Q Clear Time (g_c+I1), s		26.1	11.0	25.1		16.7	13.9	35.4
Green Ext Time (p_c), s		1.3	0.9	3.6		0.5	0.1	3.3

Intersection Summary	
HCM 2010 Ctrl Delay	43.2
HCM 2010 LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	132	339	37	614	666	1196	59	703	765	784	812	66
Future Volume (veh/h)	132	339	37	614	666	1196	59	703	765	784	812	66
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.89	1.00		0.90	1.00		0.96	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	132	339	37	614	666	1112	59	703	721	784	812	66
Adj No. of Lanes	1	2	0	3	2	1	1	3	1	2	3	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	166	861	93	666	1099	825	75	1214	575	830	2093	169
Arrive On Green	0.09	0.27	0.27	0.13	0.31	0.31	0.04	0.24	0.24	0.24	0.44	0.44
Sat Flow, veh/h	1774	3179	343	5003	3539	1429	1774	5085	1527	3442	4786	387
Grp Volume(v), veh/h	132	187	189	614	666	1112	59	703	721	784	574	304
Grp Sat Flow(s),veh/h/ln	1774	1770	1752	1668	1770	1429	1774	1695	1527	1721	1695	1783
Q Serve(g_s), s	11.3	13.3	13.7	18.8	24.8	48.1	5.1	18.9	37.0	34.7	17.8	17.9
Cycle Q Clear(g_c), s	11.3	13.3	13.7	18.8	24.8	48.1	5.1	18.9	37.0	34.7	17.8	17.9
Prop In Lane	1.00		0.20	1.00		1.00	1.00		1.00	1.00		0.22
Lane Grp Cap(c), veh/h	166	480	475	666	1099	825	75	1214	575	830	1483	780
V/C Ratio(X)	0.80	0.39	0.40	0.92	0.61	1.35	0.78	0.58	1.25	0.94	0.39	0.39
Avail Cap(c_a), veh/h	203	480	475	666	1099	825	121	1214	575	855	1483	780
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.46	0.46	0.46	0.67	0.67	0.67	1.00	1.00	1.00
Uniform Delay (d), s/veh	68.8	46.1	46.2	66.4	45.4	35.8	73.5	52.1	48.9	57.8	29.5	29.6
Incr Delay (d2), s/veh	16.3	2.4	2.5	10.0	1.2	160.0	11.3	1.4	123.5	18.5	0.8	1.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.3	6.9	6.9	9.3	12.3	71.9	2.7	9.0	44.4	18.7	8.4	9.2
LnGrp Delay(d),s/veh	85.1	48.4	48.7	76.4	46.5	195.9	84.8	53.5	172.5	76.3	30.3	31.0
LnGrp LOS	F	D	D	E	D	F	F	D	F	E	C	C
Approach Vol, veh/h		508			2392			1483			1662	
Approach Delay, s/veh		58.0			123.6			112.6			52.2	
Approach LOS		E			F			F			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	41.9	41.5	25.1	46.5	11.1	72.3	19.0	52.6
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	38.5	37.0	19.5	42.0	10.6	64.9	17.7	43.8
Max Q Clear Time (g_c+I1), s	36.7	39.0	20.8	15.7	7.1	19.9	13.3	50.1
Green Ext Time (p_c), s	0.7	0.0	0.0	2.3	0.0	7.1	0.1	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	95.8
HCM 2010 LOS	F

Notes

User approved changes to right turn type.

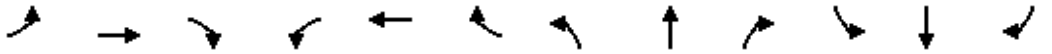
Intersection	
Int Delay, s/veh	6.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	90	0	208	10	12	3	159	267	1	0	123	159
Future Vol, veh/h	90	0	208	10	12	3	159	267	1	0	123	159
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	-	-	-	50	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	90	0	208	10	12	3	159	267	1	0	123	159

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	796	789	203	893	868	268	282	0	0	268	0	0
Stage 1	203	203	-	586	586	-	-	-	-	-	-	-
Stage 2	593	586	-	307	282	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	305	323	838	262	290	771	1280	-	-	1296	-	-
Stage 1	799	733	-	496	497	-	-	-	-	-	-	-
Stage 2	492	497	-	703	678	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	265	283	838	178	254	771	1280	-	-	1296	-	-
Mov Cap-2 Maneuver	265	283	-	178	254	-	-	-	-	-	-	-
Stage 1	700	733	-	434	435	-	-	-	-	-	-	-
Stage 2	417	435	-	529	678	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	15.1	22.3	3.1	0
HCM LOS	C	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1280	-	-	265	838	233	1296	-	-
HCM Lane V/C Ratio	0.124	-	-	0.34	0.248	0.107	-	-	-
HCM Control Delay (s)	8.2	-	-	25.4	10.7	22.3	0	-	-
HCM Lane LOS	A	-	-	D	B	C	A	-	-
HCM 95th %tile Q(veh)	0.4	-	-	1.4	1	0.4	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	263	90	73	52	100	288	76	914	51	275	1177	239
Future Volume (veh/h)	263	90	73	52	100	288	76	914	51	275	1177	239
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	263	90	73	52	100	288	76	914	51	275	1177	239
Adj No. of Lanes	1	1	0	0	2	1	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	328	176	143	134	634	338	107	1307	407	325	1931	601
Arrive On Green	0.18	0.18	0.18	0.21	0.21	0.21	0.06	0.26	0.26	0.18	0.38	0.38
Sat Flow, veh/h	1774	953	773	627	2974	1583	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	263	0	163	152	0	288	76	914	51	275	1177	239
Grp Sat Flow(s),veh/h/ln	1774	0	1726	1831	1770	1583	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	14.0	0.0	8.4	7.0	0.0	17.3	4.2	16.1	2.4	14.8	18.4	10.9
Cycle Q Clear(g_c), s	14.0	0.0	8.4	7.0	0.0	17.3	4.2	16.1	2.4	14.8	18.4	10.9
Prop In Lane	1.00		0.45	0.34		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	328	0	319	390	377	338	107	1307	407	325	1931	601
V/C Ratio(X)	0.80	0.00	0.51	0.39	0.00	0.85	0.71	0.70	0.13	0.85	0.61	0.40
Avail Cap(c_a), veh/h	683	0	665	529	511	457	252	2036	634	683	3272	1019
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	38.5	0.0	36.3	33.3	0.0	37.3	45.5	33.2	28.1	39.0	24.7	22.4
Incr Delay (d2), s/veh	4.6	0.0	1.3	0.6	0.0	11.1	8.4	0.7	0.1	6.1	0.3	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.3	0.0	4.1	3.6	0.0	8.6	2.3	7.6	1.1	7.8	8.7	4.9
LnGrp Delay(d),s/veh	43.1	0.0	37.6	33.9	0.0	48.5	53.9	33.9	28.3	45.1	25.0	22.8
LnGrp LOS	D		D	C		D	D	C	C	D	C	C
Approach Vol, veh/h		426			440			1041			1691	
Approach Delay, s/veh		41.0			43.4			35.1			28.0	
Approach LOS		D			D			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	22.1	29.4		22.2	10.0	41.5		25.0
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	37.5	39.0		37.5	13.5	63.0		28.0
Max Q Clear Time (g_c+I1), s	16.8	18.1		16.0	6.2	20.4		19.3
Green Ext Time (p_c), s	0.8	6.8		1.7	0.1	12.7		1.3

Intersection Summary	
HCM 2010 Ctrl Delay	33.5
HCM 2010 LOS	C

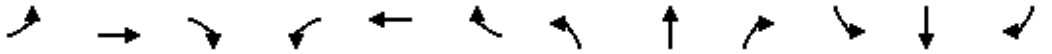
Intersection	
Int Delay, s/veh	6.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	71	0	232	3	4	1	218	356	0	0	210	131
Future Vol, veh/h	71	0	232	3	4	1	218	356	0	0	210	131
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	-	0	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	71	0	232	3	4	1	218	356	0	0	210	131

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1071	1068	276	1184	1133	356	341	0	0	356	0	0
Stage 1	276	276	-	792	792	-	-	-	-	-	-	-
Stage 2	795	792	-	392	341	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	198	222	763	166	203	688	1218	-	-	1203	-	-
Stage 1	730	682	-	382	401	-	-	-	-	-	-	-
Stage 2	381	401	-	633	639	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	168	182	763	100	167	688	1218	-	-	1203	-	-
Mov Cap-2 Maneuver	168	182	-	100	167	-	-	-	-	-	-	-
Stage 1	599	682	-	314	329	-	-	-	-	-	-	-
Stage 2	309	329	-	441	639	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	18.7	31.5	3.3	0
HCM LOS	C	D		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1218	-	-	168	763	144	1203	-	-
HCM Lane V/C Ratio	0.179	-	-	0.423	0.304	0.056	-	-	-
HCM Control Delay (s)	8.6	-	-	41.3	11.8	31.5	0	-	-
HCM Lane LOS	A	-	-	E	B	D	A	-	-
HCM 95th %tile Q(veh)	0.7	-	-	1.9	1.3	0.2	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	296	176	233	52	258	86	236	740	40	87	814	206
Future Volume (veh/h)	296	176	233	52	258	86	236	740	40	87	814	206
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	235	261	233	52	258	86	236	740	26	87	814	206
Adj No. of Lanes	1	2	0	0	2	0	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	404	425	361	82	418	146	313	1841	573	145	1359	803
Arrive On Green	0.23	0.23	0.22	0.17	0.18	0.16	0.18	0.36	0.36	0.08	0.27	0.27
Sat Flow, veh/h	1774	1863	1583	452	2306	803	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	235	261	233	212	0	184	236	740	26	87	814	206
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1840	0	1721	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	9.6	10.3	10.9	8.7	0.0	8.1	10.3	8.9	0.9	3.9	11.4	6.0
Cycle Q Clear(g_c), s	9.6	10.3	10.9	8.7	0.0	8.1	10.3	8.9	0.9	3.9	11.4	6.0
Prop In Lane	1.00		1.00	0.25		0.47	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	404	425	361	334	0	312	313	1841	573	145	1359	803
V/C Ratio(X)	0.58	0.61	0.65	0.63	0.00	0.59	0.75	0.40	0.05	0.60	0.60	0.26
Avail Cap(c_a), veh/h	869	913	776	868	0	812	869	3832	1193	456	2648	1205
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	28.0	28.3	28.8	31.0	0.0	31.0	31.9	19.4	16.9	36.2	26.1	11.4
Incr Delay (d2), s/veh	1.3	1.4	1.9	2.0	0.0	1.8	3.7	0.1	0.0	3.9	0.4	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.8	5.5	4.9	4.6	0.0	4.0	5.4	4.1	0.4	2.0	5.4	3.9
LnGrp Delay(d),s/veh	29.4	29.7	30.7	33.0	0.0	32.8	35.6	19.6	16.9	40.1	26.5	11.6
LnGrp LOS	C	C	C	C		C	D	B	B	D	C	B
Approach Vol, veh/h		729			396			1002			1107	
Approach Delay, s/veh		29.9			32.9			23.3			24.8	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	9.7	32.5		21.6	17.4	24.8		17.8
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	19.5	60.0		38.5	38.5	41.0		37.0
Max Q Clear Time (g_c+I1), s	5.9	10.9		12.9	12.3	13.4		10.7
Green Ext Time (p_c), s	0.1	6.0		4.2	0.7	6.9		2.6

Intersection Summary	
HCM 2010 Ctrl Delay	26.5
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	15	356	66	358	566	641	126	380	441	417	396	55
Future Volume (veh/h)	15	356	66	358	566	641	126	380	441	417	396	55
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	15	356	66	358	566	641	126	380	0	417	396	55
Adj No. of Lanes	1	2	0	1	1	1	1	2	1	2	1	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	213	358	66	649	681	579	122	1013	453	470	567	79
Arrive On Green	0.12	0.12	0.12	0.37	0.37	0.37	0.07	0.29	0.00	0.14	0.35	0.35
Sat Flow, veh/h	1774	2987	548	1774	1863	1583	1774	3539	1583	3442	1601	222
Grp Volume(v), veh/h	15	209	213	358	566	641	126	380	0	417	0	451
Grp Sat Flow(s),veh/h/ln	1774	1770	1766	1774	1863	1583	1774	1770	1583	1721	0	1824
Q Serve(g_s), s	1.3	20.7	21.0	28.1	48.4	64.0	12.0	15.0	0.0	20.8	0.0	37.1
Cycle Q Clear(g_c), s	1.3	20.7	21.0	28.1	48.4	64.0	12.0	15.0	0.0	20.8	0.0	37.1
Prop In Lane	1.00		0.31	1.00		1.00	1.00		1.00	1.00		0.12
Lane Grp Cap(c), veh/h	213	212	212	649	681	579	122	1013	453	470	0	646
V/C Ratio(X)	0.07	0.99	1.00	0.55	0.83	1.11	1.04	0.38	0.00	0.89	0.00	0.70
Avail Cap(c_a), veh/h	213	212	212	649	681	579	122	1013	453	531	0	646
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	68.3	76.9	77.1	44.1	50.6	55.5	81.5	49.9	0.0	74.2	0.0	48.5
Incr Delay (d2), s/veh	0.1	57.7	62.6	1.0	8.6	70.2	91.5	1.1	0.0	15.3	0.0	6.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	13.5	13.9	13.9	26.6	39.3	9.0	7.5	0.0	10.9	0.0	19.8
LnGrp Delay(d),s/veh	68.5	134.5	139.7	45.1	59.1	125.7	173.5	51.0	0.0	89.5	0.0	54.7
LnGrp LOS	E	F	F	D	E	F	F	D		F		D
Approach Vol, veh/h		437			1565			506			868	
Approach Delay, s/veh		134.8			83.2			81.5			71.4	
Approach LOS		F			F			F			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	27.9	54.1		25.0	16.0	66.0		68.0
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	26.5	46.5		20.5	11.5	61.5		63.5
Max Q Clear Time (g_c+I1), s	23.8	17.0		23.0	14.0	39.1		66.0
Green Ext Time (p_c), s	0.6	2.7		0.0	0.0	2.9		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	86.6
HCM 2010 LOS	F

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	185	966	70	603	1242	158	51	69	260	343	243	230
Future Volume (veh/h)	185	966	70	603	1242	158	51	69	260	343	243	230
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	185	966	70	603	1242	0	51	69	-17	343	243	161
Adj No. of Lanes	2	3	0	2	3	1	1	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	299	1445	104	773	2218	691	117	123	105	673	364	310
Arrive On Green	0.09	0.30	0.29	0.22	0.44	0.00	0.07	0.07	0.00	0.20	0.20	0.20
Sat Flow, veh/h	3442	4841	350	3442	5085	1583	1774	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	185	676	360	603	1242	0	51	69	-17	343	243	161
Grp Sat Flow(s),veh/h/ln	1721	1695	1801	1721	1695	1583	1774	1863	1583	1721	1863	1583
Q Serve(g_s), s	3.9	13.0	13.0	12.2	13.5	0.0	2.1	2.7	0.0	6.6	9.0	6.8
Cycle Q Clear(g_c), s	3.9	13.0	13.0	12.2	13.5	0.0	2.1	2.7	0.0	6.6	9.0	6.8
Prop In Lane	1.00		0.19	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	299	1012	537	773	2218	691	117	123	105	673	364	310
V/C Ratio(X)	0.62	0.67	0.67	0.78	0.56	0.00	0.44	0.56	-0.16	0.51	0.67	0.52
Avail Cap(c_a), veh/h	509	1505	799	1296	3420	1065	453	476	405	1343	727	618
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	32.8	22.9	22.9	27.1	15.6	0.0	33.4	33.7	0.0	26.7	27.7	26.8
Incr Delay (d2), s/veh	2.1	0.8	1.5	1.8	0.2	0.0	2.5	4.0	0.0	0.6	2.1	1.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.9	6.1	6.7	6.0	6.4	0.0	1.1	1.5	0.0	3.2	4.8	3.1
LnGrp Delay(d),s/veh	34.8	23.6	24.4	28.8	15.9	0.0	35.9	37.6	0.0	27.3	29.8	28.1
LnGrp LOS	C	C	C	C	B		D	D		C	C	C
Approach Vol, veh/h		1221			1845			103			747	
Approach Delay, s/veh		25.5			20.1			43.0			28.3	
Approach LOS		C			C			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		18.5	20.7	26.2		8.9	10.5	36.4
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		28.5	27.5	32.5		18.5	10.5	49.5
Max Q Clear Time (g_c+I1), s		11.0	14.2	15.0		4.7	5.9	15.5
Green Ext Time (p_c), s		3.1	2.0	6.6		0.3	0.2	11.4

Intersection Summary	
HCM 2010 Ctrl Delay	24.0
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	938	266	14	3	245	165	12	12	6	173	8	1224
Future Volume (veh/h)	938	266	14	3	245	165	12	12	6	173	8	1224
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1900	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	1020	289	15	3	245	165	12	12	6	179	0	1224
Adj No. of Lanes	2	1	1	1	2	1	0	2	0	2	0	2
Peak Hour Factor	0.92	0.92	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	1167	1036	880	20	835	373	54	56	29	533	0	1572
Arrive On Green	0.34	0.56	0.56	0.01	0.24	0.24	0.04	0.04	0.03	0.15	0.00	0.16
Sat Flow, veh/h	3442	1863	1583	1774	3539	1583	1369	1430	729	3548	0	3167
Grp Volume(v), veh/h	1020	289	15	3	245	165	16	0	14	179	0	1224
Grp Sat Flow(s),veh/h/ln	1721	1863	1583	1774	1770	1583	1794	0	1734	1774	0	1583
Q Serve(g_s), s	18.9	5.5	0.3	0.1	3.9	6.0	0.6	0.0	0.5	3.1	0.0	0.0
Cycle Q Clear(g_c), s	18.9	5.5	0.3	0.1	3.9	6.0	0.6	0.0	0.5	3.1	0.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	0.76		0.42	1.00		1.00
Lane Grp Cap(c), veh/h	1167	1036	880	20	835	373	70	0	68	533	0	1572
V/C Ratio(X)	0.87	0.28	0.02	0.15	0.29	0.44	0.22	0.00	0.21	0.34	0.00	0.78
Avail Cap(c_a), veh/h	1167	1036	880	144	835	373	489	0	473	863	0	1867
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	21.1	7.9	6.8	33.2	21.3	22.1	31.6	0.0	31.7	25.8	0.0	14.0
Incr Delay (d2), s/veh	9.2	0.7	0.0	3.3	0.9	3.8	1.6	0.0	1.5	0.4	0.0	1.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	10.4	3.0	0.1	0.1	2.0	3.0	0.3	0.0	0.3	1.5	0.0	9.6
LnGrp Delay(d),s/veh	30.3	8.6	6.8	36.5	22.2	25.9	33.2	0.0	33.2	26.2	0.0	15.8
LnGrp LOS	C	A	A	D	C	C	C		C	C		B
Approach Vol, veh/h		1324			413			30			1403	
Approach Delay, s/veh		25.3			23.8			33.2			17.2	
Approach LOS		C			C			C			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		6.7	4.8	42.2		14.2	27.0	20.0
Change Period (Y+Rc), s		4.5	4.5	* 4.5		4.0	4.5	4.0
Max Green Setting (Gmax), s		18.0	5.0	* 34		16.5	22.5	16.0
Max Q Clear Time (g_c+I1), s		2.6	2.1	7.5		5.1	20.9	8.0
Green Ext Time (p_c), s		0.1	0.0	1.8		5.1	0.8	1.3

Intersection Summary	
HCM 2010 Ctrl Delay	21.6
HCM 2010 LOS	C

Notes

User approved pedestrian interval to be less than phase max green.
User approved volume balancing among the lanes for turning movement.
* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

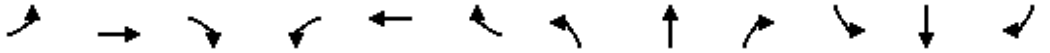
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	219	13	542	20	13	8	796	282	21	11	834	227
Future Volume (veh/h)	219	13	542	20	13	8	796	282	21	11	834	227
Number	3	8	18	7	4	14	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1900	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	278	0	120	20	13	8	796	282	21	11	834	227
Adj No. of Lanes	2	0	1	0	1	0	2	2	0	1	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	453	0	202	41	26	16	974	1882	139	38	1068	478
Arrive On Green	0.13	0.00	0.13	0.05	0.05	0.04	0.28	0.56	0.56	0.02	0.30	0.30
Sat Flow, veh/h	3548	0	1583	858	558	343	3442	3341	247	1774	3539	1583
Grp Volume(v), veh/h	278	0	120	41	0	0	796	149	154	11	834	227
Grp Sat Flow(s),veh/h/ln	1774	0	1583	1759	0	0	1721	1770	1819	1774	1770	1583
Q Serve(g_s), s	4.9	0.0	4.8	1.5	0.0	0.0	14.4	2.7	2.7	0.4	14.3	7.8
Cycle Q Clear(g_c), s	4.9	0.0	4.8	1.5	0.0	0.0	14.4	2.7	2.7	0.4	14.3	7.8
Prop In Lane	1.00		1.00	0.49		0.20	1.00		0.14	1.00		1.00
Lane Grp Cap(c), veh/h	453	0	202	83	0	0	974	997	1025	38	1068	478
V/C Ratio(X)	0.61	0.00	0.59	0.49	0.00	0.00	0.82	0.15	0.15	0.29	0.78	0.48
Avail Cap(c_a), veh/h	985	0	440	488	0	0	1240	1102	1133	146	1222	547
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	27.5	0.0	27.4	31.0	0.0	0.0	22.3	6.9	7.0	32.1	21.2	19.0
Incr Delay (d2), s/veh	1.4	0.0	2.8	4.4	0.0	0.0	3.5	0.1	0.1	4.2	2.9	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.5	0.0	2.2	0.8	0.0	0.0	7.2	1.3	1.4	0.2	7.4	3.5
LnGrp Delay(d),s/veh	28.9	0.0	30.2	35.4	0.0	0.0	25.8	7.0	7.0	36.3	24.2	19.7
LnGrp LOS	C		C	D			C	A	A	D	C	B
Approach Vol, veh/h		398			41			1099			1072	
Approach Delay, s/veh		29.3			35.4			20.6			23.3	
Approach LOS		C			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	5.4	41.5		7.2	22.8	24.1		12.5
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	5.0	41.0		18.0	23.5	22.5		18.0
Max Q Clear Time (g_c+I1), s	2.4	4.7		3.5	16.4	16.3		6.9
Green Ext Time (p_c), s	0.0	1.9		0.1	2.0	3.3		1.1

Intersection Summary	
HCM 2010 Ctrl Delay	23.3
HCM 2010 LOS	C

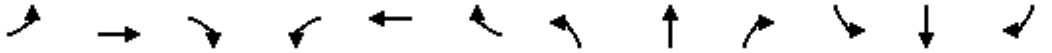
Notes

User approved volume balancing among the lanes for turning movement.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	17	117	34	154	80	67	2	981	174	119	847	34
Future Volume (vph)	17	117	34	154	80	67	2	981	174	119	847	34
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		3.0	3.0		3.0	3.0		3.0	3.0		3.0	
Lane Util. Factor		1.00	1.00		1.00	1.00		0.95	1.00		0.95	
Frt		1.00	0.85		1.00	0.85		1.00	0.85		0.99	
Flt Protected		0.99	1.00		0.97	1.00		1.00	1.00		0.99	
Satd. Flow (prot)		1851	1583		1803	1583		3539	1583		3500	
Flt Permitted		0.95	1.00		0.67	1.00		0.95	1.00		0.69	
Satd. Flow (perm)		1774	1583		1254	1583		3376	1583		2413	
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	17	117	34	154	80	67	2	981	174	119	847	34
RTOR Reduction (vph)	0	0	24	0	0	46	0	0	62	0	3	0
Lane Group Flow (vph)	0	134	10	0	234	21	0	983	112	0	997	0
Turn Type	Perm	NA	Perm	Perm	NA	Perm	Perm	NA	Perm	Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4		4	8		8	2		2	6		
Actuated Green, G (s)		24.5	24.5		24.5	24.5		56.5	56.5		56.5	
Effective Green, g (s)		26.0	26.0		26.0	26.0		58.0	58.0		58.0	
Actuated g/C Ratio		0.29	0.29		0.29	0.29		0.64	0.64		0.64	
Clearance Time (s)		4.5	4.5		4.5	4.5		4.5	4.5		4.5	
Lane Grp Cap (vph)		512	457		362	457		2175	1020		1555	
v/s Ratio Prot												
v/s Ratio Perm		0.08	0.01		c0.19	0.01		0.29	0.07		c0.41	
v/c Ratio		0.26	0.02		0.65	0.05		0.45	0.11		0.64	
Uniform Delay, d1		24.6	22.9		28.0	23.1		8.0	6.1		9.7	
Progression Factor		1.00	1.00		1.00	1.00		1.00	1.00		1.00	
Incremental Delay, d2		1.2	0.1		8.6	0.2		0.7	0.2		2.0	
Delay (s)		25.9	23.0		36.6	23.3		8.7	6.3		11.7	
Level of Service		C	C		D	C		A	A		B	
Approach Delay (s)		25.3			33.6			8.4			11.7	
Approach LOS		C			C			A			B	

Intersection Summary			
HCM 2000 Control Delay	13.6	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.64		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	6.0
Intersection Capacity Utilization	84.5%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	997	675	595	845	0	0	0	0	212	1	1080
Future Volume (vph)	0	997	675	595	845	0	0	0	0	212	1	1080
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	4.0
Lane Util. Factor		0.86	0.86	0.97	0.95						1.00	0.76
Frt		0.97	0.85	1.00	1.00						1.00	0.85
Flt Protected		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (prot)		4643	1362	3433	3539						1774	3610
Flt Permitted		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (perm)		4643	1362	3433	3539						1774	3610
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	0	997	675	595	845	0	0	0	0	212	1	1080
RTOR Reduction (vph)	0	55	248	0	0	0	0	0	0	0	0	21
Lane Group Flow (vph)	0	1232	137	595	845	0	0	0	0	0	213	1059
Turn Type		NA	Perm	Prot	NA					Split	NA	custom
Protected Phases		2		3	8					6	6	2 6
Permitted Phases			2									
Actuated Green, G (s)		31.5	31.5	26.5	26.5						18.5	54.5
Effective Green, g (s)		32.0	32.0	27.0	27.0						19.0	55.0
Actuated g/C Ratio		0.36	0.36	0.30	0.30						0.21	0.61
Clearance Time (s)		4.5	4.5	4.5	4.5						4.5	
Vehicle Extension (s)		3.0	3.0	3.0	3.0						3.0	
Lane Grp Cap (vph)		1650	484	1029	1061						374	2206
v/s Ratio Prot		c0.27		0.17	c0.24						c0.12	0.29
v/s Ratio Perm			0.10									
v/c Ratio		0.75	0.28	0.58	0.80						0.57	0.48
Uniform Delay, d1		25.4	20.8	26.7	29.0						31.8	9.6
Progression Factor		1.00	1.00	1.00	1.00						1.00	1.00
Incremental Delay, d2		1.9	0.3	0.8	6.2						6.2	0.2
Delay (s)		27.3	21.1	27.5	35.2						38.0	9.8
Level of Service		C	C	C	D						D	A
Approach Delay (s)		25.9			32.0			0.0			14.4	
Approach LOS		C			C			A			B	

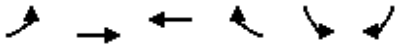
Intersection Summary					
HCM 2000 Control Delay	24.5	HCM 2000 Level of Service	C		
HCM 2000 Volume to Capacity ratio	0.72				
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	12.0		
Intersection Capacity Utilization	66.6%	ICU Level of Service	C		
Analysis Period (min)	15				

c Critical Lane Group

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	1151	0	0	214	1014	76
Future Volume (veh/h)	1151	0	0	214	1014	76
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	1863	1863	1863
Adj Flow Rate, veh/h	1151	0	0	214	1014	43
Adj No. of Lanes	2	1	0	2	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	0	2	2	2
Cap, veh/h	1666	745	0	1666	1389	639
Arrive On Green	0.47	0.00	0.00	0.47	0.40	0.40
Sat Flow, veh/h	3632	1583	0	3725	3442	1583
Grp Volume(v), veh/h	1151	0	0	214	1014	43
Grp Sat Flow(s),veh/h/ln	1770	1583	0	1770	1721	1583
Q Serve(g_s), s	12.2	0.0	0.0	1.6	11.9	0.8
Cycle Q Clear(g_c), s	12.2	0.0	0.0	1.6	11.9	0.8
Prop In Lane		1.00	0.00		1.00	1.00
Lane Grp Cap(c), veh/h	1666	745	0	1666	1389	639
V/C Ratio(X)	0.69	0.00	0.00	0.13	0.73	0.07
Avail Cap(c_a), veh/h	2148	961	0	2148	2161	994
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	9.9	0.0	0.0	7.1	12.0	8.7
Incr Delay (d2), s/veh	0.7	0.0	0.0	0.0	0.8	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.1	0.0	0.0	0.8	5.6	0.4
LnGrp Delay(d),s/veh	10.6	0.0	0.0	7.2	12.8	8.8
LnGrp LOS	B			A	B	A
Approach Vol, veh/h	1151			214	1057	
Approach Delay, s/veh	10.6			7.2	12.6	
Approach LOS	B			A	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		22.3		25.5				25.5
Change Period (Y+Rc), s		4.5		4.5				4.5
Max Green Setting (Gmax), s		28.5		27.5				27.5
Max Q Clear Time (g_c+I1), s		13.9		14.2				3.6
Green Ext Time (p_c), s		3.9		6.8				1.3

Intersection Summary	
HCM 2010 Ctrl Delay	11.2
HCM 2010 LOS	B



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	1253	1117	0	694	1100
Future Volume (veh/h)	0	1253	1117	0	694	1100
Number	7	4	8	18	1	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	0	1253	1117	0	593	1193
Adj No. of Lanes	0	3	3	0	1	2
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	0	2	2	2	2	2
Cap, veh/h	0	2042	2042	0	900	1606
Arrive On Green	0.00	0.40	0.40	0.00	0.51	0.51
Sat Flow, veh/h	0	5421	5421	0	1774	3167
Grp Volume(v), veh/h	0	1253	1117	0	593	1193
Grp Sat Flow(s),veh/h/ln	0	1695	1695	0	1774	1583
Q Serve(g_s), s	0.0	12.9	11.1	0.0	16.3	19.6
Cycle Q Clear(g_c), s	0.0	12.9	11.1	0.0	16.3	19.6
Prop In Lane	0.00			0.00	1.00	1.00
Lane Grp Cap(c), veh/h	0	2042	2042	0	900	1606
V/C Ratio(X)	0.00	0.61	0.55	0.00	0.66	0.74
Avail Cap(c_a), veh/h	0	3093	3093	0	1861	3322
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	15.6	15.1	0.0	12.0	12.8
Incr Delay (d2), s/veh	0.0	0.3	0.2	0.0	0.8	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	6.0	5.2	0.0	8.1	8.6
LnGrp Delay(d),s/veh	0.0	15.9	15.3	0.0	12.8	13.5
LnGrp LOS		B	B		B	B
Approach Vol, veh/h		1253	1117		1786	
Approach Delay, s/veh		15.9	15.3		13.3	
Approach LOS		B	B		B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs				4		6		8
Phs Duration (G+Y+Rc), s				29.4		36.4		29.4
Change Period (Y+Rc), s				4.5		4.5		4.5
Max Green Setting (Gmax), s				38.5		67.5		38.5
Max Q Clear Time (g_c+I1), s				14.9		21.6		13.1
Green Ext Time (p_c), s				10.0		10.3		9.0

Intersection Summary	
HCM 2010 Ctrl Delay	14.6
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	556	1423	352	414	975	662	180	173	282	245	47	141
Future Volume (veh/h)	556	1423	352	414	975	662	180	173	282	245	47	141
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	556	1423	191	414	975	411	180	173	68	245	47	114
Adj No. of Lanes	1	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	583	1966	612	924	1660	517	353	191	588	410	222	189
Arrive On Green	0.33	0.39	0.39	0.27	0.33	0.33	0.10	0.10	0.10	0.12	0.12	0.12
Sat Flow, veh/h	1774	5085	1583	3442	5085	1583	3442	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	556	1423	191	414	975	411	180	173	68	245	47	114
Grp Sat Flow(s),veh/h/ln	1774	1695	1583	1721	1695	1583	1721	1863	1583	1721	1863	1583
Q Serve(g_s), s	29.8	23.2	8.2	9.7	15.6	23.0	4.8	8.9	0.0	6.6	2.2	6.7
Cycle Q Clear(g_c), s	29.8	23.2	8.2	9.7	15.6	23.0	4.8	8.9	0.0	6.6	2.2	6.7
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	583	1966	612	924	1660	517	353	191	588	410	222	189
V/C Ratio(X)	0.95	0.72	0.31	0.45	0.59	0.80	0.51	0.90	0.12	0.60	0.21	0.60
Avail Cap(c_a), veh/h	583	2387	743	924	1854	577	353	191	588	1078	583	496
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	32.0	25.4	20.8	29.6	27.3	29.8	41.4	43.2	20.1	40.7	38.8	40.7
Incr Delay (d2), s/veh	26.1	0.9	0.3	0.3	0.4	6.9	1.2	39.4	0.1	1.4	0.5	3.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	18.8	11.0	3.6	4.6	7.3	11.0	2.4	6.7	1.2	3.2	1.2	3.1
LnGrp Delay(d),s/veh	58.1	26.3	21.1	30.0	27.7	36.7	42.6	82.7	20.2	42.1	39.2	43.8
LnGrp LOS	E	C	C	C	C	D	D	F	C	D	D	D
Approach Vol, veh/h		2170			1800			421			406	
Approach Delay, s/veh		34.0			30.3			55.4			42.2	
Approach LOS		C			C			E			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		14.6	29.1	40.6		13.0	35.0	34.8
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		29.0	20.3	44.2		8.5	30.5	34.0
Max Q Clear Time (g_c+I1), s		8.7	11.7	25.2		10.9	31.8	25.0
Green Ext Time (p_c), s		1.4	1.0	10.9		0.0	0.0	5.3

Intersection Summary	
HCM 2010 Ctrl Delay	35.2
HCM 2010 LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	125	749	47	505	336	945	38	548	896	996	921	43
Future Volume (veh/h)	125	749	47	505	336	945	38	548	896	996	921	43
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.89	1.00		0.90	1.00		0.96	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	125	749	47	505	336	861	38	548	852	996	921	43
Adj No. of Lanes	1	2	0	3	2	1	1	3	1	2	3	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	241	925	58	863	1105	758	49	1214	638	677	2028	95
Arrive On Green	0.14	0.28	0.28	0.17	0.31	0.31	0.03	0.24	0.24	0.20	0.41	0.41
Sat Flow, veh/h	1774	3354	210	5003	3539	1430	1774	5085	1527	3442	4973	232
Grp Volume(v), veh/h	125	395	401	505	336	861	38	548	852	996	627	337
Grp Sat Flow(s),veh/h/ln	1774	1770	1795	1668	1770	1430	1774	1695	1527	1721	1695	1815
Q Serve(g_s), s	10.1	32.2	32.3	14.4	11.2	48.4	3.3	14.3	37.0	30.5	20.8	20.9
Cycle Q Clear(g_c), s	10.1	32.2	32.3	14.4	11.2	48.4	3.3	14.3	37.0	30.5	20.8	20.9
Prop In Lane	1.00		0.12	1.00		1.00	1.00		1.00	1.00		0.13
Lane Grp Cap(c), veh/h	241	488	495	863	1105	758	49	1214	638	677	1383	740
V/C Ratio(X)	0.52	0.81	0.81	0.58	0.30	1.14	0.78	0.45	1.34	1.47	0.45	0.45
Avail Cap(c_a), veh/h	241	488	495	888	1105	758	102	1214	638	677	1383	740
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.80	0.80	0.80	0.70	0.70	0.70	1.00	1.00	1.00
Uniform Delay (d), s/veh	62.2	52.3	52.3	59.0	40.5	39.0	74.9	50.3	45.9	62.2	33.3	33.4
Incr Delay (d2), s/veh	1.9	13.5	13.4	0.8	0.6	74.3	16.5	0.8	158.7	219.8	1.1	2.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.1	17.6	17.9	6.7	5.5	47.9	1.9	6.8	55.4	35.2	10.0	10.9
LnGrp Delay(d),s/veh	64.2	65.8	65.7	59.8	41.1	113.3	91.4	51.2	204.6	282.1	34.4	35.4
LnGrp LOS	E	E	E	E	D	F	F	D	F	F	C	D
Approach Vol, veh/h		921			1702			1438			1960	
Approach Delay, s/veh		65.6			83.2			143.1			160.4	
Approach LOS		E			F			F			F	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	35.0	41.5	31.2	47.3	8.8	67.7	25.6	52.9
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	30.5	37.0	27.5	42.0	8.9	58.6	21.1	48.4
Max Q Clear Time (g_c+I1), s	32.5	39.0	16.4	34.3	5.3	22.9	12.1	50.4
Green Ext Time (p_c), s	0.0	0.0	1.5	3.0	0.0	7.7	0.2	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	119.9
HCM 2010 LOS	F

Notes

User approved changes to right turn type.

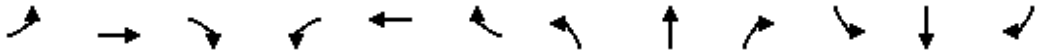
Intersection	
Int Delay, s/veh	5.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	50	5	300	6	7	1	78	207	8	2	137	50
Future Vol, veh/h	50	5	300	6	7	1	78	207	8	2	137	50
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	-	-	-	50	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	50	5	300	6	7	1	78	207	8	2	137	50

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	537	537	162	686	558	211	187	0	0	215	0	0
Stage 1	166	166	-	367	367	-	-	-	-	-	-	-
Stage 2	371	371	-	319	191	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	455	450	883	362	438	829	1387	-	-	1355	-	-
Stage 1	836	761	-	653	622	-	-	-	-	-	-	-
Stage 2	649	620	-	693	742	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	429	424	883	226	413	829	1387	-	-	1355	-	-
Mov Cap-2 Maneuver	429	424	-	226	413	-	-	-	-	-	-	-
Stage 1	789	759	-	616	587	-	-	-	-	-	-	-
Stage 2	604	585	-	454	741	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	11.8	17	2.1	0.1
HCM LOS	B	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1387	-	-	429	868	313	1355	-	-
HCM Lane V/C Ratio	0.056	-	-	0.117	0.351	0.045	0.001	-	-
HCM Control Delay (s)	7.8	-	-	14.5	11.4	17	7.7	0	-
HCM Lane LOS	A	-	-	B	B	C	A	A	-
HCM 95th %tile Q(veh)	0.2	-	-	0.4	1.6	0.1	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	332	149	56	13	85	128	50	947	31	234	1049	394
Future Volume (veh/h)	332	149	56	13	85	128	50	947	31	234	1049	394
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	332	149	56	13	85	128	50	947	31	234	1049	394
Adj No. of Lanes	1	1	0	0	2	1	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	407	297	111	50	346	174	73	1452	452	282	2052	639
Arrive On Green	0.23	0.23	0.23	0.11	0.11	0.11	0.04	0.29	0.29	0.16	0.40	0.40
Sat Flow, veh/h	1774	1292	485	456	3153	1583	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	332	0	205	52	46	128	50	947	31	234	1049	394
Grp Sat Flow(s),veh/h/ln	1774	0	1777	1840	1770	1583	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	14.8	0.0	8.4	2.2	2.0	6.5	2.3	13.6	1.2	10.6	12.9	16.5
Cycle Q Clear(g_c), s	14.8	0.0	8.4	2.2	2.0	6.5	2.3	13.6	1.2	10.6	12.9	16.5
Prop In Lane	1.00		0.27	0.25		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	407	0	408	202	194	174	73	1452	452	282	2052	639
V/C Ratio(X)	0.81	0.00	0.50	0.26	0.23	0.74	0.68	0.65	0.07	0.83	0.51	0.62
Avail Cap(c_a), veh/h	1118	0	1120	431	414	371	245	3022	941	841	4732	1473
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	30.4	0.0	27.9	34.0	33.9	35.9	39.4	26.1	21.7	33.9	18.7	19.7
Incr Delay (d2), s/veh	4.0	0.0	1.0	0.7	0.6	6.0	10.8	0.5	0.1	6.2	0.2	1.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.6	0.0	4.2	1.1	1.0	3.1	1.4	6.5	0.5	5.7	6.1	7.3
LnGrp Delay(d),s/veh	34.4	0.0	28.9	34.7	34.5	41.9	50.2	26.6	21.8	40.1	18.9	20.7
LnGrp LOS	C		C	C	C	D	D	C	C	D	B	C
Approach Vol, veh/h		537			226			1028			1677	
Approach Delay, s/veh		32.3			38.7			27.6			22.3	
Approach LOS		C			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	17.8	28.3		23.6	7.9	38.1		13.6
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	39.5	49.5		52.5	11.5	77.5		19.5
Max Q Clear Time (g_c+I1), s	12.6	15.6		16.8	4.3	18.5		8.5
Green Ext Time (p_c), s	0.7	8.2		2.4	0.0	12.7		0.7

Intersection Summary	
HCM 2010 Ctrl Delay	26.5
HCM 2010 LOS	C

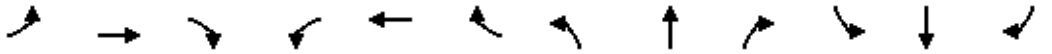
Intersection	
Int Delay, s/veh	7.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	61	1	363	2	2	0	149	232	2	1	346	96
Future Vol, veh/h	61	1	363	2	2	0	149	232	2	1	346	96
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	-	0	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	61	1	363	2	2	0	149	232	2	1	346	96

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	928	928	394	1109	975	233	442	0	0	234	0	0
Stage 1	396	396	-	531	531	-	-	-	-	-	-	-
Stage 2	532	532	-	578	444	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	248	268	655	187	251	806	1118	-	-	1333	-	-
Stage 1	629	604	-	532	526	-	-	-	-	-	-	-
Stage 2	531	526	-	501	575	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	221	232	655	75	217	806	1118	-	-	1333	-	-
Mov Cap-2 Maneuver	221	232	-	75	217	-	-	-	-	-	-	-
Stage 1	545	603	-	461	456	-	-	-	-	-	-	-
Stage 2	458	456	-	223	574	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	18.6	38.6	3.4	0
HCM LOS	C	E		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1118	-	-	221	655	111	1333	-	-
HCM Lane V/C Ratio	0.133	-	-	0.281	0.554	0.036	0.001	-	-
HCM Control Delay (s)	8.7	-	-	27.5	17.1	38.6	7.7	0	-
HCM Lane LOS	A	-	-	D	C	E	A	A	-
HCM 95th %tile Q(veh)	0.5	-	-	1.1	3.4	0.1	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	282	220	231	11	196	27	269	1094	49	124	889	323
Future Volume (veh/h)	282	220	231	11	196	27	269	1094	49	124	889	323
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	244	273	231	11	196	27	269	1094	49	124	889	323
Adj No. of Lanes	1	2	0	0	2	0	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	413	442	362	21	378	54	349	1953	608	191	1500	776
Arrive On Green	0.23	0.23	0.23	0.11	0.12	0.11	0.20	0.38	0.38	0.11	0.29	0.28
Sat Flow, veh/h	1774	1899	1553	165	3039	436	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	244	268	236	123	0	111	269	1094	49	124	889	323
Grp Sat Flow(s),veh/h/ln	1774	1863	1589	1854	0	1786	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	9.7	10.2	10.6	5.0	0.0	4.6	11.4	13.4	1.6	5.3	11.9	10.4
Cycle Q Clear(g_c), s	9.7	10.2	10.6	5.0	0.0	4.6	11.4	13.4	1.6	5.3	11.9	10.4
Prop In Lane	1.00		0.98	0.09		0.24	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	413	434	370	230	0	222	349	1953	608	191	1500	776
V/C Ratio(X)	0.59	0.62	0.64	0.54	0.00	0.50	0.77	0.56	0.08	0.65	0.59	0.42
Avail Cap(c_a), veh/h	916	962	820	899	0	866	894	3874	1206	469	2658	1136
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	27.1	27.3	27.4	32.7	0.0	32.6	30.2	19.2	15.5	34.0	23.9	13.0
Incr Delay (d2), s/veh	1.3	1.4	1.8	1.9	0.0	1.7	3.6	0.3	0.1	3.7	0.4	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.9	5.5	4.9	2.7	0.0	2.4	6.0	6.3	0.7	2.8	5.6	6.4
LnGrp Delay(d),s/veh	28.4	28.7	29.3	34.6	0.0	34.4	33.8	19.4	15.6	37.7	24.3	13.3
LnGrp LOS	C	C	C	C		C	C	B	B	D	C	B
Approach Vol, veh/h		748			234			1412			1336	
Approach Delay, s/veh		28.8			34.5			22.0			22.9	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	11.6	33.5		21.5	18.6	26.4		12.9
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	19.5	59.0		39.5	38.5	40.0		37.0
Max Q Clear Time (g_c+I1), s	7.3	15.4		12.6	13.4	13.9		7.0
Green Ext Time (p_c), s	0.2	9.9		4.3	0.8	8.1		1.5

Intersection Summary	
HCM 2010 Ctrl Delay	24.5
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	5	424	46	270	383	362	51	306	556	376	396	37
Future Volume (veh/h)	5	424	46	270	383	362	51	306	556	376	396	37
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	5	424	46	270	383	362	51	306	0	376	396	37
Adj No. of Lanes	1	2	0	1	1	1	1	2	1	2	1	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	86	534	58	307	541	460	66	1255	561	456	755	71
Arrive On Green	0.05	0.17	0.17	0.17	0.29	0.29	0.04	0.35	0.00	0.13	0.45	0.45
Sat Flow, veh/h	1774	3223	348	1774	1863	1583	1774	3539	1583	3442	1678	157
Grp Volume(v), veh/h	5	232	238	270	383	362	51	306	0	376	0	433
Grp Sat Flow(s),veh/h/ln	1774	1770	1801	1774	1863	1583	1774	1770	1583	1721	0	1835
Q Serve(g_s), s	0.3	13.0	13.1	15.3	19.0	21.7	2.9	6.3	0.0	11.0	0.0	17.5
Cycle Q Clear(g_c), s	0.3	13.0	13.1	15.3	19.0	21.7	2.9	6.3	0.0	11.0	0.0	17.5
Prop In Lane	1.00		0.19	1.00		1.00	1.00		1.00	1.00		0.09
Lane Grp Cap(c), veh/h	86	293	298	307	541	460	66	1255	561	456	0	825
V/C Ratio(X)	0.06	0.79	0.80	0.88	0.71	0.79	0.77	0.24	0.00	0.83	0.00	0.52
Avail Cap(c_a), veh/h	309	429	436	456	605	514	156	1269	568	617	0	825
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	46.8	41.3	41.4	41.6	32.7	33.7	49.2	23.5	0.0	43.6	0.0	20.5
Incr Delay (d2), s/veh	0.3	6.1	6.4	12.5	3.4	7.2	17.1	0.1	0.0	6.7	0.0	2.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	6.9	7.1	8.6	10.3	10.4	1.8	3.1	0.0	5.6	0.0	9.4
LnGrp Delay(d),s/veh	47.1	47.5	47.8	54.2	36.1	40.9	66.4	23.6	0.0	50.3	0.0	22.8
LnGrp LOS	D	D	D	D	D	D	E	C		D		C
Approach Vol, veh/h		475			1015			357			809	
Approach Delay, s/veh		47.6			42.6			29.7			35.6	
Approach LOS		D			D			C			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	18.2	41.1	22.4	21.6	8.3	50.9	9.5	34.5
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	13.5	37.0	26.5	25.0	9.1	46.4	18.0	33.5
Max Q Clear Time (g_c+I1), s	13.0	8.3	17.3	15.1	4.9	19.5	2.3	23.7
Green Ext Time (p_c), s	0.7	2.1	0.5	2.0	0.0	2.9	0.0	2.7

Intersection Summary	
HCM 2010 Ctrl Delay	39.6
HCM 2010 LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	237	1355	34	336	882	298	170	232	389	114	109	89
Future Volume (veh/h)	237	1355	34	336	882	298	170	232	389	114	109	89
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	237	1355	34	336	882	0	170	232	112	114	109	20
Adj No. of Lanes	2	3	0	2	3	1	1	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	337	1986	50	432	2119	660	296	311	264	318	172	146
Arrive On Green	0.10	0.39	0.39	0.13	0.42	0.00	0.17	0.17	0.17	0.09	0.09	0.09
Sat Flow, veh/h	3442	5102	128	3442	5085	1583	1774	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	237	900	489	336	882	0	170	232	112	114	109	20
Grp Sat Flow(s),veh/h/ln	1721	1695	1840	1721	1695	1583	1774	1863	1583	1721	1863	1583
Q Serve(g_s), s	5.3	17.6	17.6	7.5	9.7	0.0	7.0	9.4	5.0	2.5	4.5	0.9
Cycle Q Clear(g_c), s	5.3	17.6	17.6	7.5	9.7	0.0	7.0	9.4	5.0	2.5	4.5	0.9
Prop In Lane	1.00		0.07	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	337	1319	716	432	2119	660	296	311	264	318	172	146
V/C Ratio(X)	0.70	0.68	0.68	0.78	0.42	0.00	0.57	0.75	0.42	0.36	0.63	0.14
Avail Cap(c_a), veh/h	713	1980	1075	584	2779	865	546	573	487	973	526	447
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	34.8	20.2	20.2	33.7	16.4	0.0	30.5	31.5	29.7	33.9	34.8	33.2
Incr Delay (d2), s/veh	2.7	0.6	1.2	4.7	0.1	0.0	1.8	3.6	1.1	0.7	3.8	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.7	8.2	9.1	3.9	4.6	0.0	3.6	5.1	2.3	1.2	2.5	0.4
LnGrp Delay(d),s/veh	37.5	20.9	21.4	38.4	16.5	0.0	32.3	35.1	30.8	34.6	38.7	33.6
LnGrp LOS	D	C	C	D	B		C	D	C	C	D	C
Approach Vol, veh/h		1626			1218			514			243	
Approach Delay, s/veh		23.4			22.6			33.2			36.4	
Approach LOS		C			C			C			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		11.8	14.5	35.5		17.8	12.3	37.7
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		22.5	13.5	46.5		24.5	16.5	43.5
Max Q Clear Time (g_c+I1), s		6.5	9.5	19.6		11.4	7.3	11.7
Green Ext Time (p_c), s		0.9	0.5	11.4		1.9	0.5	7.2

Intersection Summary	
HCM 2010 Ctrl Delay	25.4
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	1260	616	49	2	181	86	31	20	9	226	11	670
Future Volume (veh/h)	1260	616	49	2	181	86	31	20	9	226	11	670
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1900	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	1370	670	53	2	181	86	31	20	9	234	0	670
Adj No. of Lanes	2	1	1	1	2	1	0	2	0	2	0	2
Peak Hour Factor	0.92	0.92	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	1503	994	845	5	354	158	90	63	29	488	0	1818
Arrive On Green	0.44	0.53	0.53	0.00	0.10	0.10	0.05	0.05	0.05	0.14	0.00	0.14
Sat Flow, veh/h	3442	1863	1583	1774	3539	1583	1751	1233	556	3548	0	3167
Grp Volume(v), veh/h	1370	670	53	2	181	86	31	0	29	234	0	670
Grp Sat Flow(s),veh/h/ln	1721	1863	1583	1774	1770	1583	1775	0	1765	1774	0	1583
Q Serve(g_s), s	23.7	16.7	1.0	0.1	3.1	3.3	1.1	0.0	1.0	3.9	0.0	0.0
Cycle Q Clear(g_c), s	23.7	16.7	1.0	0.1	3.1	3.3	1.1	0.0	1.0	3.9	0.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	0.99		0.31	1.00		1.00
Lane Grp Cap(c), veh/h	1503	994	845	5	354	158	91	0	91	488	0	1818
V/C Ratio(X)	0.91	0.67	0.06	0.41	0.51	0.54	0.34	0.00	0.32	0.48	0.00	0.37
Avail Cap(c_a), veh/h	1503	994	845	139	1000	447	502	0	499	891	0	2178
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	16.8	10.8	7.2	31.7	27.2	27.3	29.2	0.0	29.1	25.4	0.0	7.3
Incr Delay (d2), s/veh	9.9	3.6	0.1	47.9	1.1	2.9	2.2	0.0	2.0	0.7	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	13.1	9.4	0.5	0.1	1.6	1.6	0.6	0.0	0.5	1.9	0.0	3.1
LnGrp Delay(d),s/veh	26.7	14.5	7.3	79.6	28.3	30.2	31.4	0.0	31.1	26.1	0.0	7.5
LnGrp LOS	C	B	A	E	C	C	C		C	C		A
Approach Vol, veh/h		2093			269			60			904	
Approach Delay, s/veh		22.3			29.3			31.3			12.3	
Approach LOS		C			C			C			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		7.8	4.7	38.5		12.8	32.3	10.9
Change Period (Y+Rc), s		4.5	4.5	* 4.5		4.0	4.5	4.5
Max Green Setting (Gmax), s		18.0	5.0	* 34		16.0	20.5	18.0
Max Q Clear Time (g_c+I1), s		3.1	2.1	18.7		5.9	25.7	5.3
Green Ext Time (p_c), s		0.2	0.0	4.3		2.9	0.0	1.1

Intersection Summary	
HCM 2010 Ctrl Delay	20.3
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	419	10	473	5	6	5	1026	324	11	14	531	76
Future Volume (veh/h)	419	10	473	5	6	5	1026	324	11	14	531	76
Number	3	8	18	7	4	14	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1900	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	495	0	157	5	6	5	1026	324	11	14	531	76
Adj No. of Lanes	2	0	1	0	1	0	2	2	0	1	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	661	0	295	10	12	10	1211	1877	64	30	717	321
Arrive On Green	0.19	0.00	0.19	0.02	0.02	0.02	0.35	0.54	0.54	0.02	0.20	0.20
Sat Flow, veh/h	3548	0	1583	544	652	544	3442	3493	118	1774	3539	1583
Grp Volume(v), veh/h	495	0	157	16	0	0	1026	164	171	14	531	76
Grp Sat Flow(s),veh/h/ln	1774	0	1583	1740	0	0	1721	1770	1842	1774	1770	1583
Q Serve(g_s), s	9.9	0.0	6.7	0.7	0.0	0.0	20.6	3.5	3.6	0.6	10.5	3.0
Cycle Q Clear(g_c), s	9.9	0.0	6.7	0.7	0.0	0.0	20.6	3.5	3.6	0.6	10.5	3.0
Prop In Lane	1.00		1.00	0.31		0.31	1.00		0.06	1.00		1.00
Lane Grp Cap(c), veh/h	661	0	295	33	0	0	1211	951	990	30	717	321
V/C Ratio(X)	0.75	0.00	0.53	0.49	0.00	0.00	0.85	0.17	0.17	0.47	0.74	0.24
Avail Cap(c_a), veh/h	1208	0	539	418	0	0	1678	1265	1316	118	1040	465
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	28.8	0.0	27.5	36.4	0.0	0.0	22.4	8.8	8.8	36.5	28.0	25.0
Incr Delay (d2), s/veh	1.7	0.0	1.5	10.7	0.0	0.0	3.1	0.1	0.1	10.9	1.6	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.0	0.0	3.0	0.4	0.0	0.0	10.2	1.8	1.8	0.4	5.3	1.3
LnGrp Delay(d),s/veh	30.5	0.0	29.0	47.1	0.0	0.0	25.5	8.9	8.9	47.4	29.7	25.4
LnGrp LOS	C		C	D			C	A	A	D	C	C
Approach Vol, veh/h		652			16			1361			621	
Approach Delay, s/veh		30.2			47.1			21.4			29.5	
Approach LOS		C			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	5.8	44.7		5.9	30.8	19.7		18.5
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	5.0	53.5		18.0	36.5	22.0		25.5
Max Q Clear Time (g_c+I1), s	2.6	5.6		2.7	22.6	12.5		11.9
Green Ext Time (p_c), s	0.0	2.1		0.0	3.7	2.6		2.1

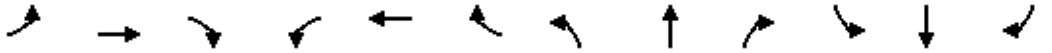
Intersection Summary	
HCM 2010 Ctrl Delay	25.6
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	18	183	71	128	89	82	0	1345	252	99	1229	27
Future Volume (vph)	18	183	71	128	89	82	0	1345	252	99	1229	27
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		3.0	3.0		3.0	3.0		3.0	3.0		3.0	
Lane Util. Factor		1.00	1.00		1.00	1.00		0.95	1.00		0.95	
Frt		1.00	0.85		1.00	0.85		1.00	0.85		1.00	
Flt Protected		1.00	1.00		0.97	1.00		1.00	1.00		1.00	
Satd. Flow (prot)		1854	1583		1809	1583		3539	1583		3516	
Flt Permitted		0.97	1.00		0.61	1.00		1.00	1.00		0.67	
Satd. Flow (perm)		1799	1583		1141	1583		3539	1583		2354	
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	18	183	71	128	89	82	0	1345	252	99	1229	27
RTOR Reduction (vph)	0	0	50	0	0	48	0	0	71	0	1	0
Lane Group Flow (vph)	0	201	21	0	217	34	0	1345	181	0	1354	0
Turn Type	Perm	NA	Perm	Perm	NA	Perm		NA	Perm	Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4		4	8		8			2	6		
Actuated Green, G (s)		24.5	24.5		24.5	24.5		56.5	56.5		56.5	
Effective Green, g (s)		26.0	26.0		26.0	26.0		58.0	58.0		58.0	
Actuated g/C Ratio		0.29	0.29		0.29	0.29		0.64	0.64		0.64	
Clearance Time (s)		4.5	4.5		4.5	4.5		4.5	4.5		4.5	
Lane Grp Cap (vph)		519	457		329	457		2280	1020		1517	
v/s Ratio Prot								0.38				
v/s Ratio Perm		0.11	0.01		c0.19	0.02			0.11		c0.58	
v/c Ratio		0.39	0.04		0.66	0.08		0.59	0.18		0.89	
Uniform Delay, d1		25.6	23.1		28.1	23.3		9.2	6.4		13.4	
Progression Factor		1.00	1.00		1.00	1.00		1.00	1.00		1.00	
Incremental Delay, d2		2.2	0.2		10.0	0.3		1.1	0.4		8.4	
Delay (s)		27.8	23.2		38.1	23.6		10.3	6.8		21.8	
Level of Service		C	C		D	C		B	A		C	
Approach Delay (s)		26.6			34.1			9.8			21.8	
Approach LOS		C			C			A			C	

Intersection Summary			
HCM 2000 Control Delay	17.7	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.82		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	6.0
Intersection Capacity Utilization	110.6%	ICU Level of Service	H
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	1387	553	271	605	0	0	0	0	400	21	920
Future Volume (vph)	0	1387	553	271	605	0	0	0	0	400	21	920
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.5	4.5	4.5	4.5						4.5	4.5
Lane Util. Factor		0.86	0.86	0.97	0.95						1.00	0.76
Frt		0.99	0.85	1.00	1.00						1.00	0.85
Flt Protected		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (prot)		4748	1362	3433	3539						1778	3610
Flt Permitted		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (perm)		4748	1362	3433	3539						1778	3610
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	0	1387	553	271	605	0	0	0	0	400	21	920
RTOR Reduction (vph)	0	8	134	0	0	0	0	0	0	0	0	15
Lane Group Flow (vph)	0	1501	297	271	605	0	0	0	0	0	421	905
Turn Type		NA	Perm	Prot	NA					Split	NA	custom
Protected Phases		2		3	8					6	6	2 6
Permitted Phases			2									
Actuated Green, G (s)		40.9	40.9	23.1	23.1						35.1	80.5
Effective Green, g (s)		40.9	40.9	23.1	23.1						35.1	80.5
Actuated g/C Ratio		0.36	0.36	0.21	0.21						0.31	0.71
Clearance Time (s)		4.5	4.5	4.5	4.5						4.5	
Vehicle Extension (s)		3.0	3.0	3.0	3.0						3.0	
Lane Grp Cap (vph)		1724	494	704	726						554	2580
v/s Ratio Prot		c0.32		0.08	c0.17						c0.24	0.25
v/s Ratio Perm			0.22									
v/c Ratio		0.87	0.60	0.38	0.83						0.76	0.35
Uniform Delay, d1		33.4	29.2	38.6	42.9						34.9	6.1
Progression Factor		1.00	1.00	1.00	1.00						1.00	1.00
Incremental Delay, d2		6.3	5.3	0.4	8.1						5.9	0.1
Delay (s)		39.7	34.5	39.0	51.0						40.9	6.2
Level of Service		D	C	D	D						D	A
Approach Delay (s)		38.6			47.3			0.0			17.1	
Approach LOS		D			D			A			B	

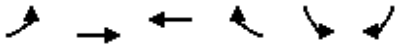
Intersection Summary					
HCM 2000 Control Delay	33.5	HCM 2000 Level of Service	C		
HCM 2000 Volume to Capacity ratio	0.82				
Actuated Cycle Length (s)	112.6	Sum of lost time (s)	13.5		
Intersection Capacity Utilization	73.1%	ICU Level of Service	D		
Analysis Period (min)	15				

c Critical Lane Group

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	654	0	0	449	803	95
Future Volume (veh/h)	654	0	0	449	803	95
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	1863	1863	1863
Adj Flow Rate, veh/h	654	0	0	449	803	62
Adj No. of Lanes	2	1	0	2	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	0	2	2	2
Cap, veh/h	1418	634	0	1418	1389	639
Arrive On Green	0.40	0.00	0.00	0.40	0.40	0.40
Sat Flow, veh/h	3632	1583	0	3725	3442	1583
Grp Volume(v), veh/h	654	0	0	449	803	62
Grp Sat Flow(s),veh/h/ln	1770	1583	0	1770	1721	1583
Q Serve(g_s), s	4.2	0.0	0.0	2.7	5.6	0.7
Cycle Q Clear(g_c), s	4.2	0.0	0.0	2.7	5.6	0.7
Prop In Lane		1.00	0.00		1.00	1.00
Lane Grp Cap(c), veh/h	1418	634	0	1418	1389	639
V/C Ratio(X)	0.46	0.00	0.00	0.32	0.58	0.10
Avail Cap(c_a), veh/h	3462	1549	0	3462	3254	1497
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	6.8	0.0	0.0	6.3	7.1	5.7
Incr Delay (d2), s/veh	0.2	0.0	0.0	0.1	0.4	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.0	0.0	0.0	1.3	2.6	0.3
LnGrp Delay(d),s/veh	7.0	0.0	0.0	6.4	7.5	5.7
LnGrp LOS	A			A	A	A
Approach Vol, veh/h	654			449	865	
Approach Delay, s/veh	7.0			6.4	7.4	
Approach LOS	A			A	A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		15.4		15.3				15.3
Change Period (Y+Rc), s		4.5		4.5				4.5
Max Green Setting (Gmax), s		27.5		28.5				28.5
Max Q Clear Time (g_c+I1), s		7.6		6.2				4.7
Green Ext Time (p_c), s		3.3		4.6				3.1

Intersection Summary	
HCM 2010 Ctrl Delay	7.0
HCM 2010 LOS	A



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑↑↑	↑↑↑		↰↰	↱
Traffic Volume (veh/h)	0	1292	1079	0	462	980
Future Volume (veh/h)	0	1292	1079	0	462	980
Number	7	4	8	18	1	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	0	1292	1079	0	462	964
Adj No. of Lanes	0	3	3	0	1	2
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	0	2	2	2	2	2
Cap, veh/h	0	2316	2316	0	775	1384
Arrive On Green	0.00	0.46	0.46	0.00	0.44	0.44
Sat Flow, veh/h	0	5421	5421	0	1774	3167
Grp Volume(v), veh/h	0	1292	1079	0	462	964
Grp Sat Flow(s),veh/h/ln	0	1695	1695	0	1774	1583
Q Serve(g_s), s	0.0	10.4	8.2	0.0	11.1	13.7
Cycle Q Clear(g_c), s	0.0	10.4	8.2	0.0	11.1	13.7
Prop In Lane	0.00			0.00	1.00	1.00
Lane Grp Cap(c), veh/h	0	2316	2316	0	775	1384
V/C Ratio(X)	0.00	0.56	0.47	0.00	0.60	0.70
Avail Cap(c_a), veh/h	0	4010	4010	0	2067	3689
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	11.1	10.5	0.0	12.0	12.7
Incr Delay (d2), s/veh	0.0	0.2	0.1	0.0	0.7	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	4.8	3.8	0.0	5.5	6.0
LnGrp Delay(d),s/veh	0.0	11.3	10.6	0.0	12.7	13.4
LnGrp LOS		B	B		B	B
Approach Vol, veh/h		1292	1079		1426	
Approach Delay, s/veh		11.3	10.6		13.1	
Approach LOS		B	B		B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs				4		6		8
Phs Duration (G+Y+Rc), s				28.4		27.4		28.4
Change Period (Y+Rc), s				4.5		4.5		4.5
Max Green Setting (Gmax), s				42.5		63.5		42.5
Max Q Clear Time (g_c+I1), s				12.4		15.7		10.2
Green Ext Time (p_c), s				11.6		7.1		9.4

Intersection Summary	
HCM 2010 Ctrl Delay	11.8
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	189	1051	354	314	1552	317	456	86	528	569	99	372
Future Volume (veh/h)	189	1051	354	314	1552	317	456	86	528	569	99	372
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	189	1051	193	314	1552	66	456	86	314	569	99	345
Adj No. of Lanes	1	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	230	1261	393	822	1817	566	535	290	625	873	473	402
Arrive On Green	0.13	0.25	0.25	0.24	0.36	0.36	0.16	0.16	0.16	0.25	0.25	0.25
Sat Flow, veh/h	1774	5085	1583	3442	5085	1583	3442	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	189	1051	193	314	1552	66	456	86	314	569	99	345
Grp Sat Flow(s),veh/h/ln	1774	1695	1583	1721	1695	1583	1721	1863	1583	1721	1863	1583
Q Serve(g_s), s	12.0	22.7	12.1	8.8	32.7	3.2	14.9	4.7	0.0	17.1	4.8	24.1
Cycle Q Clear(g_c), s	12.0	22.7	12.1	8.8	32.7	3.2	14.9	4.7	0.0	17.1	4.8	24.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	230	1261	393	822	1817	566	535	290	625	873	473	402
V/C Ratio(X)	0.82	0.83	0.49	0.38	0.85	0.12	0.85	0.30	0.50	0.65	0.21	0.86
Avail Cap(c_a), veh/h	230	1318	410	833	1890	588	535	290	625	952	515	438
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	49.1	41.2	37.3	36.9	34.4	24.9	47.6	43.3	26.5	38.6	34.0	41.2
Incr Delay (d2), s/veh	20.7	4.6	1.0	0.3	3.9	0.1	12.5	0.6	0.6	1.4	0.2	14.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.2	11.1	5.4	4.2	15.9	1.4	8.0	2.5	7.7	8.3	2.5	12.1
LnGrp Delay(d),s/veh	69.7	45.8	38.2	37.2	38.3	25.0	60.0	43.8	27.1	40.0	34.2	55.9
LnGrp LOS	E	D	D	D	D	C	E	D	C	D	C	E
Approach Vol, veh/h		1433			1932			856			1013	
Approach Delay, s/veh		47.9			37.7			46.3			44.9	
Approach LOS		D			D			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		32.4	30.6	31.7		21.0	18.0	44.3
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		30.5	26.5	28.5		16.5	13.5	41.5
Max Q Clear Time (g_c+I1), s		26.1	10.8	24.7		16.9	14.0	34.7
Green Ext Time (p_c), s		1.8	1.0	2.5		0.0	0.0	5.2

Intersection Summary	
HCM 2010 Ctrl Delay	43.3
HCM 2010 LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	137	355	40	642	702	1245	66	741	761	819	871	70
Future Volume (veh/h)	137	355	40	642	702	1245	66	741	761	819	871	70
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.89	1.00		0.90	1.00		0.96	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	137	355	40	642	702	1161	66	741	717	819	871	70
Adj No. of Lanes	1	2	0	3	2	1	1	3	1	2	3	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	160	858	95	631	1087	831	84	1214	564	854	2106	169
Arrive On Green	0.09	0.27	0.27	0.13	0.31	0.31	0.05	0.24	0.24	0.25	0.44	0.44
Sat Flow, veh/h	1774	3166	352	5003	3539	1427	1774	5085	1527	3442	4790	384
Grp Volume(v), veh/h	137	197	198	642	702	1161	66	741	717	819	615	326
Grp Sat Flow(s),veh/h/ln	1774	1770	1748	1668	1770	1427	1774	1695	1527	1721	1695	1784
Q Serve(g_s), s	11.8	14.1	14.5	19.6	26.6	47.6	5.7	20.1	37.0	36.4	19.3	19.4
Cycle Q Clear(g_c), s	11.8	14.1	14.5	19.6	26.6	47.6	5.7	20.1	37.0	36.4	19.3	19.4
Prop In Lane	1.00		0.20	1.00		1.00	1.00		1.00	1.00		0.22
Lane Grp Cap(c), veh/h	160	480	474	631	1087	831	84	1214	564	854	1491	784
V/C Ratio(X)	0.86	0.41	0.42	1.02	0.65	1.40	0.79	0.61	1.27	0.96	0.41	0.42
Avail Cap(c_a), veh/h	207	480	474	631	1087	831	141	1214	564	855	1491	784
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.49	0.49	0.49	0.67	0.67	0.67	1.00	1.00	1.00
Uniform Delay (d), s/veh	69.6	46.3	46.5	67.7	46.4	35.6	73.1	52.6	49.5	57.5	29.7	29.8
Incr Delay (d2), s/veh	23.4	2.6	2.7	29.3	1.5	182.3	10.6	1.5	131.1	21.4	0.8	1.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.8	7.2	7.4	10.7	13.2	77.4	3.1	9.6	44.8	19.8	9.2	9.9
LnGrp Delay(d),s/veh	93.0	48.9	49.2	97.1	47.9	217.9	83.7	54.1	180.6	79.0	30.6	31.4
LnGrp LOS	F	D	D	F	D	F	F	D	F	E	C	C
Approach Vol, veh/h		532			2505			1524			1760	
Approach Delay, s/veh		60.4			139.3			114.9			53.2	
Approach LOS		E			F			F			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	42.9	41.5	24.1	46.5	11.8	72.6	18.4	52.1
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	38.5	37.0	19.5	42.0	12.3	63.2	18.1	43.4
Max Q Clear Time (g_c+I1), s	38.4	39.0	21.6	16.5	7.7	21.4	13.8	49.6
Green Ext Time (p_c), s	0.0	0.0	0.0	2.4	0.0	7.7	0.1	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	102.8
HCM 2010 LOS	F

Notes

User approved changes to right turn type.

Intersection	
Int Delay, s/veh	5.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	90	0	201	10	12	3	137	261	1	0	120	159
Future Vol, veh/h	90	0	201	10	12	3	137	261	1	0	120	159
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	-	-	-	50	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	90	0	201	10	12	3	137	261	1	0	120	159

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	743	736	200	836	815	262	279	0	0	262	0	0
Stage 1	200	200	-	536	536	-	-	-	-	-	-	-
Stage 2	543	536	-	300	279	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	331	346	841	287	312	777	1284	-	-	1302	-	-
Stage 1	802	736	-	529	523	-	-	-	-	-	-	-
Stage 2	524	523	-	709	680	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	293	309	841	201	279	777	1284	-	-	1302	-	-
Mov Cap-2 Maneuver	293	309	-	201	279	-	-	-	-	-	-	-
Stage 1	716	736	-	472	467	-	-	-	-	-	-	-
Stage 2	454	467	-	540	680	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	14.3	20.4	2.8	0
HCM LOS	B	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1284	-	-	293	841	259	1302	-	-
HCM Lane V/C Ratio	0.107	-	-	0.307	0.239	0.097	-	-	-
HCM Control Delay (s)	8.1	-	-	22.6	10.6	20.4	0	-	-
HCM Lane LOS	A	-	-	C	B	C	A	-	-
HCM 95th %tile Q(veh)	0.4	-	-	1.3	0.9	0.3	0	-	-

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	296	103	86	40	113	220	89	963	52	273	1284	263
Future Volume (veh/h)	296	103	86	40	113	220	89	963	52	273	1284	263
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	296	103	86	40	113	220	89	963	52	273	1284	263
Adj No. of Lanes	1	1	0	0	2	1	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	365	194	162	152	460	270	124	1393	434	324	1967	612
Arrive On Green	0.21	0.21	0.20	0.17	0.17	0.17	0.07	0.27	0.27	0.18	0.39	0.39
Sat Flow, veh/h	1774	940	785	892	2695	1583	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	296	0	189	81	72	220	89	963	52	273	1284	263
Grp Sat Flow(s),veh/h/ln	1774	0	1724	1818	1770	1583	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	15.3	0.0	9.4	3.7	3.4	12.8	4.7	16.3	2.4	14.3	19.9	11.7
Cycle Q Clear(g_c), s	15.3	0.0	9.4	3.7	3.4	12.8	4.7	16.3	2.4	14.3	19.9	11.7
Prop In Lane	1.00		0.46	0.49		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	365	0	355	311	302	270	124	1393	434	324	1967	612
V/C Ratio(X)	0.81	0.00	0.53	0.26	0.24	0.81	0.72	0.69	0.12	0.84	0.65	0.43
Avail Cap(c_a), veh/h	739	0	718	454	442	396	296	2224	693	702	3389	1055
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	36.3	0.0	34.1	34.6	34.4	38.3	43.7	31.2	26.2	37.9	24.2	21.6
Incr Delay (d2), s/veh	4.3	0.0	1.2	0.4	0.4	8.0	7.6	0.6	0.1	5.9	0.4	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.9	0.0	4.6	1.9	1.7	6.2	2.6	7.7	1.1	7.5	9.3	5.2
LnGrp Delay(d),s/veh	40.6	0.0	35.3	35.0	34.8	46.4	51.4	31.8	26.3	43.8	24.5	22.1
LnGrp LOS	D		D	D	C	D	D	C	C	D	C	C
Approach Vol, veh/h		485			373			1104			1820	
Approach Delay, s/veh		38.6			41.7			33.2			27.1	
Approach LOS		D			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	21.5	30.3		23.8	10.7	41.1		20.4
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	37.5	41.5		39.5	15.5	63.5		23.5
Max Q Clear Time (g_c+I1), s	16.3	18.3		17.3	6.7	21.9		14.8
Green Ext Time (p_c), s	0.8	7.5		2.0	0.1	14.4		1.1

Intersection Summary	
HCM 2010 Ctrl Delay	31.8
HCM 2010 LOS	C

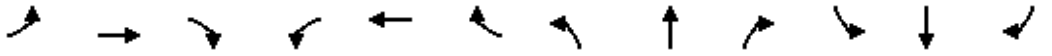
Intersection	
Int Delay, s/veh	6.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	67	0	247	4	5	1	232	373	0	0	220	127
Future Vol, veh/h	67	0	247	4	5	1	232	373	0	0	220	127
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	-	0	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	67	0	247	4	5	1	232	373	0	0	220	127

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1124	1121	284	1244	1184	373	347	0	0	373	0	0
Stage 1	284	284	-	837	837	-	-	-	-	-	-	-
Stage 2	840	837	-	407	347	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	183	206	755	151	189	673	1212	-	-	1185	-	-
Stage 1	723	676	-	361	382	-	-	-	-	-	-	-
Stage 2	360	382	-	621	635	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	152	167	755	87	153	673	1212	-	-	1185	-	-
Mov Cap-2 Maneuver	152	167	-	87	153	-	-	-	-	-	-	-
Stage 1	585	676	-	292	309	-	-	-	-	-	-	-
Stage 2	286	309	-	418	635	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	19.4	36.3	3.3	0
HCM LOS	C	E		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1212	-	-	152	755	125	1185	-	-
HCM Lane V/C Ratio	0.191	-	-	0.441	0.327	0.08	-	-	-
HCM Control Delay (s)	8.7	-	-	46.1	12.1	36.3	0	-	-
HCM Lane LOS	A	-	-	E	B	E	A	-	-
HCM 95th %tile Q(veh)	0.7	-	-	2	1.4	0.3	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	250	184	239	22	229	115	267	986	24	113	1247	277
Future Volume (veh/h)	250	184	239	22	229	115	267	986	24	113	1247	277
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	224	220	239	22	229	115	267	986	10	113	1247	277
Adj No. of Lanes	1	2	0	0	2	0	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	367	386	328	32	337	176	325	2210	688	165	1751	888
Arrive On Green	0.21	0.21	0.20	0.15	0.15	0.14	0.18	0.43	0.43	0.09	0.34	0.35
Sat Flow, veh/h	1774	1863	1583	206	2172	1136	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	224	220	239	198	0	168	267	986	10	113	1247	277
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1852	0	1662	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	12.4	11.5	15.3	11.0	0.0	10.4	15.7	14.7	0.4	6.7	23.1	10.1
Cycle Q Clear(g_c), s	12.4	11.5	15.3	11.0	0.0	10.4	15.7	14.7	0.4	6.7	23.1	10.1
Prop In Lane	1.00		1.00	0.11		0.68	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	367	386	328	287	0	258	325	2210	688	165	1751	888
V/C Ratio(X)	0.61	0.57	0.73	0.69	0.00	0.65	0.82	0.45	0.01	0.69	0.71	0.31
Avail Cap(c_a), veh/h	630	661	562	658	0	590	556	3038	946	314	2344	1072
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	39.0	38.7	40.4	43.4	0.0	43.6	42.6	21.5	17.4	47.7	30.9	12.7
Incr Delay (d2), s/veh	1.6	1.3	3.1	2.9	0.0	2.8	5.2	0.1	0.0	5.0	0.7	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.3	6.1	7.0	5.8	0.0	4.9	8.2	6.9	0.2	3.5	11.0	6.6
LnGrp Delay(d),s/veh	40.7	40.0	43.5	46.3	0.0	46.4	47.8	21.6	17.5	52.7	31.6	12.9
LnGrp LOS	D	D	D	D		D	D	C	B	D	C	B
Approach Vol, veh/h		683			366			1263			1637	
Approach Delay, s/veh		41.4			46.4			27.1			29.9	
Approach LOS		D			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	13.1	50.1		25.5	22.8	40.3		19.8
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	17.7	63.3		37.0	32.5	48.5		37.0
Max Q Clear Time (g_c+I1), s	8.7	16.7		17.3	17.7	25.1		13.0
Green Ext Time (p_c), s	0.2	8.5		3.6	0.7	10.7		2.3

Intersection Summary	
HCM 2010 Ctrl Delay	32.5
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	15	356	66	358	566	633	126	380	441	395	396	55
Future Volume (veh/h)	15	356	66	358	566	633	126	380	441	395	396	55
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	15	356	66	358	566	633	126	380	0	395	396	55
Adj No. of Lanes	1	2	0	1	1	1	1	2	1	2	1	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	88	628	115	402	721	613	160	994	445	476	526	73
Arrive On Green	0.05	0.21	0.21	0.23	0.39	0.39	0.09	0.28	0.00	0.14	0.33	0.32
Sat Flow, veh/h	1774	2987	548	1774	1863	1583	1774	3539	1583	3442	1601	222
Grp Volume(v), veh/h	15	209	213	358	566	633	126	380	0	395	0	451
Grp Sat Flow(s),veh/h/ln	1774	1770	1766	1774	1863	1583	1774	1770	1583	1721	0	1824
Q Serve(g_s), s	0.9	11.8	12.0	21.7	29.7	43.0	7.7	9.6	0.0	12.4	0.0	24.5
Cycle Q Clear(g_c), s	0.9	11.8	12.0	21.7	29.7	43.0	7.7	9.6	0.0	12.4	0.0	24.5
Prop In Lane	1.00		0.31	1.00		1.00	1.00		1.00	1.00		0.12
Lane Grp Cap(c), veh/h	88	372	371	402	721	613	160	994	445	476	0	599
V/C Ratio(X)	0.17	0.56	0.57	0.89	0.78	1.03	0.79	0.38	0.00	0.83	0.00	0.75
Avail Cap(c_a), veh/h	296	379	379	602	721	613	176	994	445	552	0	599
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	50.6	39.3	39.4	41.6	29.9	34.0	49.4	32.2	0.0	46.6	0.0	33.3
Incr Delay (d2), s/veh	0.9	1.8	2.0	10.9	5.7	44.9	19.1	1.1	0.0	9.2	0.0	8.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	5.9	6.1	11.9	16.4	26.4	4.6	4.9	0.0	6.5	0.0	13.7
LnGrp Delay(d),s/veh	51.5	41.1	41.4	52.5	35.6	79.0	68.5	33.3	0.0	55.8	0.0	41.8
LnGrp LOS	D	D	D	D	D	F	E	C		E		D
Approach Vol, veh/h		437			1557			506			846	
Approach Delay, s/veh		41.6			57.1			42.0			48.3	
Approach LOS		D			E			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	19.3	35.2	29.1	27.4	14.0	40.5	9.5	47.0
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	13.3	29.2	37.2	23.3	10.5	36.0	18.0	42.5
Max Q Clear Time (g_c+I1), s	14.4	11.6	23.7	14.0	9.7	26.5	2.9	45.0
Green Ext Time (p_c), s	0.4	2.3	0.9	1.7	0.0	2.0	0.0	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	50.6
HCM 2010 LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	143	1036	52	618	1600	134	45	74	283	295	269	196
Future Volume (veh/h)	143	1036	52	618	1600	134	45	74	283	295	269	196
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	143	1036	52	618	1600	0	45	74	6	295	269	127
Adj No. of Lanes	2	3	0	2	3	1	1	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	244	1481	74	798	2337	728	124	130	111	692	374	318
Arrive On Green	0.07	0.30	0.29	0.23	0.46	0.00	0.07	0.07	0.07	0.20	0.20	0.20
Sat Flow, veh/h	3442	4960	249	3442	5085	1583	1774	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	143	708	380	618	1600	0	45	74	6	295	269	127
Grp Sat Flow(s),veh/h/ln	1721	1695	1819	1721	1695	1583	1774	1863	1583	1721	1863	1583
Q Serve(g_s), s	3.2	14.9	14.9	13.5	20.0	0.0	1.9	3.1	0.3	6.0	10.9	5.6
Cycle Q Clear(g_c), s	3.2	14.9	14.9	13.5	20.0	0.0	1.9	3.1	0.3	6.0	10.9	5.6
Prop In Lane	1.00		0.14	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	244	1012	543	798	2337	728	124	130	111	692	374	318
V/C Ratio(X)	0.59	0.70	0.70	0.77	0.68	0.00	0.36	0.57	0.05	0.43	0.72	0.40
Avail Cap(c_a), veh/h	470	1390	746	1198	3160	984	419	440	374	1240	671	571
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	36.2	25.0	25.1	28.9	17.1	0.0	35.7	36.2	34.9	28.1	30.0	27.9
Incr Delay (d2), s/veh	2.2	0.9	1.8	1.8	0.4	0.0	1.8	3.9	0.2	0.4	2.6	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	7.1	7.8	6.6	9.4	0.0	1.0	1.7	0.1	2.9	5.8	2.5
LnGrp Delay(d),s/veh	38.5	26.0	26.8	30.8	17.5	0.0	37.5	40.1	35.1	28.5	32.6	28.7
LnGrp LOS	D	C	C	C	B		D	D	D	C	C	C
Approach Vol, veh/h		1231			2218			125			691	
Approach Delay, s/veh		27.7			21.2			38.9			30.2	
Approach LOS		C			C			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		20.2	22.7	28.0		9.6	9.7	41.0
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		28.5	27.5	32.5		18.5	10.5	49.5
Max Q Clear Time (g_c+I1), s		12.9	15.5	16.9		5.1	5.2	22.0
Green Ext Time (p_c), s		2.8	1.9	6.6		0.4	0.2	14.5

Intersection Summary	
HCM 2010 Ctrl Delay	25.1
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	1001	370	59	2	379	145	44	25	5	124	10	1373
Future Volume (veh/h)	1001	370	59	2	379	145	44	25	5	124	10	1373
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1900	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	1088	402	64	2	379	145	44	25	5	131	0	1373
Adj No. of Lanes	2	1	1	1	2	1	0	2	0	2	0	2
Peak Hour Factor	0.92	0.92	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	1116	993	844	17	798	357	108	92	18	581	0	1567
Arrive On Green	0.32	0.53	0.53	0.01	0.23	0.23	0.06	0.06	0.05	0.16	0.00	0.17
Sat Flow, veh/h	3442	1863	1583	1774	3539	1583	1774	1508	302	3548	0	3167
Grp Volume(v), veh/h	1088	402	64	2	379	145	44	0	30	131	0	1373
Grp Sat Flow(s),veh/h/ln	1721	1863	1583	1774	1770	1583	1774	0	1810	1774	0	1583
Q Serve(g_s), s	22.2	9.1	1.4	0.1	6.6	5.5	1.7	0.0	1.1	2.3	0.0	4.4
Cycle Q Clear(g_c), s	22.2	9.1	1.4	0.1	6.6	5.5	1.7	0.0	1.1	2.3	0.0	4.4
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.17	1.00		1.00
Lane Grp Cap(c), veh/h	1116	993	844	17	798	357	108	0	111	581	0	1567
V/C Ratio(X)	0.98	0.40	0.08	0.12	0.47	0.41	0.41	0.00	0.27	0.23	0.00	0.88
Avail Cap(c_a), veh/h	1116	993	844	138	798	357	463	0	472	825	0	1785
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	23.7	9.9	8.1	34.8	23.8	23.4	32.1	0.0	31.8	25.8	0.0	16.0
Incr Delay (d2), s/veh	21.6	1.2	0.2	2.9	2.0	3.4	2.4	0.0	1.3	0.2	0.0	4.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	13.8	5.0	0.6	0.1	3.4	2.8	0.9	0.0	0.6	1.1	0.0	11.9
LnGrp Delay(d),s/veh	45.3	11.1	8.2	37.7	25.8	26.8	34.5	0.0	33.1	26.0	0.0	20.8
LnGrp LOS	D	B	A	D	C	C	C		C	C		C
Approach Vol, veh/h		1554			526			74			1504	
Approach Delay, s/veh		34.9			26.2			33.9			21.2	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		8.3	4.7	42.3		15.6	27.0	20.0
Change Period (Y+Rc), s		4.5	4.5	* 4.5		4.0	4.5	4.0
Max Green Setting (Gmax), s		18.0	5.0	* 34		16.5	22.5	16.0
Max Q Clear Time (g_c+I1), s		3.7	2.1	11.1		6.4	24.2	8.6
Green Ext Time (p_c), s		0.2	0.0	2.7		5.2	0.0	1.8

Intersection Summary	
HCM 2010 Ctrl Delay	28.0
HCM 2010 LOS	C

Notes

User approved pedestrian interval to be less than phase max green.
User approved volume balancing among the lanes for turning movement.
* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

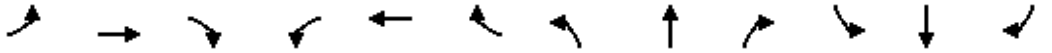
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	189	13	689	19	12	7	706	324	18	9	796	221
Future Volume (veh/h)	189	13	689	19	12	7	706	324	18	9	796	221
Number	3	8	18	7	4	14	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1900	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	130	0	392	19	12	7	706	324	18	9	796	221
Adj No. of Lanes	1	0	2	0	1	0	2	2	0	1	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	307	0	548	40	25	15	883	1801	100	33	1028	460
Arrive On Green	0.17	0.00	0.17	0.04	0.04	0.04	0.26	0.53	0.52	0.02	0.29	0.29
Sat Flow, veh/h	1774	0	3167	881	556	324	3442	3410	189	1774	3539	1583
Grp Volume(v), veh/h	130	0	392	38	0	0	706	168	174	9	796	221
Grp Sat Flow(s),veh/h/ln	1774	0	1583	1761	0	0	1721	1770	1829	1774	1770	1583
Q Serve(g_s), s	4.5	0.0	8.0	1.4	0.0	0.0	13.1	3.4	3.4	0.3	14.0	7.8
Cycle Q Clear(g_c), s	4.5	0.0	8.0	1.4	0.0	0.0	13.1	3.4	3.4	0.3	14.0	7.8
Prop In Lane	1.00		1.00	0.50		0.18	1.00		0.10	1.00		1.00
Lane Grp Cap(c), veh/h	307	0	548	79	0	0	883	935	966	33	1028	460
V/C Ratio(X)	0.42	0.00	0.72	0.48	0.00	0.00	0.80	0.18	0.18	0.27	0.77	0.48
Avail Cap(c_a), veh/h	482	0	860	479	0	0	1213	1078	1115	143	1195	535
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	25.1	0.0	26.6	31.8	0.0	0.0	23.7	8.4	8.4	32.9	22.1	19.9
Incr Delay (d2), s/veh	0.9	0.0	1.8	4.4	0.0	0.0	2.7	0.1	0.1	4.2	2.8	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.2	0.0	3.6	0.8	0.0	0.0	6.5	1.7	1.7	0.2	7.3	3.5
LnGrp Delay(d),s/veh	26.1	0.0	28.3	36.2	0.0	0.0	26.4	8.5	8.5	37.2	24.9	20.7
LnGrp LOS	C		C	D			C	A	A	D	C	C
Approach Vol, veh/h		522			38			1048			1026	
Approach Delay, s/veh		27.8			36.2			20.6			24.1	
Approach LOS		C			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	5.3	40.0		7.1	21.5	23.8		15.8
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	5.0	41.0		18.0	23.5	22.5		18.0
Max Q Clear Time (g_c+I1), s	2.3	5.4		3.4	15.1	16.0		10.0
Green Ext Time (p_c), s	0.0	2.1		0.1	1.9	3.3		1.3

Intersection Summary	
HCM 2010 Ctrl Delay	23.6
HCM 2010 LOS	C

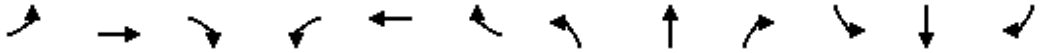
Notes

User approved volume balancing among the lanes for turning movement.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	12	115	58	184	92	129	1	1414	161	110	1322	22
Future Volume (vph)	12	115	58	184	92	129	1	1414	161	110	1322	22
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		3.0	3.0		3.0	3.0		3.0	3.0		3.0	
Lane Util. Factor		1.00	1.00		1.00	1.00		0.95	1.00		0.95	
Frt		1.00	0.85		1.00	0.85		1.00	0.85		1.00	
Flt Protected		1.00	1.00		0.97	1.00		1.00	1.00		1.00	
Satd. Flow (prot)		1854	1583		1803	1583		3539	1583		3518	
Flt Permitted		0.96	1.00		0.67	1.00		0.95	1.00		0.63	
Satd. Flow (perm)		1796	1583		1251	1583		3378	1583		2234	
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	12	115	58	184	92	129	1	1414	161	110	1322	22
RTOR Reduction (vph)	0	0	41	0	0	41	0	0	43	0	1	0
Lane Group Flow (vph)	0	127	17	0	276	88	0	1415	118	0	1453	0
Turn Type	Perm	NA	Perm	Perm	NA	Perm	Perm	NA	Perm	Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4		4	8		8	2		2	6		
Actuated Green, G (s)		24.5	24.5		24.5	24.5		56.5	56.5		56.5	
Effective Green, g (s)		26.0	26.0		26.0	26.0		58.0	58.0		58.0	
Actuated g/C Ratio		0.29	0.29		0.29	0.29		0.64	0.64		0.64	
Clearance Time (s)		4.5	4.5		4.5	4.5		4.5	4.5		4.5	
Lane Grp Cap (vph)		518	457		361	457		2176	1020		1439	
v/s Ratio Prot												
v/s Ratio Perm		0.07	0.01		c0.22	0.06		0.42	0.07		c0.65	
v/c Ratio		0.25	0.04		0.76	0.19		0.65	0.12		1.01	
Uniform Delay, d1		24.5	23.0		29.2	24.1		9.8	6.1		16.0	
Progression Factor		1.00	1.00		1.00	1.00		1.00	1.00		1.00	
Incremental Delay, d2		1.1	0.1		14.3	0.9		1.5	0.2		26.1	
Delay (s)		25.6	23.1		43.5	25.0		11.3	6.4		42.1	
Level of Service		C	C		D	C		B	A		D	
Approach Delay (s)		24.8			37.6			10.8			42.1	
Approach LOS		C			D			B			D	

Intersection Summary			
HCM 2000 Control Delay	27.1	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.93		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	6.0
Intersection Capacity Utilization	111.2%	ICU Level of Service	H
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	1111	582	578	1177	0	0	0	0	312	1	1068
Future Volume (vph)	0	1111	582	578	1177	0	0	0	0	312	1	1068
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	4.0
Lane Util. Factor		0.86	0.86	0.97	0.95						1.00	0.76
Frt		0.97	0.85	1.00	1.00						1.00	0.85
Flt Protected		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (prot)		4673	1362	3433	3539						1774	3610
Flt Permitted		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (perm)		4673	1362	3433	3539						1774	3610
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	0	1111	582	578	1177	0	0	0	0	312	1	1068
RTOR Reduction (vph)	0	36	214	0	0	0	0	0	0	0	0	7
Lane Group Flow (vph)	0	1325	118	578	1177	0	0	0	0	0	313	1061
Turn Type		NA	Perm	Prot	NA					Split	NA	custom
Protected Phases		2		3	8					6	6	2 6
Permitted Phases			2									
Actuated Green, G (s)		31.5	31.5	26.5	26.5						18.5	54.5
Effective Green, g (s)		32.0	32.0	27.0	27.0						19.0	55.0
Actuated g/C Ratio		0.36	0.36	0.30	0.30						0.21	0.61
Clearance Time (s)		4.5	4.5	4.5	4.5						4.5	
Vehicle Extension (s)		3.0	3.0	3.0	3.0						3.0	
Lane Grp Cap (vph)		1661	484	1029	1061						374	2206
v/s Ratio Prot		c0.28		0.17	c0.33						c0.18	0.29
v/s Ratio Perm			0.09									
v/c Ratio		0.80	0.24	0.56	1.11						0.84	0.48
Uniform Delay, d1		26.1	20.5	26.5	31.5						34.0	9.6
Progression Factor		1.00	1.00	1.00	1.00						1.00	1.00
Incremental Delay, d2		2.8	0.3	0.7	62.7						19.5	0.2
Delay (s)		28.8	20.7	27.2	94.2						53.5	9.8
Level of Service		C	C	C	F						D	A
Approach Delay (s)		27.3			72.1			0.0			19.7	
Approach LOS		C			E			A			B	

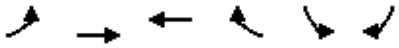
Intersection Summary					
HCM 2000 Control Delay	41.4	HCM 2000 Level of Service	D		
HCM 2000 Volume to Capacity ratio	0.91				
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	12.0		
Intersection Capacity Utilization	69.6%	ICU Level of Service	C		
Analysis Period (min)	15				

c Critical Lane Group

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	1151	0	0	214	1024	76
Future Volume (veh/h)	1151	0	0	214	1024	76
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	1863	1863	1863
Adj Flow Rate, veh/h	1151	0	0	214	1024	43
Adj No. of Lanes	2	1	0	2	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	0	2	2	2
Cap, veh/h	1662	743	0	1662	1396	642
Arrive On Green	0.47	0.00	0.00	0.47	0.41	0.41
Sat Flow, veh/h	3632	1583	0	3725	3442	1583
Grp Volume(v), veh/h	1151	0	0	214	1024	43
Grp Sat Flow(s),veh/h/ln	1770	1583	0	1770	1721	1583
Q Serve(g_s), s	12.3	0.0	0.0	1.6	12.1	0.8
Cycle Q Clear(g_c), s	12.3	0.0	0.0	1.6	12.1	0.8
Prop In Lane		1.00	0.00		1.00	1.00
Lane Grp Cap(c), veh/h	1662	743	0	1662	1396	642
V/C Ratio(X)	0.69	0.00	0.00	0.13	0.73	0.07
Avail Cap(c_a), veh/h	2135	955	0	2135	2148	988
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	10.0	0.0	0.0	7.2	12.1	8.7
Incr Delay (d2), s/veh	0.7	0.0	0.0	0.0	0.8	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.1	0.0	0.0	0.8	5.8	0.4
LnGrp Delay(d),s/veh	10.7	0.0	0.0	7.2	12.8	8.8
LnGrp LOS	B			A	B	A
Approach Vol, veh/h	1151			214	1067	
Approach Delay, s/veh	10.7			7.2	12.7	
Approach LOS	B			A	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		22.5		25.6				25.6
Change Period (Y+Rc), s		4.5		4.5				4.5
Max Green Setting (Gmax), s		28.5		27.5				27.5
Max Q Clear Time (g_c+I1), s		14.1		14.3				3.6
Green Ext Time (p_c), s		3.9		6.8				1.3

Intersection Summary	
HCM 2010 Ctrl Delay	11.3
HCM 2010 LOS	B



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	1262	1127	0	694	1127
Future Volume (veh/h)	0	1262	1127	0	694	1127
Number	7	4	8	18	1	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	0	1262	1127	0	602	1210
Adj No. of Lanes	0	3	3	0	1	2
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	0	2	2	2	2	2
Cap, veh/h	0	2032	2032	0	907	1618
Arrive On Green	0.00	0.40	0.40	0.00	0.51	0.51
Sat Flow, veh/h	0	5421	5421	0	1774	3167
Grp Volume(v), veh/h	0	1262	1127	0	602	1210
Grp Sat Flow(s),veh/h/ln	0	1695	1695	0	1774	1583
Q Serve(g_s), s	0.0	13.3	11.5	0.0	16.9	20.3
Cycle Q Clear(g_c), s	0.0	13.3	11.5	0.0	16.9	20.3
Prop In Lane	0.00			0.00	1.00	1.00
Lane Grp Cap(c), veh/h	0	2032	2032	0	907	1618
V/C Ratio(X)	0.00	0.62	0.55	0.00	0.66	0.75
Avail Cap(c_a), veh/h	0	3029	3029	0	1822	3253
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	16.1	15.6	0.0	12.2	13.0
Incr Delay (d2), s/veh	0.0	0.3	0.2	0.0	0.8	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	6.3	5.4	0.0	8.4	8.9
LnGrp Delay(d),s/veh	0.0	16.4	15.8	0.0	13.0	13.7
LnGrp LOS		B	B		B	B
Approach Vol, veh/h		1262	1127		1812	
Approach Delay, s/veh		16.4	15.8		13.5	
Approach LOS		B	B		B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs				4		6		8
Phs Duration (G+Y+Rc), s				29.8		37.3		29.8
Change Period (Y+Rc), s				4.5		4.5		4.5
Max Green Setting (Gmax), s				38.5		67.5		38.5
Max Q Clear Time (g_c+I1), s				15.3		22.3		13.5
Green Ext Time (p_c), s				10.0		10.5		9.1

Intersection Summary	
HCM 2010 Ctrl Delay	15.0
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	556	1435	352	414	1012	662	180	173	282	245	47	141
Future Volume (veh/h)	556	1435	352	414	1012	662	180	173	282	245	47	141
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	556	1435	191	414	1012	411	180	173	68	245	47	114
Adj No. of Lanes	1	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	582	1975	615	919	1664	518	353	191	585	410	222	188
Arrive On Green	0.33	0.39	0.39	0.27	0.33	0.33	0.10	0.10	0.10	0.12	0.12	0.12
Sat Flow, veh/h	1774	5085	1583	3442	5085	1583	3442	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	556	1435	191	414	1012	411	180	173	68	245	47	114
Grp Sat Flow(s),veh/h/ln	1774	1695	1583	1721	1695	1583	1721	1863	1583	1721	1863	1583
Q Serve(g_s), s	29.9	23.4	8.2	9.8	16.3	23.0	4.8	9.0	0.0	6.6	2.2	6.7
Cycle Q Clear(g_c), s	29.9	23.4	8.2	9.8	16.3	23.0	4.8	9.0	0.0	6.6	2.2	6.7
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	582	1975	615	919	1664	518	353	191	585	410	222	188
V/C Ratio(X)	0.96	0.73	0.31	0.45	0.61	0.79	0.51	0.91	0.12	0.60	0.21	0.61
Avail Cap(c_a), veh/h	582	2383	742	919	1851	576	353	191	585	1076	583	495
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	32.1	25.4	20.7	29.8	27.6	29.8	41.4	43.3	20.2	40.7	38.8	40.8
Incr Delay (d2), s/veh	26.5	0.9	0.3	0.3	0.5	6.8	1.2	39.8	0.1	1.4	0.5	3.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	19.0	11.1	3.6	4.7	7.7	11.0	2.4	6.7	1.2	3.2	1.2	3.1
LnGrp Delay(d),s/veh	58.5	26.3	21.0	30.1	28.0	36.6	42.7	83.1	20.3	42.1	39.3	43.9
LnGrp LOS	E	C	C	C	C	D	D	F	C	D	D	D
Approach Vol, veh/h		2182			1837			421			406	
Approach Delay, s/veh		34.1			30.4			55.7			42.3	
Approach LOS		C			C			E			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		14.6	29.0	40.9		13.0	35.0	34.9
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		29.0	20.3	44.2		8.5	30.5	34.0
Max Q Clear Time (g_c+I1), s		8.7	11.8	25.4		11.0	31.9	25.0
Green Ext Time (p_c), s		1.4	1.0	10.9		0.0	0.0	5.4

Intersection Summary	
HCM 2010 Ctrl Delay	35.2
HCM 2010 LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	125	749	47	534	336	953	38	552	908	996	938	43
Future Volume (veh/h)	125	749	47	534	336	953	38	552	908	996	938	43
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.89	1.00		0.90	1.00		0.96	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	125	749	47	534	336	869	38	552	864	996	938	43
Adj No. of Lanes	1	2	0	3	2	1	1	3	1	2	3	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	240	909	57	888	1108	759	49	1214	645	677	2030	93
Arrive On Green	0.14	0.27	0.27	0.18	0.31	0.31	0.03	0.24	0.24	0.20	0.41	0.41
Sat Flow, veh/h	1774	3354	210	5003	3539	1430	1774	5085	1527	3442	4978	228
Grp Volume(v), veh/h	125	395	401	534	336	869	38	552	864	996	638	343
Grp Sat Flow(s),veh/h/ln	1774	1770	1794	1668	1770	1430	1774	1695	1527	1721	1695	1815
Q Serve(g_s), s	10.2	32.5	32.5	15.2	11.2	48.5	3.3	14.4	37.0	30.5	21.3	21.4
Cycle Q Clear(g_c), s	10.2	32.5	32.5	15.2	11.2	48.5	3.3	14.4	37.0	30.5	21.3	21.4
Prop In Lane	1.00		0.12	1.00		1.00	1.00		1.00	1.00		0.13
Lane Grp Cap(c), veh/h	240	480	486	888	1108	759	49	1214	645	677	1383	740
V/C Ratio(X)	0.52	0.82	0.82	0.60	0.30	1.14	0.78	0.45	1.34	1.47	0.46	0.46
Avail Cap(c_a), veh/h	241	480	486	888	1108	759	102	1214	645	677	1383	740
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.79	0.79	0.79	0.69	0.69	0.69	1.00	1.00	1.00
Uniform Delay (d), s/veh	62.3	53.0	53.0	58.7	40.4	39.0	74.9	50.4	45.5	62.2	33.5	33.5
Incr Delay (d2), s/veh	2.0	14.8	14.7	0.9	0.6	77.6	16.4	0.9	159.7	219.8	1.1	2.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.1	17.9	18.1	7.1	5.5	48.8	1.8	6.8	56.2	35.2	10.1	11.1
LnGrp Delay(d),s/veh	64.3	67.8	67.7	59.6	41.0	116.5	91.3	51.2	205.2	282.1	34.6	35.6
LnGrp LOS	E	E	E	E	D	F	F	D	F	F	C	D
Approach Vol, veh/h		921			1739			1454			1977	
Approach Delay, s/veh		67.3			84.5			143.8			159.4	
Approach LOS		E			F			F			F	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	35.0	41.5	32.0	46.5	8.8	67.7	25.5	53.0
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	30.5	37.0	27.5	42.0	8.9	58.6	21.1	48.4
Max Q Clear Time (g_c+I1), s	32.5	39.0	17.2	34.5	5.3	23.4	12.2	50.5
Green Ext Time (p_c), s	0.0	0.0	1.6	3.0	0.0	7.9	0.2	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	120.4
HCM 2010 LOS	F

Notes

User approved changes to right turn type.

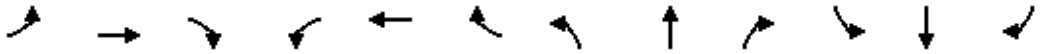
Intersection	
Int Delay, s/veh	6.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	50	5	320	6	7	1	86	209	8	2	145	50
Future Vol, veh/h	50	5	320	6	7	1	86	209	8	2	145	50
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	-	-	-	50	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	50	5	320	6	7	1	86	209	8	2	145	50

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	563	563	170	722	584	213	195	0	0	217	0	0
Stage 1	174	174	-	385	385	-	-	-	-	-	-	-
Stage 2	389	389	-	337	199	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	437	435	874	342	423	827	1378	-	-	1353	-	-
Stage 1	828	755	-	638	611	-	-	-	-	-	-	-
Stage 2	635	608	-	677	736	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	409	407	874	204	396	827	1378	-	-	1353	-	-
Mov Cap-2 Maneuver	409	407	-	204	396	-	-	-	-	-	-	-
Stage 1	777	753	-	598	573	-	-	-	-	-	-	-
Stage 2	587	570	-	425	735	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	12.1	18	2.2	0.1
HCM LOS	B	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1378	-	-	409	859	290	1353	-	-
HCM Lane V/C Ratio	0.062	-	-	0.122	0.378	0.048	0.001	-	-
HCM Control Delay (s)	7.8	-	-	15	11.7	18	7.7	0	-
HCM Lane LOS	A	-	-	C	B	C	A	A	-
HCM 95th %tile Q(veh)	0.2	-	-	0.4	1.8	0.2	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	332	149	56	13	85	136	50	956	31	254	1075	394
Future Volume (veh/h)	332	149	56	13	85	136	50	956	31	254	1075	394
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	332	149	56	13	85	136	50	956	31	254	1075	394
Adj No. of Lanes	1	1	0	0	2	1	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	404	294	111	52	357	179	71	1439	448	301	2097	653
Arrive On Green	0.23	0.23	0.23	0.11	0.11	0.11	0.04	0.28	0.28	0.17	0.41	0.41
Sat Flow, veh/h	1774	1292	485	456	3153	1583	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	332	0	205	52	46	136	50	956	31	254	1075	394
Grp Sat Flow(s),veh/h/ln	1774	0	1777	1840	1770	1583	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	15.5	0.0	8.8	2.3	2.0	7.3	2.4	14.5	1.2	12.1	13.7	17.0
Cycle Q Clear(g_c), s	15.5	0.0	8.8	2.3	2.0	7.3	2.4	14.5	1.2	12.1	13.7	17.0
Prop In Lane	1.00		0.27	0.25		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	404	0	405	209	201	179	71	1439	448	301	2097	653
V/C Ratio(X)	0.82	0.00	0.51	0.25	0.23	0.76	0.70	0.66	0.07	0.84	0.51	0.60
Avail Cap(c_a), veh/h	1067	0	1069	411	395	354	234	2885	898	803	4516	1406
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	32.0	0.0	29.4	35.3	35.2	37.5	41.4	27.6	22.9	35.1	19.1	20.1
Incr Delay (d2), s/veh	4.2	0.0	1.0	0.6	0.6	6.4	11.7	0.5	0.1	6.4	0.2	0.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.0	0.0	4.4	1.2	1.0	3.5	1.4	6.8	0.6	6.5	6.4	7.5
LnGrp Delay(d),s/veh	36.2	0.0	30.4	35.9	35.8	43.9	53.1	28.2	22.9	41.5	19.3	21.0
LnGrp LOS	D		C	D	D	D	D	C	C	D	B	C
Approach Vol, veh/h		537			234			1037			1723	
Approach Delay, s/veh		34.0			40.5			29.2			22.9	
Approach LOS		C			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	19.3	29.2		24.4	8.0	40.5		14.4
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	39.5	49.5		52.5	11.5	77.5		19.5
Max Q Clear Time (g_c+I1), s	14.1	16.5		17.5	4.4	19.0		9.3
Green Ext Time (p_c), s	0.7	8.2		2.4	0.0	13.1		0.7

Intersection Summary	
HCM 2010 Ctrl Delay	27.6
HCM 2010 LOS	C

Intersection	
Int Delay, s/veh	8.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	61	1	406	2	2	0	156	242	2	1	374	96
Future Vol, veh/h	61	1	406	2	2	0	156	242	2	1	374	96
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	-	0	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	61	1	406	2	2	0	156	242	2	1	374	96

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	980	980	422	1183	1027	243	470	0	0	244	0	0
Stage 1	424	424	-	555	555	-	-	-	-	-	-	-
Stage 2	556	556	-	628	472	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	229	250	632	166	234	796	1092	-	-	1322	-	-
Stage 1	608	587	-	516	513	-	-	-	-	-	-	-
Stage 2	515	513	-	471	559	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	202	214	632	53	200	796	1092	-	-	1322	-	-
Mov Cap-2 Maneuver	202	214	-	53	200	-	-	-	-	-	-	-
Stage 1	521	586	-	442	440	-	-	-	-	-	-	-
Stage 2	439	440	-	168	558	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	21.7	50	3.4	0
HCM LOS	C	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1092	-	-	202	632	84	1322	-	-
HCM Lane V/C Ratio	0.143	-	-	0.307	0.642	0.048	0.001	-	-
HCM Control Delay (s)	8.8	-	-	30.5	20.4	50	7.7	0	-
HCM Lane LOS	A	-	-	D	C	F	A	A	-
HCM 95th %tile Q(veh)	0.5	-	-	1.2	4.6	0.1	0	-	-

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	282	237	231	14	202	36	269	1094	49	150	889	323
Future Volume (veh/h)	282	237	231	14	202	36	269	1094	49	150	889	323
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	250	282	231	14	202	36	269	1094	49	150	889	323
Adj No. of Lanes	1	2	0	0	2	0	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	415	451	358	25	375	70	348	1853	577	219	1486	775
Arrive On Green	0.23	0.23	0.23	0.11	0.13	0.11	0.20	0.36	0.36	0.12	0.29	0.27
Sat Flow, veh/h	1774	1927	1529	195	2890	536	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	250	272	241	133	0	119	269	1094	49	150	889	323
Grp Sat Flow(s),veh/h/ln	1774	1863	1593	1853	0	1768	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	10.2	10.6	11.1	5.5	0.0	5.1	11.7	14.1	1.6	6.6	12.2	10.6
Cycle Q Clear(g_c), s	10.2	10.6	11.1	5.5	0.0	5.1	11.7	14.1	1.6	6.6	12.2	10.6
Prop In Lane	1.00		0.96	0.11		0.30	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	415	436	373	241	0	229	348	1853	577	219	1486	775
V/C Ratio(X)	0.60	0.62	0.65	0.55	0.00	0.52	0.77	0.59	0.08	0.68	0.60	0.42
Avail Cap(c_a), veh/h	897	942	806	880	0	840	875	3795	1182	460	2603	1123
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	27.7	27.8	28.0	33.2	0.0	33.1	30.9	20.9	16.9	34.0	24.6	13.3
Incr Delay (d2), s/veh	1.4	1.5	1.9	2.0	0.0	1.8	3.7	0.3	0.1	3.7	0.4	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.2	5.6	5.0	2.9	0.0	2.6	6.0	6.6	0.7	3.4	5.7	6.6
LnGrp Delay(d),s/veh	29.1	29.3	29.9	35.1	0.0	34.9	34.6	21.2	17.0	37.7	25.0	13.6
LnGrp LOS	C	C	C	D		C	C	C	B	D	C	B
Approach Vol, veh/h		763			252			1412			1362	
Approach Delay, s/veh		29.4			35.0			23.6			23.7	
Approach LOS		C			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	13.0	32.5		22.0	18.9	26.7		13.5
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	19.5	59.0		39.5	38.5	40.0		37.0
Max Q Clear Time (g_c+I1), s	8.6	16.1		13.1	13.7	14.2		7.5
Green Ext Time (p_c), s	0.3	9.9		4.4	0.8	8.0		1.6

Intersection Summary	
HCM 2010 Ctrl Delay	25.6
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	5	424	46	270	383	385	51	306	556	384	396	37
Future Volume (veh/h)	5	424	46	270	383	385	51	306	556	384	396	37
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	5	424	46	270	383	385	51	306	0	384	396	37
Adj No. of Lanes	1	2	0	1	1	1	1	2	1	2	1	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	86	534	58	307	541	460	66	1247	558	463	755	71
Arrive On Green	0.05	0.17	0.17	0.17	0.29	0.29	0.04	0.35	0.00	0.13	0.45	0.45
Sat Flow, veh/h	1774	3223	348	1774	1863	1583	1774	3539	1583	3442	1678	157
Grp Volume(v), veh/h	5	232	238	270	383	385	51	306	0	384	0	433
Grp Sat Flow(s),veh/h/ln	1774	1770	1801	1774	1863	1583	1774	1770	1583	1721	0	1835
Q Serve(g_s), s	0.3	13.0	13.1	15.3	19.0	23.5	2.9	6.3	0.0	11.2	0.0	17.5
Cycle Q Clear(g_c), s	0.3	13.0	13.1	15.3	19.0	23.5	2.9	6.3	0.0	11.2	0.0	17.5
Prop In Lane	1.00		0.19	1.00		1.00	1.00		1.00	1.00		0.09
Lane Grp Cap(c), veh/h	86	293	298	307	541	460	66	1247	558	463	0	825
V/C Ratio(X)	0.06	0.79	0.80	0.88	0.71	0.84	0.77	0.25	0.00	0.83	0.00	0.52
Avail Cap(c_a), veh/h	309	429	436	456	605	514	156	1269	568	617	0	825
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	46.8	41.3	41.4	41.6	32.7	34.3	49.2	23.7	0.0	43.5	0.0	20.5
Incr Delay (d2), s/veh	0.3	6.1	6.4	12.5	3.4	10.7	17.1	0.1	0.0	7.0	0.0	2.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	6.9	7.1	8.6	10.3	11.7	1.8	3.1	0.0	5.8	0.0	9.4
LnGrp Delay(d),s/veh	47.1	47.5	47.8	54.2	36.1	45.0	66.4	23.8	0.0	50.5	0.0	22.8
LnGrp LOS	D	D	D	D	D	D	E	C		D		C
Approach Vol, veh/h		475			1038			357			817	
Approach Delay, s/veh		47.6			44.1			29.9			35.8	
Approach LOS		D			D			C			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	18.4	40.8	22.4	21.6	8.3	50.9	9.5	34.5
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	18.5	37.0	26.5	25.0	9.1	46.4	18.0	33.5
Max Q Clear Time (g_c+I1), s	13.2	8.3	17.3	15.1	4.9	19.5	2.3	25.5
Green Ext Time (p_c), s	0.7	2.1	0.5	2.0	0.0	2.9	0.0	2.5

Intersection Summary	
HCM 2010 Ctrl Delay	40.3
HCM 2010 LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	237	1363	34	336	905	298	170	232	389	114	109	89
Future Volume (veh/h)	237	1363	34	336	905	298	170	232	389	114	109	89
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	237	1363	34	336	905	0	170	232	112	114	109	20
Adj No. of Lanes	2	3	0	2	3	1	1	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	337	1992	50	431	2125	662	296	311	264	317	172	146
Arrive On Green	0.10	0.39	0.39	0.13	0.42	0.00	0.17	0.17	0.17	0.09	0.09	0.09
Sat Flow, veh/h	3442	5103	127	3442	5085	1583	1774	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	237	905	492	336	905	0	170	232	112	114	109	20
Grp Sat Flow(s),veh/h/ln	1721	1695	1840	1721	1695	1583	1774	1863	1583	1721	1863	1583
Q Serve(g_s), s	5.3	17.8	17.8	7.6	10.1	0.0	7.1	9.5	5.1	2.5	4.5	0.9
Cycle Q Clear(g_c), s	5.3	17.8	17.8	7.6	10.1	0.0	7.1	9.5	5.1	2.5	4.5	0.9
Prop In Lane	1.00		0.07	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	337	1324	718	431	2125	662	296	311	264	317	172	146
V/C Ratio(X)	0.70	0.68	0.68	0.78	0.43	0.00	0.57	0.75	0.42	0.36	0.64	0.14
Avail Cap(c_a), veh/h	711	1973	1071	581	2768	862	544	571	485	969	524	446
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	34.9	20.3	20.3	33.9	16.5	0.0	30.7	31.7	29.8	34.1	35.0	33.4
Incr Delay (d2), s/veh	2.7	0.6	1.2	4.7	0.1	0.0	1.8	3.6	1.1	0.7	3.9	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.7	8.4	9.2	3.9	4.7	0.0	3.6	5.1	2.3	1.2	2.5	0.4
LnGrp Delay(d),s/veh	37.6	20.9	21.4	38.6	16.6	0.0	32.4	35.3	30.9	34.7	38.8	33.8
LnGrp LOS	D	C	C	D	B		C	D	C	C	D	C
Approach Vol, veh/h		1634			1241			514			243	
Approach Delay, s/veh		23.5			22.6			33.4			36.5	
Approach LOS		C			C			C			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		11.9	14.5	35.7		17.8	12.3	37.9
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		22.5	13.5	46.5		24.5	16.5	43.5
Max Q Clear Time (g_c+I1), s		6.5	9.6	19.8		11.5	7.3	12.1
Green Ext Time (p_c), s		0.9	0.5	11.4		1.9	0.5	7.5

Intersection Summary	
HCM 2010 Ctrl Delay	25.4
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	1260	616	49	2	181	86	31	20	9	226	11	693
Future Volume (veh/h)	1260	616	49	2	181	86	31	20	9	226	11	693
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1900	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	1370	670	53	2	181	86	31	20	9	234	0	693
Adj No. of Lanes	2	1	1	1	2	1	0	2	0	2	0	2
Peak Hour Factor	0.92	0.92	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	1500	993	844	5	353	158	90	63	29	492	0	1819
Arrive On Green	0.44	0.53	0.53	0.00	0.10	0.10	0.05	0.05	0.05	0.14	0.00	0.14
Sat Flow, veh/h	3442	1863	1583	1774	3539	1583	1751	1233	556	3548	0	3167
Grp Volume(v), veh/h	1370	670	53	2	181	86	31	0	29	234	0	693
Grp Sat Flow(s),veh/h/ln	1721	1863	1583	1774	1770	1583	1775	0	1765	1774	0	1583
Q Serve(g_s), s	23.8	16.7	1.0	0.1	3.1	3.3	1.1	0.0	1.0	3.9	0.0	0.0
Cycle Q Clear(g_c), s	23.8	16.7	1.0	0.1	3.1	3.3	1.1	0.0	1.0	3.9	0.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	0.99		0.31	1.00		1.00
Lane Grp Cap(c), veh/h	1500	993	844	5	353	158	91	0	91	492	0	1819
V/C Ratio(X)	0.91	0.67	0.06	0.41	0.51	0.54	0.34	0.00	0.32	0.48	0.00	0.38
Avail Cap(c_a), veh/h	1500	993	844	139	999	447	501	0	498	890	0	2175
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	16.9	10.9	7.2	31.8	27.2	27.3	29.2	0.0	29.2	25.3	0.0	7.4
Incr Delay (d2), s/veh	10.0	3.7	0.1	47.9	1.1	2.9	2.2	0.0	2.0	0.7	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	13.3	9.4	0.5	0.1	1.6	1.6	0.6	0.0	0.5	1.9	0.0	3.3
LnGrp Delay(d),s/veh	26.9	14.5	7.3	79.6	28.4	30.2	31.5	0.0	31.1	26.1	0.0	7.5
LnGrp LOS	C	B	A	E	C	C	C		C	C		A
Approach Vol, veh/h		2093			269			60			927	
Approach Delay, s/veh		22.4			29.3			31.3			12.2	
Approach LOS		C			C			C			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		7.8	4.7	38.5		12.8	32.3	10.9
Change Period (Y+Rc), s		4.5	4.5	* 4.5		4.0	4.5	4.5
Max Green Setting (Gmax), s		18.0	5.0	* 34		16.0	20.5	18.0
Max Q Clear Time (g_c+I1), s		3.1	2.1	18.7		5.9	25.8	5.3
Green Ext Time (p_c), s		0.2	0.0	4.3		3.0	0.0	1.1

Intersection Summary	
HCM 2010 Ctrl Delay	20.3
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	419	10	496	5	6	5	1026	324	11	14	531	76
Future Volume (veh/h)	419	10	496	5	6	5	1026	324	11	14	531	76
Number	3	8	18	7	4	14	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1900	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	502	0	172	5	6	5	1026	324	11	14	531	76
Adj No. of Lanes	2	0	1	0	1	0	2	2	0	1	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	670	0	299	10	12	10	1209	1874	63	30	715	320
Arrive On Green	0.19	0.00	0.19	0.02	0.02	0.02	0.35	0.54	0.54	0.02	0.20	0.20
Sat Flow, veh/h	3548	0	1583	544	652	544	3442	3493	118	1774	3539	1583
Grp Volume(v), veh/h	502	0	172	16	0	0	1026	164	171	14	531	76
Grp Sat Flow(s),veh/h/ln	1774	0	1583	1740	0	0	1721	1770	1842	1774	1770	1583
Q Serve(g_s), s	10.1	0.0	7.4	0.7	0.0	0.0	20.8	3.6	3.6	0.6	10.6	3.0
Cycle Q Clear(g_c), s	10.1	0.0	7.4	0.7	0.0	0.0	20.8	3.6	3.6	0.6	10.6	3.0
Prop In Lane	1.00		1.00	0.31		0.31	1.00		0.06	1.00		1.00
Lane Grp Cap(c), veh/h	670	0	299	33	0	0	1209	949	988	30	715	320
V/C Ratio(X)	0.75	0.00	0.58	0.49	0.00	0.00	0.85	0.17	0.17	0.47	0.74	0.24
Avail Cap(c_a), veh/h	1201	0	536	416	0	0	1668	1257	1308	118	1034	462
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	28.9	0.0	27.8	36.6	0.0	0.0	22.6	8.9	8.9	36.7	28.2	25.2
Incr Delay (d2), s/veh	1.7	0.0	1.7	10.7	0.0	0.0	3.2	0.1	0.1	10.9	1.7	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.1	0.0	3.4	0.4	0.0	0.0	10.4	1.8	1.8	0.4	5.3	1.4
LnGrp Delay(d),s/veh	30.6	0.0	29.6	47.3	0.0	0.0	25.7	9.0	9.0	47.6	29.9	25.6
LnGrp LOS	C		C	D			C	A	A	D	C	C
Approach Vol, veh/h		674			16			1361			621	
Approach Delay, s/veh		30.3			47.3			21.6			29.8	
Approach LOS		C			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	5.8	44.9		5.9	31.0	19.7		18.7
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	5.0	53.5		18.0	36.5	22.0		25.5
Max Q Clear Time (g_c+I1), s	2.6	5.6		2.7	22.8	12.6		12.1
Green Ext Time (p_c), s	0.0	2.1		0.0	3.7	2.6		2.1

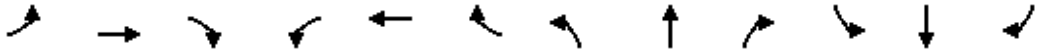
Intersection Summary	
HCM 2010 Ctrl Delay	25.9
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	18	183	71	128	89	82	0	1362	252	99	1235	27
Future Volume (vph)	18	183	71	128	89	82	0	1362	252	99	1235	27
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		3.0	3.0		3.0	3.0		3.0	3.0		3.0	
Lane Util. Factor		1.00	1.00		1.00	1.00		0.95	1.00		0.95	
Frt		1.00	0.85		1.00	0.85		1.00	0.85		1.00	
Flt Protected		1.00	1.00		0.97	1.00		1.00	1.00		1.00	
Satd. Flow (prot)		1854	1583		1809	1583		3539	1583		3516	
Flt Permitted		0.97	1.00		0.61	1.00		1.00	1.00		0.66	
Satd. Flow (perm)		1799	1583		1141	1583		3539	1583		2341	
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	18	183	71	128	89	82	0	1362	252	99	1235	27
RTOR Reduction (vph)	0	0	50	0	0	46	0	0	70	0	1	0
Lane Group Flow (vph)	0	201	21	0	217	36	0	1362	182	0	1360	0
Turn Type	Perm	NA	Perm	Perm	NA	Perm		NA	Perm	Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4		4	8		8			2	6		
Actuated Green, G (s)		24.5	24.5		24.5	24.5		56.5	56.5		56.5	
Effective Green, g (s)		26.0	26.0		26.0	26.0		58.0	58.0		58.0	
Actuated g/C Ratio		0.29	0.29		0.29	0.29		0.64	0.64		0.64	
Clearance Time (s)		4.5	4.5		4.5	4.5		4.5	4.5		4.5	
Lane Grp Cap (vph)		519	457		329	457		2280	1020		1508	
v/s Ratio Prot								0.38				
v/s Ratio Perm		0.11	0.01		c0.19	0.02			0.11		c0.58	
v/c Ratio		0.39	0.04		0.66	0.08		0.60	0.18		0.90	
Uniform Delay, d1		25.6	23.1		28.1	23.3		9.2	6.4		13.6	
Progression Factor		1.00	1.00		1.00	1.00		1.00	1.00		1.00	
Incremental Delay, d2		2.2	0.2		10.0	0.3		1.2	0.4		9.1	
Delay (s)		27.8	23.2		38.1	23.6		10.4	6.8		22.7	
Level of Service		C	C		D	C		B	A		C	
Approach Delay (s)		26.6			34.1			9.9			22.7	
Approach LOS		C			C			A			C	

Intersection Summary			
HCM 2000 Control Delay	18.1	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.83		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	6.0
Intersection Capacity Utilization	111.2%	ICU Level of Service	H
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	1387	561	271	628	0	0	0	0	400	21	920
Future Volume (vph)	0	1387	561	271	628	0	0	0	0	400	21	920
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.5	4.5	4.5	4.5						4.5	4.5
Lane Util. Factor		0.86	0.86	0.97	0.95						1.00	0.76
Frt		0.99	0.85	1.00	1.00						1.00	0.85
Flt Protected		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (prot)		4747	1362	3433	3539						1778	3610
Flt Permitted		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (perm)		4747	1362	3433	3539						1778	3610
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	0	1387	561	271	628	0	0	0	0	400	21	920
RTOR Reduction (vph)	0	8	137	0	0	0	0	0	0	0	0	13
Lane Group Flow (vph)	0	1502	301	271	628	0	0	0	0	0	421	907
Turn Type		NA	Perm	Prot	NA					Split	NA	custom
Protected Phases		2		3	8					6	6	2 6
Permitted Phases			2									
Actuated Green, G (s)		40.8	40.8	23.5	23.5						35.2	80.5
Effective Green, g (s)		40.8	40.8	23.5	23.5						35.2	80.5
Actuated g/C Ratio		0.36	0.36	0.21	0.21						0.31	0.71
Clearance Time (s)		4.5	4.5	4.5	4.5						4.5	
Vehicle Extension (s)		3.0	3.0	3.0	3.0						3.0	
Lane Grp Cap (vph)		1713	491	713	735						553	2571
v/s Ratio Prot		c0.32		0.08	c0.18						c0.24	0.25
v/s Ratio Perm			0.22									
v/c Ratio		0.88	0.61	0.38	0.85						0.76	0.35
Uniform Delay, d1		33.8	29.6	38.5	43.1						35.1	6.2
Progression Factor		1.00	1.00	1.00	1.00						1.00	1.00
Incremental Delay, d2		6.7	5.6	0.3	9.5						6.1	0.1
Delay (s)		40.4	35.2	38.8	52.6						41.2	6.3
Level of Service		D	D	D	D						D	A
Approach Delay (s)		39.3			48.5			0.0			17.3	
Approach LOS		D			D			A			B	

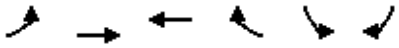
Intersection Summary					
HCM 2000 Control Delay	34.2	HCM 2000 Level of Service	C		
HCM 2000 Volume to Capacity ratio	0.83				
Actuated Cycle Length (s)	113.0	Sum of lost time (s)	13.5		
Intersection Capacity Utilization	73.2%	ICU Level of Service	D		
Analysis Period (min)	15				

c Critical Lane Group

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	654	0	0	449	806	95
Future Volume (veh/h)	654	0	0	449	806	95
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	1863	1863	1863
Adj Flow Rate, veh/h	654	0	0	449	806	62
Adj No. of Lanes	2	1	0	2	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	0	2	2	2
Cap, veh/h	1417	634	0	1417	1392	640
Arrive On Green	0.40	0.00	0.00	0.40	0.40	0.40
Sat Flow, veh/h	3632	1583	0	3725	3442	1583
Grp Volume(v), veh/h	654	0	0	449	806	62
Grp Sat Flow(s),veh/h/ln	1770	1583	0	1770	1721	1583
Q Serve(g_s), s	4.2	0.0	0.0	2.7	5.6	0.7
Cycle Q Clear(g_c), s	4.2	0.0	0.0	2.7	5.6	0.7
Prop In Lane		1.00	0.00		1.00	1.00
Lane Grp Cap(c), veh/h	1417	634	0	1417	1392	640
V/C Ratio(X)	0.46	0.00	0.00	0.32	0.58	0.10
Avail Cap(c_a), veh/h	3456	1546	0	3456	3249	1495
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	6.8	0.0	0.0	6.3	7.1	5.7
Incr Delay (d2), s/veh	0.2	0.0	0.0	0.1	0.4	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.0	0.0	0.0	1.3	2.6	0.3
LnGrp Delay(d),s/veh	7.0	0.0	0.0	6.5	7.5	5.7
LnGrp LOS	A			A	A	A
Approach Vol, veh/h	654			449	868	
Approach Delay, s/veh	7.0			6.5	7.4	
Approach LOS	A			A	A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		15.4		15.3				15.3
Change Period (Y+Rc), s		4.5		4.5				4.5
Max Green Setting (Gmax), s		27.5		28.5				28.5
Max Q Clear Time (g_c+I1), s		7.6		6.2				4.7
Green Ext Time (p_c), s		3.3		4.6				3.1

Intersection Summary	
HCM 2010 Ctrl Delay	7.0
HCM 2010 LOS	A



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	1319	1082	0	462	989
Future Volume (veh/h)	0	1319	1082	0	462	989
Number	7	4	8	18	1	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	0	1319	1082	0	462	973
Adj No. of Lanes	0	3	3	0	1	2
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	0	2	2	2	2	2
Cap, veh/h	0	2328	2328	0	776	1385
Arrive On Green	0.00	0.46	0.46	0.00	0.44	0.44
Sat Flow, veh/h	0	5421	5421	0	1774	3167
Grp Volume(v), veh/h	0	1319	1082	0	462	973
Grp Sat Flow(s),veh/h/ln	0	1695	1695	0	1774	1583
Q Serve(g_s), s	0.0	10.8	8.4	0.0	11.3	14.3
Cycle Q Clear(g_c), s	0.0	10.8	8.4	0.0	11.3	14.3
Prop In Lane	0.00			0.00	1.00	1.00
Lane Grp Cap(c), veh/h	0	2328	2328	0	776	1385
V/C Ratio(X)	0.00	0.57	0.46	0.00	0.60	0.70
Avail Cap(c_a), veh/h	0	3918	3918	0	2019	3604
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	11.3	10.7	0.0	12.2	13.1
Incr Delay (d2), s/veh	0.0	0.2	0.1	0.0	0.7	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	5.1	3.9	0.0	5.7	6.3
LnGrp Delay(d),s/veh	0.0	11.6	10.8	0.0	13.0	13.7
LnGrp LOS		B	B		B	B
Approach Vol, veh/h		1319	1082		1435	
Approach Delay, s/veh		11.6	10.8		13.5	
Approach LOS		B	B		B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs				4		6		8
Phs Duration (G+Y+Rc), s				29.1		28.0		29.1
Change Period (Y+Rc), s				4.5		4.5		4.5
Max Green Setting (Gmax), s				42.5		63.5		42.5
Max Q Clear Time (g_c+I1), s				12.8		16.3		10.4
Green Ext Time (p_c), s				11.8		7.2		9.4

Intersection Summary	
HCM 2010 Ctrl Delay	12.1
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	189	1087	354	314	1565	317	456	86	528	569	99	372
Future Volume (veh/h)	189	1087	354	314	1565	317	456	86	528	569	99	372
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	189	1087	193	314	1565	66	456	86	314	569	99	345
Adj No. of Lanes	1	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	230	1277	398	813	1821	567	534	289	620	873	472	402
Arrive On Green	0.13	0.25	0.25	0.24	0.36	0.36	0.16	0.16	0.16	0.25	0.25	0.25
Sat Flow, veh/h	1774	5085	1583	3442	5085	1583	3442	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	189	1087	193	314	1565	66	456	86	314	569	99	345
Grp Sat Flow(s),veh/h/ln	1774	1695	1583	1721	1695	1583	1721	1863	1583	1721	1863	1583
Q Serve(g_s), s	12.0	23.6	12.0	8.9	33.1	3.2	15.0	4.7	0.0	17.1	4.9	24.1
Cycle Q Clear(g_c), s	12.0	23.6	12.0	8.9	33.1	3.2	15.0	4.7	0.0	17.1	4.9	24.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	230	1277	398	813	1821	567	534	289	620	873	472	402
V/C Ratio(X)	0.82	0.85	0.49	0.39	0.86	0.12	0.85	0.30	0.51	0.65	0.21	0.86
Avail Cap(c_a), veh/h	230	1316	410	831	1887	587	534	289	620	950	514	437
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	49.2	41.3	37.0	37.2	34.5	24.9	47.7	43.4	26.8	38.7	34.1	41.3
Incr Delay (d2), s/veh	20.9	5.4	0.9	0.3	4.2	0.1	12.6	0.6	0.7	1.4	0.2	14.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.2	11.7	5.4	4.3	16.2	1.4	8.0	2.5	7.7	8.3	2.5	12.1
LnGrp Delay(d),s/veh	70.1	46.7	37.9	37.5	38.6	25.0	60.3	43.9	27.4	40.1	34.3	56.1
LnGrp LOS	E	D	D	D	D	C	E	D	C	D	C	E
Approach Vol, veh/h		1469			1945			856			1013	
Approach Delay, s/veh		48.6			38.0			46.6			45.0	
Approach LOS		D			D			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		32.4	30.4	32.1		21.0	18.0	44.5
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		30.5	26.5	28.5		16.5	13.5	41.5
Max Q Clear Time (g_c+I1), s		26.1	10.9	25.6		17.0	14.0	35.1
Green Ext Time (p_c), s		1.8	1.0	2.0		0.0	0.0	4.9

Intersection Summary	
HCM 2010 Ctrl Delay	43.7
HCM 2010 LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	137	355	41	652	702	1248	67	754	797	819	880	70
Future Volume (veh/h)	137	355	41	652	702	1248	67	754	797	819	880	70
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.89	1.00		0.90	1.00		0.96	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	137	355	41	652	702	1164	67	754	753	819	880	70
Adj No. of Lanes	1	2	0	3	2	1	1	3	1	2	3	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	159	855	98	639	1094	832	85	1214	567	848	2097	166
Arrive On Green	0.09	0.27	0.27	0.13	0.31	0.31	0.05	0.24	0.24	0.25	0.44	0.44
Sat Flow, veh/h	1774	3156	360	5003	3539	1428	1774	5085	1527	3442	4794	380
Grp Volume(v), veh/h	137	197	199	652	702	1164	67	754	753	819	621	329
Grp Sat Flow(s),veh/h/ln	1774	1770	1746	1668	1770	1428	1774	1695	1527	1721	1695	1784
Q Serve(g_s), s	11.8	14.2	14.5	19.8	26.5	47.9	5.8	20.5	37.0	36.5	19.6	19.7
Cycle Q Clear(g_c), s	11.8	14.2	14.5	19.8	26.5	47.9	5.8	20.5	37.0	36.5	19.6	19.7
Prop In Lane	1.00		0.21	1.00		1.00	1.00		1.00	1.00		0.21
Lane Grp Cap(c), veh/h	159	480	473	639	1094	832	85	1214	567	848	1483	781
V/C Ratio(X)	0.86	0.41	0.42	1.02	0.64	1.40	0.79	0.62	1.33	0.97	0.42	0.42
Avail Cap(c_a), veh/h	207	480	473	639	1094	832	141	1214	567	848	1483	781
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.48	0.48	0.48	0.65	0.65	0.65	1.00	1.00	1.00
Uniform Delay (d), s/veh	69.6	46.4	46.5	67.6	46.1	35.5	73.0	52.7	49.3	57.7	30.0	30.1
Incr Delay (d2), s/veh	23.9	2.6	2.7	29.9	1.4	183.4	10.2	1.6	155.8	22.8	0.9	1.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.8	7.3	7.4	10.9	13.2	77.9	3.1	9.8	48.8	20.0	9.3	10.0
LnGrp Delay(d),s/veh	93.5	48.9	49.2	97.5	47.6	219.0	83.2	54.3	205.1	80.5	30.9	31.7
LnGrp LOS	F	D	D	F	D	F	F	D	F	F	C	C
Approach Vol, veh/h		533			2518			1574			1769	
Approach Delay, s/veh		60.5			139.7			127.7			54.0	
Approach LOS		E			F			F			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	42.7	41.5	24.3	46.5	11.9	72.3	18.4	52.4
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	38.2	37.0	19.8	42.0	12.3	62.9	18.1	43.7
Max Q Clear Time (g_c+I1), s	38.5	39.0	21.8	16.5	7.8	21.7	13.8	49.9
Green Ext Time (p_c), s	0.0	0.0	0.0	2.4	0.0	7.8	0.1	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	106.5
HCM 2010 LOS	F

Notes

User approved changes to right turn type.

Intersection	
Int Delay, s/veh	6.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	90	0	208	10	12	3	159	267	1	0	123	159
Future Vol, veh/h	90	0	208	10	12	3	159	267	1	0	123	159
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	-	-	-	50	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	90	0	208	10	12	3	159	267	1	0	123	159

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	796	789	203	893	868	268	282	0	0	268	0	0
Stage 1	203	203	-	586	586	-	-	-	-	-	-	-
Stage 2	593	586	-	307	282	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	305	323	838	262	290	771	1280	-	-	1296	-	-
Stage 1	799	733	-	496	497	-	-	-	-	-	-	-
Stage 2	492	497	-	703	678	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	265	283	838	178	254	771	1280	-	-	1296	-	-
Mov Cap-2 Maneuver	265	283	-	178	254	-	-	-	-	-	-	-
Stage 1	700	733	-	434	435	-	-	-	-	-	-	-
Stage 2	417	435	-	529	678	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	15.1	22.3	3.1	0
HCM LOS	C	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1280	-	-	265	838	233	1296	-	-
HCM Lane V/C Ratio	0.124	-	-	0.34	0.248	0.107	-	-	-
HCM Control Delay (s)	8.2	-	-	25.4	10.7	22.3	0	-	-
HCM Lane LOS	A	-	-	D	B	C	A	-	-
HCM 95th %tile Q(veh)	0.4	-	-	1.4	1	0.4	0	-	-

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	296	103	86	40	113	242	89	991	52	280	1297	263
Future Volume (veh/h)	296	103	86	40	113	242	89	991	52	280	1297	263
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	296	103	86	40	113	242	89	991	52	280	1297	263
Adj No. of Lanes	1	1	0	0	2	1	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	361	191	160	162	488	287	123	1393	434	328	1981	617
Arrive On Green	0.20	0.20	0.20	0.18	0.18	0.18	0.07	0.27	0.27	0.18	0.39	0.39
Sat Flow, veh/h	1774	940	785	893	2695	1583	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	296	0	189	81	72	242	89	991	52	280	1297	263
Grp Sat Flow(s),veh/h/ln	1774	0	1724	1818	1770	1583	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	16.3	0.0	10.0	3.9	3.5	15.1	5.0	18.0	2.5	15.6	21.4	12.4
Cycle Q Clear(g_c), s	16.3	0.0	10.0	3.9	3.5	15.1	5.0	18.0	2.5	15.6	21.4	12.4
Prop In Lane	1.00		0.46	0.49		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	361	0	351	330	321	287	123	1393	434	328	1981	617
V/C Ratio(X)	0.82	0.00	0.54	0.25	0.22	0.84	0.73	0.71	0.12	0.85	0.65	0.43
Avail Cap(c_a), veh/h	694	0	675	427	416	372	278	2090	651	660	3184	991
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	38.9	0.0	36.5	35.9	35.7	40.4	46.6	33.5	27.9	40.3	25.6	22.8
Incr Delay (d2), s/veh	4.6	0.0	1.3	0.4	0.3	12.9	7.9	0.7	0.1	6.3	0.4	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.4	0.0	4.9	2.0	1.8	7.6	2.7	8.5	1.1	8.2	10.0	5.5
LnGrp Delay(d),s/veh	43.6	0.0	37.8	36.3	36.1	53.4	54.5	34.1	28.0	46.6	25.9	23.3
LnGrp LOS	D		D	D	D	D	D	C	C	D	C	C
Approach Vol, veh/h		485			395			1132			1840	
Approach Delay, s/veh		41.3			46.7			35.5			28.7	
Approach LOS		D			D			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	22.9	32.0		24.8	11.1	43.8		22.5
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	37.5	41.5		39.5	15.5	63.5		23.5
Max Q Clear Time (g_c+I1), s	17.6	20.0		18.3	7.0	23.4		17.1
Green Ext Time (p_c), s	0.8	7.5		2.0	0.1	14.5		0.9

Intersection Summary	
HCM 2010 Ctrl Delay	34.1
HCM 2010 LOS	C

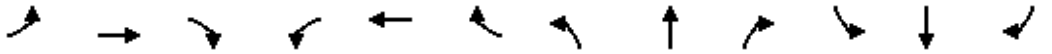
Intersection	
Int Delay, s/veh	7.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	67	0	268	4	5	1	252	402	0	0	230	127
Future Vol, veh/h	67	0	268	4	5	1	252	402	0	0	230	127
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	-	0	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	67	0	268	4	5	1	252	402	0	0	230	127

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1203	1200	294	1334	1263	402	357	0	0	402	0	0
Stage 1	294	294	-	906	906	-	-	-	-	-	-	-
Stage 2	909	906	-	428	357	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	161	185	745	131	170	648	1202	-	-	1157	-	-
Stage 1	714	670	-	331	355	-	-	-	-	-	-	-
Stage 2	329	355	-	605	628	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	131	146	745	70	134	648	1202	-	-	1157	-	-
Mov Cap-2 Maneuver	131	146	-	70	134	-	-	-	-	-	-	-
Stage 1	564	670	-	261	280	-	-	-	-	-	-	-
Stage 2	255	280	-	387	628	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	21.6	43.3	3.4	0
HCM LOS	C	E		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1202	-	-	131	745	104	1157	-	-
HCM Lane V/C Ratio	0.21	-	-	0.511	0.36	0.096	-	-	-
HCM Control Delay (s)	8.8	-	-	58.2	12.5	43.3	0	-	-
HCM Lane LOS	A	-	-	F	B	E	A	-	-
HCM 95th %tile Q(veh)	0.8	-	-	2.4	1.6	0.3	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	250	192	239	32	248	143	267	986	24	126	1247	277
Future Volume (veh/h)	250	192	239	32	248	143	267	986	24	126	1247	277
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	227	224	239	32	248	143	267	986	10	126	1247	277
Adj No. of Lanes	1	2	0	0	2	0	1	3	1	1	3	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	362	380	323	44	347	210	322	2132	664	176	1715	871
Arrive On Green	0.20	0.20	0.20	0.16	0.17	0.16	0.18	0.42	0.42	0.10	0.34	0.34
Sat Flow, veh/h	1774	1863	1583	257	2020	1220	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	227	224	239	230	0	193	267	986	10	126	1247	277
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1850	0	1647	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	13.3	12.4	16.2	13.4	0.0	12.6	16.5	15.9	0.4	7.9	24.6	10.9
Cycle Q Clear(g_c), s	13.3	12.4	16.2	13.4	0.0	12.6	16.5	15.9	0.4	7.9	24.6	10.9
Prop In Lane	1.00		1.00	0.14		0.74	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	362	380	323	318	0	283	322	2132	664	176	1715	871
V/C Ratio(X)	0.63	0.59	0.74	0.72	0.00	0.68	0.83	0.46	0.02	0.71	0.73	0.32
Avail Cap(c_a), veh/h	599	629	535	625	0	556	529	2890	900	299	2230	1032
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	41.4	41.0	42.8	44.7	0.0	44.8	45.0	23.9	19.4	49.8	33.2	14.0
Incr Delay (d2), s/veh	1.8	1.5	3.3	3.1	0.0	2.9	5.7	0.2	0.0	5.3	0.9	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.7	6.6	7.3	7.1	0.0	5.9	8.6	7.5	0.2	4.1	11.6	7.0
LnGrp Delay(d),s/veh	43.2	42.5	46.1	47.8	0.0	47.7	50.7	24.0	19.4	55.1	34.0	14.2
LnGrp LOS	D	D	D	D		D	D	C	B	E	C	B
Approach Vol, veh/h		690			423			1263			1650	
Approach Delay, s/veh		44.0			47.8			29.6			32.3	
Approach LOS		D			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	14.3	50.8		26.3	23.7	41.5		22.6
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	17.7	63.3		37.0	32.5	48.5		37.0
Max Q Clear Time (g_c+I1), s	9.9	17.9		18.2	18.5	26.6		15.4
Green Ext Time (p_c), s	0.2	8.5		3.6	0.6	10.4		2.7

Intersection Summary	
HCM 2010 Ctrl Delay	35.1
HCM 2010 LOS	D

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	15	356	66	358	566	641	126	380	441	417	396	55
Future Volume (veh/h)	15	356	66	358	566	641	126	380	441	417	396	55
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	15	356	66	358	566	641	126	380	0	417	396	55
Adj No. of Lanes	1	2	0	1	1	1	1	2	1	2	1	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	88	628	115	402	721	613	160	974	436	495	526	73
Arrive On Green	0.05	0.21	0.21	0.23	0.39	0.39	0.09	0.28	0.00	0.14	0.33	0.32
Sat Flow, veh/h	1774	2987	548	1774	1863	1583	1774	3539	1583	3442	1601	222
Grp Volume(v), veh/h	15	209	213	358	566	641	126	380	0	417	0	451
Grp Sat Flow(s),veh/h/ln	1774	1770	1766	1774	1863	1583	1774	1770	1583	1721	0	1824
Q Serve(g_s), s	0.9	11.8	12.0	21.7	29.7	43.0	7.7	9.7	0.0	13.1	0.0	24.5
Cycle Q Clear(g_c), s	0.9	11.8	12.0	21.7	29.7	43.0	7.7	9.7	0.0	13.1	0.0	24.5
Prop In Lane	1.00		0.31	1.00		1.00	1.00		1.00	1.00		0.12
Lane Grp Cap(c), veh/h	88	372	371	402	721	613	160	974	436	495	0	599
V/C Ratio(X)	0.17	0.56	0.57	0.89	0.78	1.05	0.79	0.39	0.00	0.84	0.00	0.75
Avail Cap(c_a), veh/h	296	379	379	602	721	613	176	974	436	552	0	599
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	50.6	39.3	39.4	41.6	29.9	34.0	49.4	32.7	0.0	46.3	0.0	33.3
Incr Delay (d2), s/veh	0.9	1.8	2.0	10.9	5.7	48.8	19.1	1.2	0.0	10.4	0.0	8.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	5.9	6.1	11.9	16.4	27.0	4.6	4.9	0.0	7.0	0.0	13.7
LnGrp Delay(d),s/veh	51.5	41.1	41.4	52.5	35.6	82.8	68.5	33.8	0.0	56.7	0.0	41.8
LnGrp LOS	D	D	D	D	D	F	E	C		E		D
Approach Vol, veh/h		437			1565			506			868	
Approach Delay, s/veh		41.6			58.8			42.5			48.9	
Approach LOS		D			E			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	20.0	34.6	29.1	27.4	14.0	40.5	9.5	47.0
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	15.5	30.1	24.6	22.9	9.5	36.0	5.0	42.5
Max Q Clear Time (g_c+I1), s	15.1	11.7	23.7	14.0	9.7	26.5	2.9	45.0
Green Ext Time (p_c), s	0.4	2.3	0.9	1.7	0.0	2.0	0.0	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	51.6
HCM 2010 LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	143	1058	52	618	1608	134	45	74	283	295	269	196
Future Volume (veh/h)	143	1058	52	618	1608	134	45	74	283	295	269	196
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	143	1058	52	618	1608	0	45	74	6	295	269	127
Adj No. of Lanes	2	3	0	2	3	1	1	1	1	2	1	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	243	1502	74	788	2342	729	124	130	110	691	374	318
Arrive On Green	0.07	0.30	0.30	0.23	0.46	0.00	0.07	0.07	0.07	0.20	0.20	0.20
Sat Flow, veh/h	3442	4966	244	3442	5085	1583	1774	1863	1583	3442	1863	1583
Grp Volume(v), veh/h	143	722	388	618	1608	0	45	74	6	295	269	127
Grp Sat Flow(s),veh/h/ln	1721	1695	1820	1721	1695	1583	1774	1863	1583	1721	1863	1583
Q Serve(g_s), s	3.3	15.2	15.3	13.6	20.1	0.0	2.0	3.1	0.3	6.0	10.9	5.6
Cycle Q Clear(g_c), s	3.3	15.2	15.3	13.6	20.1	0.0	2.0	3.1	0.3	6.0	10.9	5.6
Prop In Lane	1.00		0.13	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	243	1025	550	788	2342	729	124	130	110	691	374	318
V/C Ratio(X)	0.59	0.70	0.71	0.78	0.69	0.00	0.36	0.57	0.05	0.43	0.72	0.40
Avail Cap(c_a), veh/h	469	1386	744	1194	3149	980	417	438	373	1236	669	569
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	36.4	25.0	25.0	29.3	17.2	0.0	35.8	36.4	35.1	28.2	30.1	28.0
Incr Delay (d2), s/veh	2.2	1.0	1.9	2.0	0.4	0.0	1.8	3.9	0.2	0.4	2.6	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	7.3	8.0	6.7	9.5	0.0	1.0	1.7	0.1	2.9	5.9	2.5
LnGrp Delay(d),s/veh	38.6	26.0	26.9	31.3	17.6	0.0	37.6	40.3	35.3	28.6	32.7	28.8
LnGrp LOS	D	C	C	C	B		D	D	D	C	C	C
Approach Vol, veh/h		1253			2226			125			691	
Approach Delay, s/veh		27.7			21.4			39.1			30.3	
Approach LOS		C			C			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		20.2	22.5	28.4		9.6	9.7	41.2
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		28.5	27.5	32.5		18.5	10.5	49.5
Max Q Clear Time (g_c+I1), s		12.9	15.6	17.3		5.1	5.3	22.1
Green Ext Time (p_c), s		2.8	1.9	6.6		0.4	0.2	14.5

Intersection Summary	
HCM 2010 Ctrl Delay	25.2
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	1001	370	59	2	379	145	44	25	5	124	10	1381
Future Volume (veh/h)	1001	370	59	2	379	145	44	25	5	124	10	1381
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1900	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	1088	402	64	2	379	145	44	25	5	131	0	1381
Adj No. of Lanes	2	1	1	1	2	1	0	2	0	2	0	2
Peak Hour Factor	0.92	0.92	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	1112	990	841	17	796	356	108	92	18	590	0	1572
Arrive On Green	0.32	0.53	0.53	0.01	0.22	0.22	0.06	0.06	0.05	0.17	0.00	0.17
Sat Flow, veh/h	3442	1863	1583	1774	3539	1583	1774	1508	302	3548	0	3167
Grp Volume(v), veh/h	1088	402	64	2	379	145	44	0	30	131	0	1381
Grp Sat Flow(s),veh/h/ln	1721	1863	1583	1774	1770	1583	1774	0	1810	1774	0	1583
Q Serve(g_s), s	22.3	9.2	1.4	0.1	6.6	5.6	1.7	0.0	1.1	2.3	0.0	4.7
Cycle Q Clear(g_c), s	22.3	9.2	1.4	0.1	6.6	5.6	1.7	0.0	1.1	2.3	0.0	4.7
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.17	1.00		1.00
Lane Grp Cap(c), veh/h	1112	990	841	17	796	356	108	0	110	590	0	1572
V/C Ratio(X)	0.98	0.41	0.08	0.12	0.48	0.41	0.41	0.00	0.27	0.22	0.00	0.88
Avail Cap(c_a), veh/h	1112	990	841	137	796	356	461	0	470	823	0	1780
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	23.8	10.0	8.1	34.9	23.9	23.5	32.2	0.0	31.9	25.7	0.0	16.0
Incr Delay (d2), s/veh	22.2	1.2	0.2	2.9	2.0	3.4	2.4	0.0	1.3	0.2	0.0	4.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	14.0	5.0	0.6	0.1	3.4	2.8	0.9	0.0	0.6	1.1	0.0	12.0
LnGrp Delay(d),s/veh	46.1	11.2	8.3	37.9	26.0	27.0	34.6	0.0	33.3	25.9	0.0	20.9
LnGrp LOS	D	B	A	D	C	C	C		C	C		C
Approach Vol, veh/h		1554			526			74			1512	
Approach Delay, s/veh		35.5			26.3			34.1			21.4	
Approach LOS		D			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		8.3	4.7	42.3		15.8	27.0	20.0
Change Period (Y+Rc), s		4.5	4.5	* 4.5		4.0	4.5	4.0
Max Green Setting (Gmax), s		18.0	5.0	* 34		16.5	22.5	16.0
Max Q Clear Time (g_c+I1), s		3.7	2.1	11.2		6.7	24.3	8.6
Green Ext Time (p_c), s		0.2	0.0	2.7		5.1	0.0	1.8

Intersection Summary	
HCM 2010 Ctrl Delay	28.3
HCM 2010 LOS	C

Notes

User approved pedestrian interval to be less than phase max green.
User approved volume balancing among the lanes for turning movement.
* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	189	13	697	19	12	7	706	324	18	9	796	221
Future Volume (veh/h)	189	13	697	19	12	7	706	324	18	9	796	221
Number	3	8	18	7	4	14	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1900	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	130	0	400	19	12	7	706	324	18	9	796	221
Adj No. of Lanes	1	0	2	0	1	0	2	2	0	1	2	1
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	311	0	555	40	25	15	882	1798	99	33	1026	459
Arrive On Green	0.18	0.00	0.18	0.04	0.04	0.04	0.26	0.53	0.52	0.02	0.29	0.29
Sat Flow, veh/h	1774	0	3167	881	556	324	3442	3410	189	1774	3539	1583
Grp Volume(v), veh/h	130	0	400	38	0	0	706	168	174	9	796	221
Grp Sat Flow(s),veh/h/ln	1774	0	1583	1761	0	0	1721	1770	1829	1774	1770	1583
Q Serve(g_s), s	4.5	0.0	8.2	1.4	0.0	0.0	13.1	3.4	3.4	0.3	14.1	7.9
Cycle Q Clear(g_c), s	4.5	0.0	8.2	1.4	0.0	0.0	13.1	3.4	3.4	0.3	14.1	7.9
Prop In Lane	1.00		1.00	0.50		0.18	1.00		0.10	1.00		1.00
Lane Grp Cap(c), veh/h	311	0	555	79	0	0	882	933	965	33	1026	459
V/C Ratio(X)	0.42	0.00	0.72	0.48	0.00	0.00	0.80	0.18	0.18	0.27	0.78	0.48
Avail Cap(c_a), veh/h	480	0	856	476	0	0	1207	1073	1110	143	1190	532
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	25.1	0.0	26.6	31.9	0.0	0.0	23.8	8.4	8.5	33.1	22.3	20.0
Incr Delay (d2), s/veh	0.9	0.0	1.8	4.5	0.0	0.0	2.8	0.1	0.1	4.3	2.8	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.2	0.0	3.7	0.8	0.0	0.0	6.5	1.7	1.7	0.2	7.3	3.5
LnGrp Delay(d),s/veh	26.0	0.0	28.4	36.4	0.0	0.0	26.6	8.5	8.6	37.4	25.1	20.8
LnGrp LOS	C		C	D			C	A	A	D	C	C
Approach Vol, veh/h		530			38			1048			1026	
Approach Delay, s/veh		27.8			36.4			20.7			24.3	
Approach LOS		C			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	5.3	40.1		7.1	21.5	23.8		16.0
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	5.0	41.0		18.0	23.5	22.5		18.0
Max Q Clear Time (g_c+I1), s	2.3	5.4		3.4	15.1	16.1		10.2
Green Ext Time (p_c), s	0.0	2.1		0.1	1.9	3.2		1.3

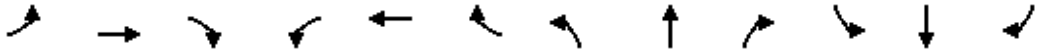
Intersection Summary	
HCM 2010 Ctrl Delay	23.8
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	13	115	58	184	92	129	1	1423	161	110	1341	23
Future Volume (vph)	13	115	58	184	92	129	1	1423	161	110	1341	23
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		3.0	3.0		3.0	3.0		3.0	3.0		3.0	
Lane Util. Factor		1.00	1.00		1.00	1.00		0.95	1.00		0.95	
Frt		1.00	0.85		1.00	0.85		1.00	0.85		1.00	
Flt Protected		0.99	1.00		0.97	1.00		1.00	1.00		1.00	
Satd. Flow (prot)		1853	1583		1803	1583		3539	1583		3518	
Flt Permitted		0.96	1.00		0.67	1.00		0.95	1.00		0.63	
Satd. Flow (perm)		1790	1583		1248	1583		3378	1583		2230	
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	13	115	58	184	92	129	1	1423	161	110	1341	23
RTOR Reduction (vph)	0	0	41	0	0	41	0	0	43	0	1	0
Lane Group Flow (vph)	0	128	17	0	276	88	0	1424	118	0	1473	0
Turn Type	Perm	NA	Perm	Perm	NA	Perm	Perm	NA	Perm	Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4		4	8		8	2		2	6		
Actuated Green, G (s)		24.5	24.5		24.5	24.5		56.5	56.5		56.5	
Effective Green, g (s)		26.0	26.0		26.0	26.0		58.0	58.0		58.0	
Actuated g/C Ratio		0.29	0.29		0.29	0.29		0.64	0.64		0.64	
Clearance Time (s)		4.5	4.5		4.5	4.5		4.5	4.5		4.5	
Lane Grp Cap (vph)		517	457		360	457		2176	1020		1437	
v/s Ratio Prot												
v/s Ratio Perm		0.07	0.01		c0.22	0.06		0.42	0.07		c0.66	
v/c Ratio		0.25	0.04		0.77	0.19		0.65	0.12		1.03	
Uniform Delay, d1		24.5	23.0		29.2	24.1		9.8	6.1		16.0	
Progression Factor		1.00	1.00		1.00	1.00		1.00	1.00		1.00	
Incremental Delay, d2		1.1	0.1		14.4	0.9		1.6	0.2		30.3	
Delay (s)		25.7	23.1		43.7	25.0		11.4	6.4		46.3	
Level of Service		C	C		D	C		B	A		D	
Approach Delay (s)		24.9			37.7			10.9			46.3	
Approach LOS		C			D			B			D	

Intersection Summary			
HCM 2000 Control Delay	28.9	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.94		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	6.0
Intersection Capacity Utilization	112.1%	ICU Level of Service	H
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	1111	604	578	1185	0	0	0	0	312	1	1068
Future Volume (vph)	0	1111	604	578	1185	0	0	0	0	312	1	1068
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	4.0
Lane Util. Factor		0.86	0.86	0.97	0.95						1.00	0.76
Frt		0.97	0.85	1.00	1.00						1.00	0.85
Flt Protected		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (prot)		4669	1362	3433	3539						1774	3610
Flt Permitted		1.00	1.00	0.95	1.00						0.95	1.00
Satd. Flow (perm)		4669	1362	3433	3539						1774	3610
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	0	1111	604	578	1185	0	0	0	0	312	1	1068
RTOR Reduction (vph)	0	39	222	0	0	0	0	0	0	0	0	7
Lane Group Flow (vph)	0	1332	122	578	1185	0	0	0	0	0	313	1061
Turn Type		NA	Perm	Prot	NA					Split	NA	custom
Protected Phases		2		3	8					6	6	2 6
Permitted Phases			2									
Actuated Green, G (s)		31.5	31.5	26.5	26.5						18.5	54.5
Effective Green, g (s)		32.0	32.0	27.0	27.0						19.0	55.0
Actuated g/C Ratio		0.36	0.36	0.30	0.30						0.21	0.61
Clearance Time (s)		4.5	4.5	4.5	4.5						4.5	
Vehicle Extension (s)		3.0	3.0	3.0	3.0						3.0	
Lane Grp Cap (vph)		1660	484	1029	1061						374	2206
v/s Ratio Prot		c0.29		0.17	c0.33						c0.18	0.29
v/s Ratio Perm			0.09									
v/c Ratio		0.80	0.25	0.56	1.12						0.84	0.48
Uniform Delay, d1		26.2	20.5	26.5	31.5						34.0	9.6
Progression Factor		1.00	1.00	1.00	1.00						1.00	1.00
Incremental Delay, d2		2.9	0.3	0.7	65.6						19.5	0.2
Delay (s)		29.1	20.8	27.2	97.1						53.5	9.8
Level of Service		C	C	C	F						D	A
Approach Delay (s)		27.4			74.2			0.0			19.7	
Approach LOS		C			E			A			B	

Intersection Summary					
HCM 2000 Control Delay	42.2	HCM 2000 Level of Service	D		
HCM 2000 Volume to Capacity ratio	0.92				
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	12.0		
Intersection Capacity Utilization	69.8%	ICU Level of Service	C		
Analysis Period (min)	15				

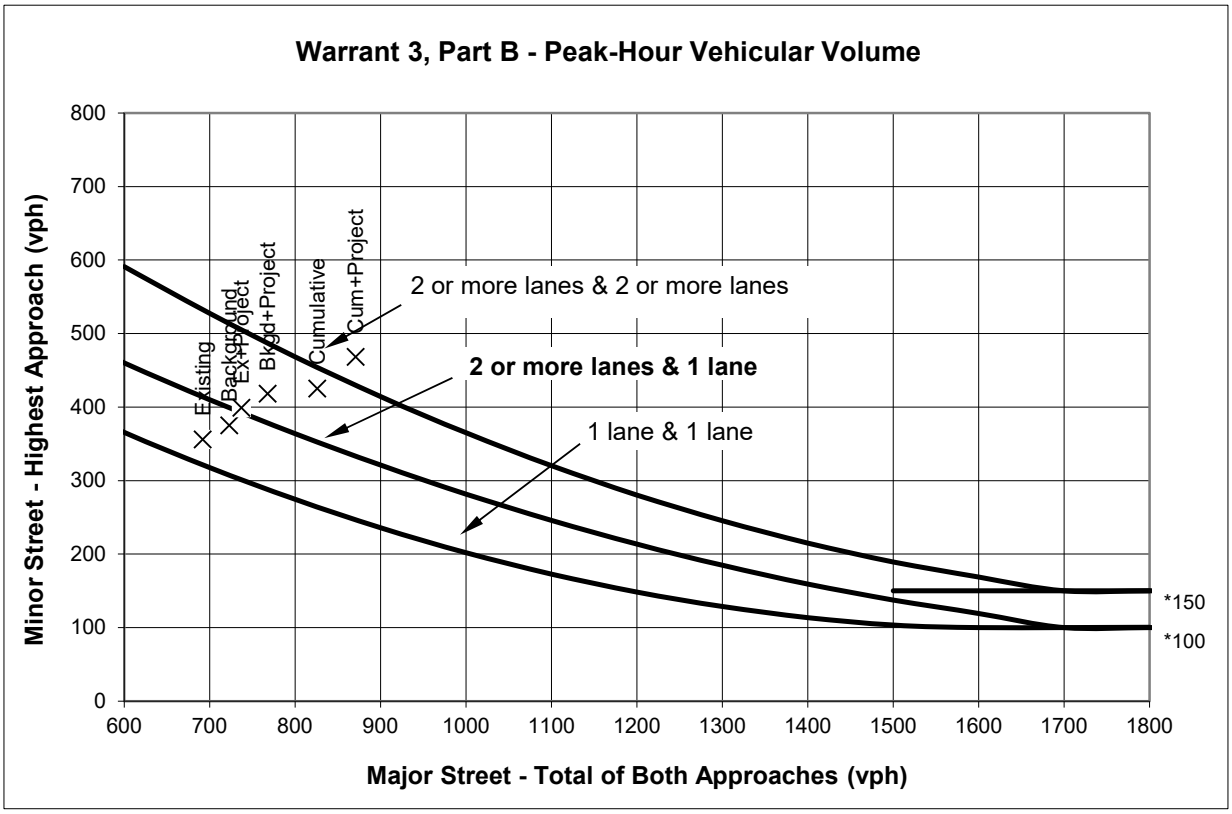
c Critical Lane Group

Appendix C

Peak-Hour Signal Warrant Analysis

1766 El Camino Real Project

California Ave & Trousdale Dr **AM PEAK PERIOD**



Source: Figure 4C-3 *California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2009 Edition, as amended for use in California)*.

* 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.

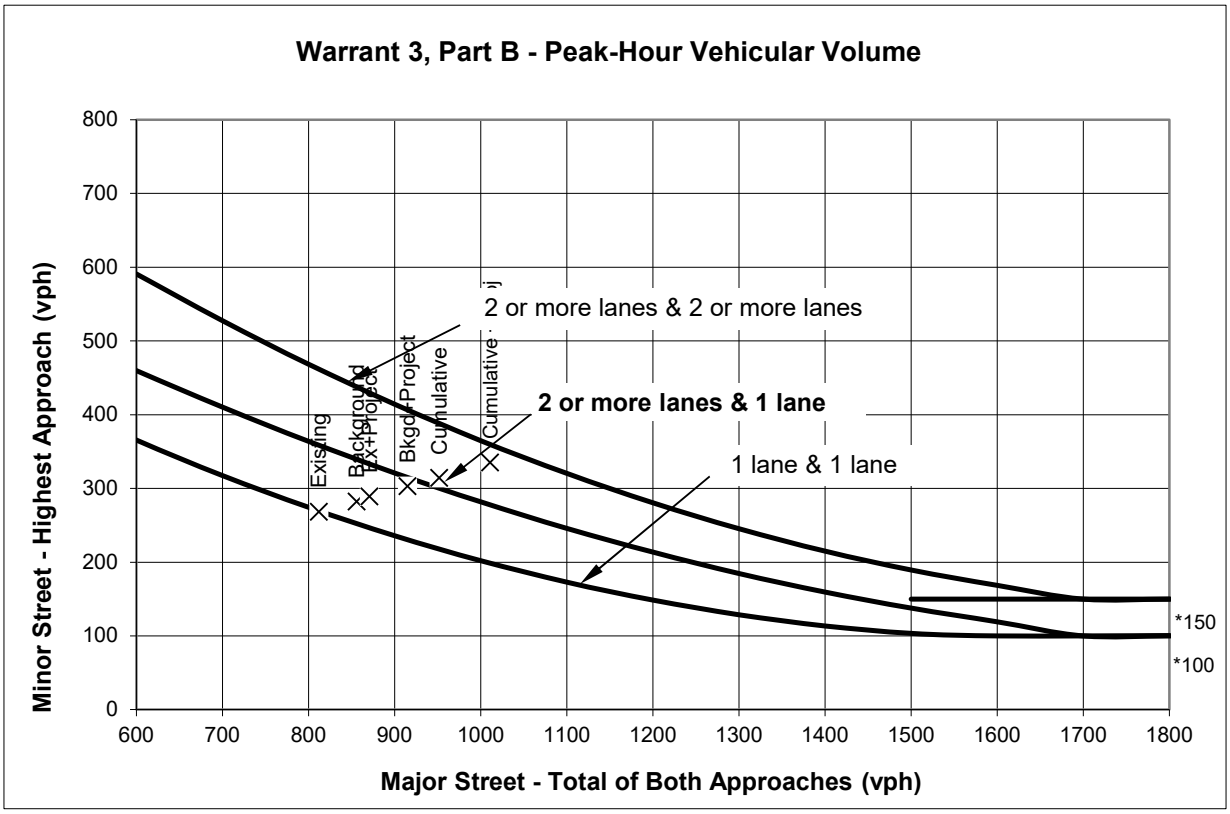
Warrant 3, Part B - Peak-Hour Vehicular Volume

		Approach Lanes		AM PEAK PERIOD							
		One	2 or More	Existing	Background	Ex+Project	Bkgd+Project	Cumulative	Cum+Project		
Major Street - Both Approaches	California Ave	X		692	723	737	768	826	871		
Minor Street - Highest Approach	Trousdale Dr	X		356	375	399	418	425	468		
Signal Warranted Based on Part B - Peak-Hour Volumes?				**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**		

*Warrant is satisfied if plotted points fall above the appropriate curve in graph above.

1766 El Camino Real Project

California Ave & Trousdale Dr **PM PEAK HOUR**



Source: Figure 4C-3 *California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2009 Edition, as amended for use in California)*.

* 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.

Warrant 3, Part B - Peak-Hour Vehicular Volume

		Approach Lanes		PM PEAK HOUR							
		One	2 or More	Existing	Background	Ex+Project	Bkgd+Project	Cumulative	Cum+Project		
Major Street - Both Approaches	California Ave	X		812	856	871	915	952	1011		
Minor Street - Highest Approach	Trousdale Dr	X		268	282	289	303	314	335		
Signal Warranted Based on Part B - Peak-Hour Volumes?				**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**		

*Warrant is satisfied if plotted points fall above the appropriate curve in graph above.

Hexagon Transportation Consultants, Inc.

Memorandum

Date: March 24, 2022

To: Greg Pasquali, Carmel Partners

From: Gary Black
Daniel Choi

Subject: Transportation Analysis for Updated Project at 1766 El Camino Real in Burlingame, California

Hexagon Transportation Consultants, Inc. has completed a trip generation analysis, VMT analysis, and site plan review for the proposed project at 1766 El Camino Real in Burlingame, California. Hexagon previously completed a TIA for a mixed-use development at the project site. Since then, the project description has been revised to consist of only residential apartment units. The project site plan and access points have also been revised.

The project would consist of 311 apartment units in an eight-story building with 2.5 levels of underground parking. The site plan shows that access to the underground parking garage would be provided via a driveway along El Camino Real and a driveway along California Drive. The proposed site plan is attached to this memo.

Vehicle Miles Traveled

Since the City of Burlingame has not formally established a policy related to analyzing transportation impacts related to Vehicle Miles Traveled (VMT), the project was evaluated using the technical advisory released by the Office of Planning and Research (OPR). The OPR advisory provides screening criteria for projects that would be expected to cause a less-than-significant impact. The screening criteria include:

(1) Screening for Small Projects – Projects that would generate or attract fewer than 110 trips per day

(2) Map Based Screening – Maps created with VMT data can illustrate areas that are currently below threshold VMT. New developments in such locations would result in a similar level of VMT

(3) Presumption of Less Than Significant Impact Near Transit Stations - The CEQA Guidelines Section 15064.3, subdivision (b)(1), states that lead agencies generally should presume that certain projects (including residential, retail, and office projects) proposed within a half mile of an existing major transit stop or an existing stop along a high quality transit corridor will have a less-than-significant impact on VMT. The presumption may not be appropriate if the project:

- Has a Floor Area Ratio of less than 0.75
- Includes more parking for use by residents than required by the jurisdiction
- Is inconsistent with the applicable Sustainable Communities Strategy

- Replaces affordable residential units with a smaller number of moderate- or high-income residential units

(4) Presumption of Less Than Significant Impact for Affordable Residential Development– Evidence supports a presumption of less than significant impact on VMT for 100 percent affordable developments in infill locations.

The project is located within a half mile of the Millbrae Station, which is a major transit stop, and none of the presumption exceptions apply to the project description. Therefore, the project is expected to have a less-than-significant impact on VMT.

Project Trip Generation

Since the project description has been revised, a trip generation analysis was conducted to compare the trip generation of the updated project description to the trip generation of the previously proposed project.

Trips that would be generated by the proposed project were estimated using trip rates from the Institute of Transportation Engineers (ITE) *Trip Generation Manual, 11th Edition* for "Multifamily Housing (Mid-Rise)" (Land Use 221). Trips from the previously proposed mixed-use development were taken from the completed TIA. The ITE Trip Generation Manual defines multifamily housing (mid-rise) as a building consisting of apartments or condominiums between 3 and 10 stories high.

The trip generation estimates (see Table 1) compare the trip generation of the proposed project to the previously approved project. The proposed project would generate 1,412 daily trips, with 115 trips (26 inbound and 89 outbound) during the AM peak hour and 121 trips (74 inbound and 47 outbound) during the PM peak hour. The trip generation estimates show that the proposed project would generate fewer trips than the previously approved project. Therefore, it can be assumed that the transportation impact analysis conducted for the previously approved project would cover the newly proposed 311-unit residential development.

Table 1
Project Trip Estimates

Land Use	ITE Land Use Code	Size		Daily Rate	Daily Trips	AM Peak Hour Pk-Hr Rate	AM Peak Hour Trips In	AM Peak Hour Trips Out	AM Peak Hour Trips Total	PM Peak Hour Pk-Hr Rate	PM Peak Hour Trips In	PM Peak Hour Trips Out	PM Peak Hour Trips Total
Proposed Land Use													
Apartments[1]	221	311	DU	4.54	1,412	0.37	26	89	115	0.39	74	47	121
Previously Proposed Land Use													
Apartments[2]	220	60	DU	7.32	439	0.46	6	22	28	0.56	21	13	34
Retail[3]	820	7,588	s.f.	37.75	286	0.94	4	3	7	3.81	14	15	29
Office[4]	710	148,057	s.f.	9.74	1,442	1.16	148	24	172	1.15	27	143	170
- Mixed-Use Trip Reduction[5]					*-368*		*-21*	*-6*	*-27*		*-9*	*-26*	*-35*
Previous Gross Project Trips					**1,799**		**137**	**43**	**180**		**53**	**145**	**198**

Notes:
Trip Generation rates for the proposed land use are from ITE Trip Generation Manual, 11th Edition, 2021. Trip Generation rates from the previously approved land use are from ITE Trip Generation Manual, 10th Edition, 2017.
1. Average trip rates for Multifamily Housing Mid-Rise (Land Use 221), expressed in trips per dwelling unit (DU).
2. Average trip rates for Multifamily Housing Low-Rise (Land Use 220), expressed in trips per dwelling unit (DU).
3. Average trip rates for Shopping Center (Land Use 820), expressed in trips per 1,000 square feet (s.f.) of gross floor area (GFA).
4. Average trip rates for General Office Building (Land Use 710), expressed in trips per 1,000 s.f. of GFA.
5. Trip reduction rates of 17%, 13%, and 15% were applied to daily, AM peak-hour, and PM peak-hour trips, based on the EPA's MXD model (mixed-use trip generation model) to account for internal mixed-use trips in the project area.

Site Access and On-Site Circulation

Since the project site plan has changed, a site access and on-site circulation review was conducted for the proposed site plan. The site access and on-site circulation evaluation is based on the November 15, 2021 site plan prepared by TCA Architects. Site access was evaluated to determine the adequacy of the site's driveways with regard to the following: traffic volume, delays, vehicle queues, geometric design, and corner sight distance. On-site vehicular circulation was reviewed in accordance with generally accepted traffic engineering standards and transportation planning principles.

Project Driveway Design

Parking would be provided in a two-and-a-half-level underground garage. Access to the garage would be provided by two driveways: one on El Camino Real and one on California Drive. The driveway along El Camino Real measures 24.5 feet in width. The site plan is unclear on the width of the California Drive driveway. However, the entryway into the garage along California Drive measures 20 feet in width, so it can be concluded that the driveway is wider than 20 feet. The City of Burlingame Zoning Code requires a minimum of either two 12-foot driveways or one 18-foot driveway for parking areas of more than 30 vehicle spaces. Therefore, the proposed driveways meet the City's minimum width requirement for two-way driveways.

Both driveways would lead to a ramp into the underground garage. The site plan shows a gate at both entrances to the garage. There is enough space for one vehicle to queue in front of the gate. Given the estimated peak-hour trip generation of 84 inbound trips, that calculates to about one inbound trip every 43 seconds, the probability of two or more inbound vehicles entering the parking garage at the same time would likely be low. Furthermore, since residents could use either

driveway, an average of one inbound trip would occur every 86 seconds at each driveway. In the event where two inbound vehicles arrive at the same time, traffic along El Camino Real and California Drive would be momentarily stopped by queued vehicles while waiting for the gate to open. Given the low traffic volume along the frontage road along El Camino Real and along California drive, traffic operations along these roadways would not be significantly affected by inbound queuing operations.

Sight Distance

Sight distance was checked for the proposed driveways. Sight distance requirements vary depending on the roadway speeds. For the driveway along California Drive, which has a posted speed limit of 35 mph, the Caltrans stopping sight distance is 300 feet (based on a design speed of 40 mph). Thus, a driver must be able to see 300 feet on both directions of California Drive to locate a sufficient gap to turn out of the driveway. Since there is no posted speed limit on the El Camino Real frontage road along the project frontage, it was assumed that the speed limit is 25 mph. Therefore, the driveway along El Camino Real requires a stopping sight distance of 200 feet, based on a design speed of 30 mph.

According to the site plan, the landscape plan shows street trees would be added along the project frontage on Trousdale Drive and the El Camino Real frontage road. The type and location of the street trees would be determined by the City at the implementation stage. Note that street trees have a high canopy and would not obstruct the view of drivers exiting the project driveways.

The California Avenue driveway would be located 260 feet south of Trousdale Drive. However, because no roadway curve or on-street parking is present on California Avenue between Trousdale Drive and the driveway that would obstruct the vision of exiting drivers, vehicles exiting the driveway would be able to see approaching traffic on beyond Trousdale Drive with an adequate sight distance (greater than 300 feet) for the southbound through traffic. Vehicles turning from Trousdale Drive to southbound California Avenue are expected to travel with lower speed while making turns. The Caltrans stopping sight distance is 200 feet based on a travel speed of 30 mph. Therefore, the sight distance (260 feet) for traffic turning from Trousdale Drive is adequate.

At the El Camino Real frontage road driveway, no roadway curve or on-street parking is present to the left side of the driveway that would obstruct the vision of exiting drivers. Therefore, vehicles exiting the driveway would be able to see approaching traffic on the frontage road with an adequate sight distance (greater than 200 feet).

Project Driveway Operations

The project-generated gross trips that are estimated to occur at the project driveways are 29 inbound and 83 outbound during the AM peak hour and 84 inbound and 53 outbound during the PM peak hour. Because of the fairly low number of project trips at the driveways and low/moderate volume on the El Camino Real frontage road and California Drive, vehicles will easily be able to exit the project driveways.

Some minor on-site vehicle queuing could occur due to a combination of the inherent unpredictability of vehicle arrivals at the driveway and the random occurrence of gaps in traffic along California Avenue. However, given the estimated 83 outbound trips in the PM peak hour at the driveway, that calculates to about one outbound trip every 43 seconds, the probability of two or more outbound vehicles exiting the parking garage at the same time would likely be low. The maximum queue is not expected to affect the on-site circulation. Additionally, vehicles turning right into the project site from California Avenue may block the travel lane momentarily due to vehicles slowing down to turn into the driveway, but this is unlikely to have a significant effect on traffic

operations. City staff have indicated that there are concerns with queueing on-street due to vehicles turning left into the project site from California Avenue. The project should coordinate with city staff to determine appropriate measures that should be installed along California Drive in order to restrict left turns into the project site. Possible design measures to restrict left turns include signage, striping, delineators, or raised curbs.

On-Site Circulation

On-site vehicular circulation was reviewed in accordance with the City of Burlingame Zoning Code and generally accepted traffic engineering standards. Generally, the proposed site plan would provide vehicle traffic with adequate connectivity through the parking areas. The site plan shows a small number of spaces in a dead-end aisle on the first level of the basement. The bottom half-level of the parking garage is also a dead-end. Parking spaces should be assigned to residents so that vehicles do not drive into a dead-end aisle.

The project would provide mostly 90-degree parking stalls throughout the parking areas. There are a small number of spaces that are slightly angled towards drive aisles to accommodate building columns but are not noticeably slanted from other parking spaces. The City's standard minimum width for two-way drive aisles is 24 feet wide where 90-degree parking is provided. This allows sufficient room for vehicles to back out of the parking spaces. According to the site plan, the drive aisles throughout the parking garage measure 24 feet wide. Thus, adequate access to all parking stalls would be provided throughout the site.

The site plan proposes to provide a passenger loading area along its frontage on the El Camino Real frontage road. The loading area would allow for residents or visitors to be picked up or dropped off. Additionally, with the increasing popularity of ride-sharing and food delivery services, a loading area as part of the project would be beneficial. The project should coordinate with city staff to stripe 50-100 feet (enough for two to four vehicles) of loading space along the El Camino Real frontage road..

The site plan provides adequate pedestrian circulation throughout the site, as well as between the site and the surrounding pedestrian facilities. The site plan shows walkways around the building providing access to outdoor amenities proposed by the projects such as courtyards, a dog run area, and a shuffleboard court. The project would reconstruct the sidewalk along its frontages along El Camino Real, Trousdale Drive, and California Drive. The project would also reconstruct the sidewalk on the opposite side of the Trousdale Drive frontage and the northbound segment of El Camino Real, just north of the El Camino Real/Trousdale Drive intersection. The project applicant has stated that a bicycle storage room would be provided for residents. Guest bicycle parking would be provided at several bike racks located along the project frontages.

Parking Stall Dimensions

According to the site plan, the project proposes stalls that are 8.5 feet wide by 17 feet long. This size meets the North Burlingame Mixed Use zoning requirements.

Truck Access and Circulation

The site plan shows a trash/loading area behind the building accessible via a 24-foot-wide driveway along Trousdale Drive. The driveway provides adequate width for garbage trucks and delivery trucks. This loading area would be used by moving trucks as well as for garbage pick-up.

Emergency vehicles access would be provided via Trousdale Drive, the El Camino Real frontage road, and the California Drive.

Parking Supply

The City of Burlingame Zoning Code for the North Burlingame Mixed Use Zone (Section 25.40.050.A) states that residential developments are required to provide 1 parking spaces per studio or one-bedroom apartment, 1.5 parking spaces per two-bedroom unit, and 2 parking spaces per three-bedroom unit. The project proposes 324 parking spaces, representing a 16.5% deficit in number of required spaces (see Table 2). The zoning code allows for up to a 20% reduction in required number of vehicular parking spaces if the project implements a Transportation Demand Management (TDM) Plan and achieves a permanent mobility mode shift towards alternative transportation of 25% or greater through the TDM program.

Table 2
Parking Requirement

Unit Type	Number of Units	Requirement	Spaces Needed
Studio	35	1 per unit	35
1-Bedroom	139	1 per unit	139
2-Bedroom	120	1.5 per unit	180
3-Bedroom	17	2 per unit	34
Zoning Code Required Number of Parking Spaces:			388
less 20% with TDM Plan:			-78
Total:			**310**

The parking areas would meet ADA requirements by providing 9 ADA spaces. Five of the ADA spaces are shown to be van accessible, with one space prepared for EV charging equipment. The zoning code also requires 5 percent of all spaces be prepared for EV charging equipment. The site plan shows 32 EV charging spaces, meeting the requirement.

The Zoning Code requires the development to provide 0.5 bicycle parking spaces per unit. The project applicant has indicated that the project would provide a bicycle storage room. The bicycle storage room should provide a minimum of 156 bicycle parking spaces to residents, meeting the requirement for bicycle parking. The project also would provide 16 short-term bicycle spaces for visitors in bicycle racks, which would be located around the building.

Appendix E
Supporting Noise Information

Noise Report

Veneklasen Associates
Consultants in Acoustics | Noise | Vibration | AV | IT

June 16, 2021

Carmel Partners
1000 Sansome Street, First Floor
San Francisco, California 94111

Attention: Greg Pasquali | Vice President, Development

Subject: **1766 El Camino**
Burlingame, California
Exterior Noise, Vibration, and Exterior Façade Acoustical Analysis
Veneklasen Project No. 5054-022

Dear Greg,

Veneklasen Associates, Inc. (Veneklasen) has completed our review of the 1766 El Camino project located in Burlingame, California. This report predicts the exterior noise level and vibration at the site using measurements. Using this information, interior noise levels were calculated based on the exterior noise exposure and the construction types proposed. From this, the exterior façade design was determined. This report represents the results of our findings.

1.0 INTRODUCTION

This study was conducted to determine the impact of the exterior noise sources on the 1766 El Camino project in Burlingame, California. Veneklasen's scope of work included calculating the exterior noise levels impacting the site and determining the method, if any, required to reduce the interior and exterior sound levels to meet the applicable code requirements of the State of California and the City of Burlingame.

The project consists of an 8-level mixed-use development with ground-level amenities and two levels of subterranean parking. The project is bounded by Trousdale Drive to the west, California Drive and the Caltrain line to the north, El Camino Real to the south, and existing commercial uses to the north and east.

2.0 NOISE CRITERIA

CNEL (Community Noise Equivalent Level) is the 24-hour equivalent (average) sound pressure level in which the evening (7 pm–10 pm) and nighttime (10 pm – 7 am) noise is weighted by adding 5 and 10 dB, respectively, to the hourly level. Since this is a 24-hour metric, short-duration noise events (truck pass-by's, buses, trains, etc.) are not as prominent in the analysis.

Leq (equivalent continuous sound level) is defined as the steady sound pressure level which, over a given period of time, has the same total energy as the actual fluctuating noise.

2.1 Interior Noise Levels - Residential

The State of California Building Code (Section 1206, "Sound Transmission") and the City of Burlingame Noise Element state that interior CNEL values for residential land uses are not to exceed 45 CNEL in any habitable room.

If the windows must be closed to meet an interior level of 45 CNEL, then a mechanical ventilating system or other means of natural ventilation shall be provided.

Although not a regulatory requirement, Veneklasen suggests that the maximum noise level from short-duration noise events during the night not exceed 55 dBA. This criterion is based on sleep disturbance research and our experience with similar projects.

2.2 CALGreen – Non-residential

Section 5.507.4.2 of the California Green Building Code stipulates that for buildings exposed to a noise level of 65 dB or more when measured as a 1-hour Equivalent Sound Level (Leq), the building façade, including walls, windows, and roofs, shall provide enough sound insulation so that the interior sound level from exterior sources does not exceed 50 dBA during any hour of operation. This applies to non-residential spaces such as retail space, leasing, and amenities.

2.3 Vibration Guidelines

There are no regulatory requirements for vibration levels. For train sources, the typical design guidelines are taken from the "Transit Noise and Vibration Impact Assessment Manual" from the Federal Transit Administration (FTA), U.S. Department of Transportation, dated September 2018. Table 6-3 from this document provides transit vibration level criteria for human annoyance based on the receiver type and frequency of events. Table 1 below is a summary of these guidelines.

Table 1 – FTA Manual Ground-Borne Vibration (GBV) Impact Criteria

Land Use Category	GBV Impact Levels (VdB re 1 micro-inch/sec)		
	Frequent Events	Occasional Events	Infrequent Events
Category 1: Buildings where vibration would interfere with interior operations.	65 VdB	65 VdB	65 VdB
Category 2: Residences and buildings where people normally sleep.	72 VdB	75 VdB	80 VdB
Category 3: Institutional land uses with primary daytime use.	75 VdB	78 VdB	83 VdB

Note that "Frequent Events" is defined as more than 70 events per day, "Occasional Events" is defined as between 30 and 70 events per day, and "Infrequent Events" is defined as less than 30 events per day according to the FTA manual.

3.0 EXTERIOR NOISE ENVIRONMENT

3.1 Noise Measurements

Traffic on El Camino Real and California Drive is the primary source of noise affecting the site. Veneklasen visited the site on Friday, June 11, 2021 and made short-term noise and vibration measurements. Table 2 and Figure 1 show the location and summary of the noise measurements. No aircraft noise significantly affect the site.

Table 2 – Measured Sound Levels

Location	Leq dBA	Train Event, dBA	Vibration Event, VdB
S1	60	—	—
S2	65	78-83	76

Figure 1 – Aerial View of Project Site Showing Measurement Locations

3.2 Caltrain Line

The Caltrain runs along California Drive to the north of the project site. The schedule indicates that the passenger trains run 70 times a day. There are freight trains that also use the Caltrain line. Additionally, the California High Speed Rail project has requested to add additional passenger trains to the route. The measured sound level of the noise event at S2 was approximately 78-83 dBA. Veneklasen utilized 82 dBA as the noise event level for Zone A.

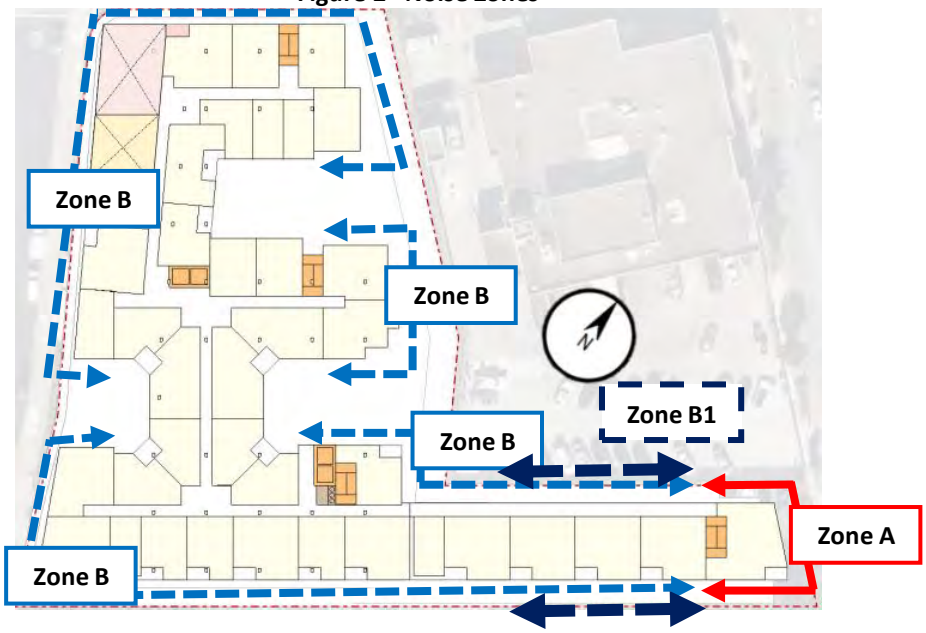
3.3 Overall Exterior Exposure

Based on the computer model and measurements, Veneklasen calculated the noise level at different locations across the project site. To simplify the presentation of the exterior noise levels, Veneklasen has separated the site into locations based on the sound exposure and required mitigation. The predicted sound levels at each zone, shown in Figure 2, are listed in Table 3 below. Note that the high speed train is not included in this table.

Table 3 – Exterior Noise Levels

Location	Exterior Noise Level, CNEL	Train Max, dBA
Zone A	67	82
Zone B	61-65	< 75
Remaining Units	< 60	< 75

Figure 2– Noise Zones



4.0 INTERIOR NOISE CALCULATION

4.1 Exterior Facade Construction

Calculations were based on the Yield Study dated March 1, 2021. The plans do not show the exterior wall construction, so Veneklasen has assumed that the exterior wall will consist of 3-coat stucco over sheathing on wood studs with a single layer of gypsum board on the interior and batt insulation in the cavity.

Veneklasen's calculations included the roof path, but this was insignificant in the interior noise level calculated.

Veneklasen utilized the glazing ratings (glass, frame and seals) shown in Appendix I. Appendix I shall be the acoustical specification for the exterior windows and doors for the project.

4.2 Interior Average Noise Level (CNEL) – Residential

Veneklasen calculated the interior level within the residential units given the measured noise environment and the exterior facade construction described above. Table 4 shows the predicted interior CNEL noise levels based on the windows and doors with STC ratings as shown and glazing construction as described in Appendix I.

Table 4 – Calculated Interior CNEL Noise Levels

Location	Exterior Noise Level, CNEL	Window/ Door Rating	Interior Noise Level, CNEL
Zone A	67	STC 30	< 45
Zone B	62	STC 30	< 45
Remaining Units	< 60	No STC Requirement. STC 30 recommended.	

Where the noise level does not exceed 60, sound-rated assemblies are not required. However, Veneklasen recommends specifying a window with a minimum rating of STC 30 to maintain a consistent level of acoustical quality.

4.3 Interior Short-duration Noise Event – Veneklasen Recommended Glazing (Optional)

In a similar manner Veneklasen calculated the interior noise levels from the single-event noise sources such as trains and heavy truck pass-by's. As described in Section 2.1, Veneklasen's recommended interior nighttime noise level criterion is 55 dBA. Table 5 shows Veneklasen's recommended mitigation to reduce the interior noise levels due to short-duration noise events.

Table 5 – Calculated Interior Short-duration Event Noise Levels

Location	Exterior Level, dBA	Glazing Rating	Interior Level, dBA
Zone A	90	STC 37	55
Zone B1	< 85	STC 33	<55
Zone B	75-84	STC 30	<55

The calculations for Zone A assumed window sizes of 3 feet by 5 feet. If larger window sizes are planned, higher levels of glazing or additional layers of gypsum board on the interior wall may be required.

4.4 Mechanical Ventilation - Residential

Because the windows and doors must be kept closed to meet the noise requirements, mechanical or other means of ventilation may be required for all units in Zones A, B and B1. The ventilation system shall not compromise the sound insulation capability of the exterior facade assembly.

4.5 CALGreen – Non-Residential

In a similar manner, Veneklasen calculated the noise level within non-residential spaces. CALGreen is based on the loudest hourly Leq. Veneklasen utilized a statistical methodology to determine this level from the measurements[1]. The results are shown in Table 6 below. Hourly noise level summaries and sample calculations are included in the appendices.

Table 6 – Calculated Interior Average Noise Levels at Non-Residential Areas

Location	Exterior Leq, dBA Loudest hour	Minimum Glazing	Interior Leq
Zone B	< 65	CALGreen Analysis not required.	

5.0 VIBRATION IMPACT

5.1 Calculated Structure-Borne Vibration Levels

Veneklasen conducted measurements of train activities at a distance of 100 feet from the north railroad. Veneklasen has calculated the expected transit ground-borne vibration levels at the property to be 76 VdB.

The resultant indoor floor vibration level will depend on numerous factors. The smaller and lighter the building, the more it will move in response to ground vibration. Further, the vibration level typically increases on the upper floors of the building due to building resonances, especially in lightweight wood-framed construction. Based on an 8-story multi-family home with concrete construction for the bottom floors, Veneklasen has predicted minimal vibration propagation. Note that vibration propagation and structural amplification can vary greatly and cannot be predicted with precision.

[1] LoVerde, John; Dong, Wayland; Rawlings, Samantha. "Noise Prediction of Traffic on Freeways and Arterials from Measured Data." Noise-Con 2014. Fort Lauderdale, Florida.

Per the FTA manual guidelines, summarized above in Table 1, this project would fall under Category 2 land use, and be described as 70 or more events per day or "Frequent Events". Therefore, the vibration level guideline for transit vibration should not exceed 72 VdB. Predicted vibration levels at the ground may not comply with this guideline, and predicted vibration levels on upper floors may also exceed this value.

5.2 Vibration Mitigation

The City of Burlingame has no train vibration mitigation requirements for residential buildings.

One option for reducing vibration exposure is to change the building structure so that the closest unit is further from the tracks. To ensure that the 72 VdB criterion would be satisfied on all floors would require locating the nearest home approximately 150 feet from the nearest track.

From previous projects, Veneklasen has determined that structural stiffening or building isolation can provide some mitigation of vibration (LoVerde, Dong 2016). This method primarily shifts the train vibration event frequencies up from a typical wood structure response, but it is still as perceptible as a standard construction. It is assumed that reducing the size of the building to be farther from the train line is not feasible. These solutions can be reviewed in the design, but, in essence, they mean portions of the building will perceive vibration during train pass-byes.

Even with mitigation, vibration will be perceptible for some train passby events. This condition should be disclosed to potential residents.

6.0 SUMMARY

The following summarizes the acoustical items required to satisfy the noise criteria as described in this report.

Residential

- Exterior wall assembly is acceptable as described in Section 4.1.
- The roof assembly was included in our calculations and is not a significant path of sound and can remain as designed.
- Windows and glass doors with minimum STC ratings as shown in Table 4 and defined in Appendix I are required. Appendix I shall be the acoustical specification for the exterior windows and doors for the project.
- Optional: In order to meet Veneklasen's criterion for short-duration noise events, windows and glass doors with minimum STC ratings as shown in Table 5 are recommended. This is not required by code but will increase occupant comfort. These would need to be explicitly specified in Zone A and B1. Appendix I shall be used for the acoustical specification for the exterior windows and doors for the project. Adoption of these would require STC 37 in Zone A and STC 33 in Zone B1. Zone B and the remaining units would remain the same.
- Residential mechanical ventilation, or other means of natural ventilation, may be required for all units in Zones A and B.

Non-Residential

- At retail, amenity, and other non-residential spaces, windows and glass doors as shown in Table 6 are required to meet the CALGreen interior noise criterion. Appendix I shall be used for the acoustical specification for the exterior windows and doors.

Vibration

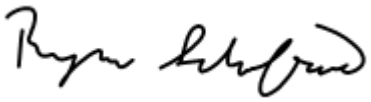
- Vibration will be perceptible within the building based on the vibration measurements performed.

- Structural stiffening or building isolation for lots closest to the railroad as described in Section 5.2 is not required by Building Code, but can be considered.
- Isolation of the building can be the utilization of a foam below the foundation or building structural stiffening to shift the frequency of vibration.

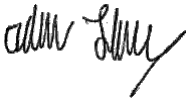
Various noise mitigation methods may be utilized to satisfy the noise criteria described in this report. Alteration of mitigation methods that deviate from requirements should be reviewed by the acoustical consultant.

If you have any questions or comments regarding this report, please do not hesitate to contact us.

Sincerely,
Veneklasen Associates, Inc.



Ryan Schofield
Senior Associate



Adam Thompson
Associate

APPENDIX I – GLAZING REQUIREMENTS

In order to meet the predicted interior noise levels described in Section 4.0, the glazing shall meet the following requirements:

Table 7– Acoustical Glazing Requirements: Minimum Octave Band Transmission Loss and STC Rating

Nominal Thickness	Minimum Transmission Loss Octave Band Center Frequency (Hz)						Min. STC Rating
	125	250	500	1000	2000	4000	
1” dual	21	18	27	34	37	32	**30**
1” dual	22	21	30	36	37	36	**33**
1” dual	24	27	35	39	40	42	**37**

The transmission loss values in the table above can likely be met with the following glazing assemblies:

1. STC 30: 1/8” monolithic – 3/4” airspace – 1/8” monolithic
2. STC 33: 3/16” monolithic – 11/16” airspace – 1/8” monolithic
3. STC 37: 7/16" laminated – 3/8” airspace – 3/16” monolithic

An assembly’s frame and seals may limit the performance of the overall system. Therefore, the window and door systems selected for the project shall not be selected on the basis of the STC rating of the glass alone, but on the entire assembly including frame and seals. Additionally, the assemblies given above are provided as a basis of design, but regardless of construction, the octave band Transmission Loss (TL) and STC value of the system selected must meet the minimum values in Table 7 above.

Independent laboratory acoustical test reports should be submitted for review by the design team to ensure compliance with glazing acoustical performance requirements. Laboratories shall be accredited by the Department of Commerce National Voluntary Laboratory Accreditation Program (NVLAP). Labs shall be pre-approved by Veneklasen Associates. Tests shall be required to be performed in North America. Lab tests and lab reports shall be in compliance with ASTM standard E90 and be no more than 10 years old from the date of submission for this project.

If test reports are not available for a proposed assembly, the assembly, including frame, seals and hardware, shall be tested at an independent pre-approved NVLAP-accredited laboratory to demonstrate compliance with the requirements of this report. Veneklasen shall be invited to witness acoustical testing completed and reserves the right to exclude test reports from laboratories that are not pre-approved by Veneklasen.

APPENDIX II – MEASURED HOURLY NOISE LEVELS

Location	Start Time	Duration	LAeq
S1	3:00	1:00:00	60
S2	4:00	2:00:00	65

Average Daily Traffic Data Table for Existing Conditions

Average Daily Traffic Data Table for Existing Conditions

Roadway Segment	ADT
Millbrae Ave between Rollins Rd and US 101 SB Ramps	36,180
Millbrae Ave between El Camino Real and Rollins Rd	35,090
El Camino Real between Millbrae Rd and Murchison Dr	27,280
El Camino Real between Murchison Dr and Trousdale Dr	18,730
El Camino Real between Trousdale Dr and Broadway	17,980
Murchison Dr between El Camino Real and California Ave	5,250
Trousdale Dr between El Camino Real and California Ave	5,710
California Ave between Murchison Dr and Trousdale Dr	6,440
California Ave between Trousdale Dr and Broadway	11,430
Broadway between El Camino Real and California Ave	8,240
Broadway between California Ave and Rollins Rd	22,120
Broadway between Rollins Rd and US 101 SB Ramps	31,290
Broadway between US 101 SB Ramps and Bayshore Hwy	23,380
Bayshore Hwy between Broadway and US 101 NB Ramps	20,760

Appendix F
Air Quality Analysis Modeling Files

Project Construction and Operations CalEEMod Output

1766 El Camino Real Proposed Project - San Mateo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

1766 El Camino Real Proposed Project

San Mateo County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	14.13	1000sqft	0.00	14,132.00	0
Enclosed Parking with Elevator	319.00	Space	1.80	132,031.00	0
Other Asphalt Surfaces	4.22	1000sqft	0.00	4,224.00	0
Apartments Mid Rise	311.00	Dwelling Unit	0.00	290,620.00	889

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2023
Utility Company					
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Criteria pollutants only

Land Use - 4,224 ft of asphalt added under asphalt. Land use types and units provided by applicant.

Construction Phase - Per applicant. Paving phase name's phase type changed to grading to allow for dust and material movement grading to be entered for the paving phase name.

Off-road Equipment - No architectural coating equipment. Provided so that trips would populate in later tab.

Off-road Equipment - Electric

Off-road Equipment - Per applicant

Off-road Equipment - Per applicant

Off-road Equipment - Per applicant

Date: 4/21/2022 11:00 AM

1766 El Camino Real Proposed Project - San Mateo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - Per applicant. Pumps added for dewatering.

Trips and VMT - Assuming haul truck trips would primarily go to Zanker Landfill (32 miles from site). Employee trips provided by applicant.

Demolition - Applicant provided.

Grading - Material export and graded acres provided by applicant.

Architectural Coating -

Vehicle Trips - Annual VMT based on Hexagon 2020

Woodstoves - n/a

Area Coating -

Energy Use - No natural gas use and electricity N/A to criteria pollutants

Land Use Change - Did not include negligible 0.3 acre decrease in vegetation

Sequestration - Did not include net new 2 trees

Construction Off-road Equipment Mitigation - Tier 4 as a project commitment

Mobile Land Use Mitigation -

Area Mitigation - Electric landscape equipment to be consistent with Burlingame CAP.

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Operational Off-Road Equipment -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Emergency Generators and Fire Pumps EF - EFs provided by applicant where avaiable. Zeroed out N/A GHGs.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

1766 El Camino Real Proposed Project - San Mateo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	67.00
tblConstructionPhase	NumDays	200.00	513.00
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	4.00	111.00
tblConstructionPhase	NumDays	4.00	135.00
tblConstructionPhase	NumDays	2.00	111.00
tblEnergyUse	NT24NG	2,615.00	0.00

1766 El Camino Real Proposed Project - San Mateo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblEnergyUse	NT24NG	1.01	0.00
tblEnergyUse	T24NG	5,828.01	0.00
tblEnergyUse	T24NG	18.14	0.00
tblFireplaces	NumberGas	46.65	0.00
tblFireplaces	NumberWood	52.87	0.00
tblGrading	AcresOfGrading	111.00	0.46
tblGrading	AcresOfGrading	67.50	0.34
tblGrading	AcresOfGrading	111.00	1.06
tblGrading	MaterialExported	0.00	62,000.00
tblLandUse	LandUseSquareFeet	14,130.00	14,132.00
tblLandUse	LandUseSquareFeet	127,600.00	132,031.00
tblLandUse	LandUseSquareFeet	4,220.00	4,224.00
tblLandUse	LandUseSquareFeet	311,000.00	290,620.00
tblLandUse	LotAcreage	0.32	0.00
tblLandUse	LotAcreage	2.87	1.80
tblLandUse	LotAcreage	0.10	0.00
tblLandUse	LotAcreage	8.18	0.00
tblOffRoadEquipment	HorsePower	231.00	28.00
tblOffRoadEquipment	HorsePower	187.00	400.00
tblOffRoadEquipment	HorsePower	247.00	400.00
tblOffRoadEquipment	HorsePower	247.00	250.00
tblOffRoadEquipment	HorsePower	97.00	250.00
tblOffRoadEquipment	HorsePower	63.00	35.00
tblOffRoadEquipment	HorsePower	221.00	450.00
tblOffRoadEquipment	HorsePower	158.00	300.00
tblOffRoadEquipment	HorsePower	158.00	300.00
tblOffRoadEquipment	HorsePower	172.00	450.00
tblOffRoadEquipment	HorsePower	172.00	450.00

1766 El Camino Real Proposed Project - San Mateo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	HorsePower	172.00	250.00
tblOffRoadEquipment	HorsePower	172.00	400.00
tblOffRoadEquipment	HorsePower	132.00	400.00
tblOffRoadEquipment	HorsePower	8.00	450.00
tblOffRoadEquipment	HorsePower	65.00	125.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.00
tblStationaryGeneratorsPumpsEF	CO_EF	3.70	0.60
tblStationaryGeneratorsPumpsEF	CO2_EF	1.15	0.00
tblStationaryGeneratorsPumpsEF	NOX_EF	3.33	3.11
tblStationaryGeneratorsPumpsEF	PM10_EF	0.30	0.16
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.30	0.16
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	75.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.50
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripLength	20.00	32.00
tblTripsAndVMT	HaulingTripLength	20.00	32.00
tblTripsAndVMT	HaulingTripLength	20.00	32.00
tblTripsAndVMT	HaulingTripLength	20.00	32.00
tblTripsAndVMT	HaulingTripLength	20.00	32.00
tblTripsAndVMT	HaulingTripLength	20.00	32.00
tblTripsAndVMT	VendorTripNumber	58.00	22.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00

1766 El Camino Real Proposed Project - San Mateo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	28.00	25.00
tblTripsAndVMT	WorkerTripNumber	286.00	150.00
tblTripsAndVMT	WorkerTripNumber	8.00	40.00
tblTripsAndVMT	WorkerTripNumber	57.00	30.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	5.70	0.00
tblVehicleTrips	HO_TTP	54.00	0.00
tblVehicleTrips	HS_TL	4.80	0.00
tblVehicleTrips	HS_TTP	15.00	0.00
tblVehicleTrips	HW_TTP	31.00	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.91	0.00
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	SU_TR	4.09	0.00
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	WD_TR	5.44	4.54
tblVehicleTrips	WD_TR	9.74	0.00
tblWoodstoves	NumberCatalytic	6.22	0.00
tblWoodstoves	NumberNoncatalytic	6.22	0.00

2.0 Emissions Summary

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

1766 El Camino Real Proposed Project - San Mateo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category	lb/day										lb/day					
Area	8.1583	0.2345	19.5242	8.8000e-004		0.1059	0.1059		0.1059	0.1059						
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Mobile	4.1382	4.7756	46.8339	0.1024	11.6645	0.0652	11.7297	3.1047	0.0606	3.1652						
Stationary	0.0615	0.1877	0.0362	3.0000e-004		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003						
Total	**12.3580**	**5.1978**	**66.3943**	**0.1036**	**11.6645**	**0.1807**	**11.8452**	**3.1047**	**0.1761**	**3.2808**						

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2023	8/2/2023	5	45	
2	Site Preparation	Site Preparation	8/2/2023	1/3/2024	5	111	
3	Grading	Grading	8/2/2023	1/3/2024	5	111	
4	Building Construction	Building Construction	1/3/2024	12/19/2025	5	513	
5	Paving	Grading	3/1/2025	9/5/2025	5	135	
6	Architectural Coating	Architectural Coating	6/1/2025	9/2/2025	5	67	

Acres of Grading (Site Preparation Phase): 1.06

Acres of Grading (Grading Phase): 0.46

Acres of Paving: 1.8

Residential Indoor: 588,506; Residential Outdoor: 196,169; Non-Residential Indoor: 21,198; Non-Residential Outdoor: 7,066; Striped Parking Area:

Date: 4/21/2022 11:00 AM

1766 El Camino Real Proposed Project - San Mateo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	2	10.00	300	0.38
Demolition	Other Construction Equipment	2	8.00	450	0.42
Demolition	Skid Steer Loaders	2	8.00	125	0.37
Demolition	Tractors/Loaders/Backhoes	1	8.00	250	0.37
Site Preparation	Bore/Drill Rigs	4	8.00	450	0.50
Site Preparation	Excavators	2	8.00	300	0.38
Site Preparation	Other Construction Equipment	2	8.00	450	0.42
Site Preparation	Pumps	1	24.00	84	0.74
Site Preparation	Rubber Tired Dozers	2	8.00	250	0.40
Grading	Other Construction Equipment	2	8.00	250	0.42
Grading	Plate Compactors	2	8.00	450	0.43
Grading	Rubber Tired Dozers	2	8.00	400	0.40
Paving	Graders	1	8.00	400	0.41
Paving	Other Construction Equipment	1	8.00	400	0.42
Paving	Paving Equipment	1	8.00	400	0.36
Building Construction	Aerial Lifts	1	8.00	35	0.31
Building Construction	Cranes	1	8.00	28	0.29
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	7	10.00	0.00	98.00	10.80	7.30	32.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	11	25.00	0.00	6,130.00	10.80	7.30	32.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	32.00	LD_Mix	HDT_Mix	HHDT

1766 El Camino Real Proposed Project - San Mateo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Paving	3	40.00	0.00	0.00	10.80	7.30	32.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	150.00	22.00	0.00	10.80	7.30	32.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	30.00	0.00	0.00	10.80	7.30	32.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2126	0.0000	0.2126	0.0322	0.0000	0.0322						
Off-Road	0.7995	3.4644	29.3144	0.0651		0.1066	0.1066		0.1066	0.1066						
Total	**0.7995**	**3.4644**	**29.3144**	**0.0651**	**0.2126**	**0.1066**	**0.3192**	**0.0322**	**0.1066**	**0.1388**						

Mitigated Construction Off-Site

1766 El Camino Real Proposed Project - San Mateo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.9700e-003	0.5333	0.1640	2.2100e-003	0.0607	3.5700e-003	0.0642	0.0166	3.4100e-003	0.0200						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0237	0.0153	0.2014	6.4000e-004	0.0822	3.8000e-004	0.0825	0.0218	3.5000e-004	0.0221						
Total	**0.0307**	**0.5486**	**0.3655**	**2.8500e-003**	**0.1428**	**3.9500e-003**	**0.1468**	**0.0384**	**3.7600e-003**	**0.0422**						

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.4469	0.0000	5.4469	2.9831	0.0000	2.9831						
Off-Road	2.0027	8.6782	78.3642	0.1655		0.2670	0.2670		0.2670	0.2670						
Total	**2.0027**	**8.6782**	**78.3642**	**0.1655**	**5.4469**	**0.2670**	**5.7139**	**2.9831**	**0.2670**	**3.2501**						

Mitigated Construction Off-Site

1766 El Camino Real Proposed Project - San Mateo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1766	13.5233	4.1594	0.0561	1.5380	0.0904	1.6285	0.4209	0.0865	0.5075						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0593	0.0382	0.5036	1.5900e-003	0.2054	9.5000e-004	0.2063	0.0545	8.7000e-004	0.0554						
Total	**0.2360**	**13.5614**	**4.6630**	**0.0577**	**1.7434**	**0.0914**	**1.8348**	**0.4754**	**0.0874**	**0.5628**						

3.3 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.4469	0.0000	5.4469	2.9831	0.0000	2.9831						
Off-Road	2.0027	8.6782	78.3642	0.1656		0.2670	0.2670		0.2670	0.2670						
Total	**2.0027**	**8.6782**	**78.3642**	**0.1656**	**5.4469**	**0.2670**	**5.7139**	**2.9831**	**0.2670**	**3.2501**						

Mitigated Construction Off-Site

1766 El Camino Real Proposed Project - San Mateo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1743	13.3164	4.2796	0.0549	1.5384	0.0909	1.6293	0.4211	0.0869	0.5080						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0565	0.0342	0.4738	1.5400e-003	0.2054	9.0000e-004	0.2063	0.0545	8.3000e-004	0.0553						
Total	**0.2308**	**13.3507**	**4.7534**	**0.0564**	**1.7438**	**0.0918**	**1.8356**	**0.4756**	**0.0878**	**0.5633**						

3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.4219	0.0000	5.4219	2.9794	0.0000	2.9794						
Off-Road	0.3386	1.4674	12.4164	0.0279		0.0452	0.0452		0.0452	0.0452						
Total	**0.3386**	**1.4674**	**12.4164**	**0.0279**	**5.4219**	**0.0452**	**5.4670**	**2.9794**	**0.0452**	**3.0246**						

Mitigated Construction Off-Site

1766 El Camino Real Proposed Project - San Mateo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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						
Worker	0.0356	0.0229	0.3021	9.5000e-004	0.1232	5.7000e-004	0.1238	0.0327	5.2000e-004	0.0332						
Total	**0.0356**	**0.0229**	**0.3021**	**9.5000e-004**	**0.1232**	**5.7000e-004**	**0.1238**	**0.0327**	**5.2000e-004**	**0.0332**						

3.4 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.4219	0.0000	5.4219	2.9794	0.0000	2.9794						
Off-Road	0.3386	1.4674	12.4164	0.0279		0.0452	0.0452		0.0452	0.0452						
Total	**0.3386**	**1.4674**	**12.4164**	**0.0279**	**5.4219**	**0.0452**	**5.4670**	**2.9794**	**0.0452**	**3.0246**						

Mitigated Construction Off-Site

1766 El Camino Real Proposed Project - San Mateo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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						
Worker	0.0339	0.0206	0.2843	9.2000e-004	0.1232	5.4000e-004	0.1238	0.0327	5.0000e-004	0.0332						
Total	**0.0339**	**0.0206**	**0.2843**	**9.2000e-004**	**0.1232**	**5.4000e-004**	**0.1238**	**0.0327**	**5.0000e-004**	**0.0332**						

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						

Mitigated Construction Off-Site

1766 El Camino Real Proposed Project - San Mateo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0225	1.0442	0.3761	4.5200e-003	0.1487	5.3800e-003	0.1541	0.0428	5.1400e-003	0.0479						
Worker	0.3388	0.2055	2.8425	9.2300e-003	1.2322	5.4200e-003	1.2376	0.3268	4.9900e-003	0.3318						
Total	**0.3613**	**1.2497**	**3.2186**	**0.0138**	**1.3809**	**0.0108**	**1.3917**	**0.3696**	**0.0101**	**0.3798**						

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						

Mitigated Construction Off-Site

1766 El Camino Real Proposed Project - San Mateo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0218	1.0323	0.3759	4.4200e-003	0.1487	5.3700e-003	0.1541	0.0428	5.1400e-003	0.0479						
Worker	0.3243	0.1861	2.6802	8.9200e-003	1.2322	5.1800e-003	1.2374	0.3268	4.7700e-003	0.3316						
Total	**0.3461**	**1.2184**	**3.0560**	**0.0133**	**1.3809**	**0.0106**	**1.3915**	**0.3696**	**9.9100e-003**	**0.3795**						

3.6 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2000e-003	0.0000	1.2000e-003	1.3000e-004	0.0000	1.3000e-004						
Off-Road	0.3513	1.5224	12.8821	0.0286		0.0468	0.0468		0.0468	0.0468						
Total	**0.3513**	**1.5224**	**12.8821**	**0.0286**	**1.2000e-003**	**0.0468**	**0.0480**	**1.3000e-004**	**0.0468**	**0.0470**						

Mitigated Construction Off-Site

1766 El Camino Real Proposed Project - San Mateo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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						
Worker	0.0865	0.0496	0.7147	2.3800e-003	0.3286	1.3800e-003	0.3300	0.0872	1.2700e-003	0.0884						
Total	**0.0865**	**0.0496**	**0.7147**	**2.3800e-003**	**0.3286**	**1.3800e-003**	**0.3300**	**0.0872**	**1.2700e-003**	**0.0884**						

3.7 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	64.1165					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003						
Total	**64.1462**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**						

Mitigated Construction Off-Site

1766 El Camino Real Proposed Project - San Mateo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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						
Worker	0.0649	0.0372	0.5360	1.7800e-003	0.2464	1.0400e-003	0.2475	0.0654	9.5000e-004	0.0663						
Total	**0.0649**	**0.0372**	**0.5360**	**1.7800e-003**	**0.2464**	**1.0400e-003**	**0.2475**	**0.0654**	**9.5000e-004**	**0.0663**						

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.1382	4.7756	46.8339	0.1024	11.6645	0.0652	11.7297	3.1047	0.0606	3.1652						

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,411.94	0.00	0.00	3,964,728	3,964,728

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	1,411.94	0.00	0.00	3,964,728	3,964,728

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	0.00	0.00	100.00	0.00	0.00	100	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	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
Apartments Mid Rise	0.482872	0.070961	0.228579	0.141538	0.024887	0.006036	0.009864	0.002180	0.001505	0.000612	0.027990	0.000437	0.002540
Enclosed Parking with Elevator	0.482872	0.070961	0.228579	0.141538	0.024887	0.006036	0.009864	0.002180	0.001505	0.000612	0.027990	0.000437	0.002540
General Office Building	0.482872	0.070961	0.228579	0.141538	0.024887	0.006036	0.009864	0.002180	0.001505	0.000612	0.027990	0.000437	0.002540
Other Asphalt Surfaces	0.482872	0.070961	0.228579	0.141538	0.024887	0.006036	0.009864	0.002180	0.001505	0.000612	0.027990	0.000437	0.002540

5.0 Energy Detail

Historical Energy Use: N

6.0 Area Detail

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

No Hearths Installed

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.1583	0.2345	19.5242	8.8000e-004		0.1059	0.1059		0.1059	0.1059						
Unmitigated	8.5232	0.2961	25.6981	1.3600e-003		0.1422	0.1422		0.1422	0.1422						

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1769					0.0000	0.0000		0.0000	0.0000						
Consumer Products	6.5700					0.0000	0.0000		0.0000	0.0000						
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Landscaping	0.4114	0.2345	19.5242	8.8000e-004		0.1059	0.1059		0.1059	0.1059						
Total	**8.1583**	**0.2345**	**19.5242**	**8.8000e-004**		**0.1059**	**0.1059**		**0.1059**	**0.1059**						

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Fire Pump	1	0.5	50	75	0.73	Diesel

Boilers

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

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Fire Pump - Diesel (75 - 100 HP)	0.0615	0.1877	0.0362	3.0000e-004		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003						
Total	**0.0615**	**0.1877**	**0.0362**	**3.0000e-004**		**9.6600e-003**	**9.6600e-003**		**9.6600e-003**	**9.6600e-003**						

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	14.13	1000sqft	0.00	14,132.00	0
Enclosed Parking with Elevator	319.00	Space	1.80	132,031.00	0
Other Asphalt Surfaces	4.22	1000sqft	0.00	4,224.00	0
Apartments Mid Rise	311.00	Dwelling Unit	0.00	290,620.00	889

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2023
Utility Company					
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Criteria pollutants only

Land Use - 4,224 ft of asphalt added under asphalt. Land use types and units provided by applicant.

Construction Phase - Per applicant. Paving phase name's phase type changed to grading to allow for dust and material movement grading to be entered for the paving phase name.

Off-road Equipment - No architectural coating equipment. Provided so that trips would populate in later tab.

Off-road Equipment - Electric

Off-road Equipment - Per applicant

Off-road Equipment - Per applicant

Off-road Equipment - Per applicant

Date: 4/21/2022 10:58 AM

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - Per applicant. Pumps added for dewatering.

Trips and VMT - Assuming haul truck trips would primarily go to Zanker Landfill (32 miles from site). Employee trips provided by applicant.

Demolition - Applicant provided.

Grading - Material export and graded acres provided by applicant.

Architectural Coating -

Vehicle Trips - Annual VMT based on Hexagon 2020

Woodstoves - n/a

Area Coating -

Energy Use - No natural gas use and electricity N/A to criteria pollutants

Land Use Change - Did not include negligible 0.3 acre decrease in vegetation

Sequestration - Did not include net new 2 trees

Construction Off-road Equipment Mitigation - Tier 4 as a project commitment

Mobile Land Use Mitigation -

Area Mitigation - Electric landscape equipment to be consistent with Burlingame CAP.

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Operational Off-Road Equipment -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Emergency Generators and Fire Pumps EF - EFs provided by applicant where avaiable. Zeroed out N/A GHGs.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	67.00
tblConstructionPhase	NumDays	200.00	513.00
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	4.00	111.00
tblConstructionPhase	NumDays	4.00	135.00
tblConstructionPhase	NumDays	2.00	111.00
tblEnergyUse	NT24NG	2,615.00	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblEnergyUse	NT24NG	1.01	0.00
tblEnergyUse	T24NG	5,828.01	0.00
tblEnergyUse	T24NG	18.14	0.00
tblFireplaces	NumberGas	46.65	0.00
tblFireplaces	NumberWood	52.87	0.00
tblGrading	AcresOfGrading	111.00	0.46
tblGrading	AcresOfGrading	67.50	0.34
tblGrading	AcresOfGrading	111.00	1.06
tblGrading	MaterialExported	0.00	62,000.00
tblLandUse	LandUseSquareFeet	14,130.00	14,132.00
tblLandUse	LandUseSquareFeet	127,600.00	132,031.00
tblLandUse	LandUseSquareFeet	4,220.00	4,224.00
tblLandUse	LandUseSquareFeet	311,000.00	290,620.00
tblLandUse	LotAcreage	0.32	0.00
tblLandUse	LotAcreage	2.87	1.80
tblLandUse	LotAcreage	0.10	0.00
tblLandUse	LotAcreage	8.18	0.00
tblOffRoadEquipment	HorsePower	231.00	28.00
tblOffRoadEquipment	HorsePower	187.00	400.00
tblOffRoadEquipment	HorsePower	247.00	400.00
tblOffRoadEquipment	HorsePower	247.00	250.00
tblOffRoadEquipment	HorsePower	97.00	250.00
tblOffRoadEquipment	HorsePower	63.00	35.00
tblOffRoadEquipment	HorsePower	221.00	450.00
tblOffRoadEquipment	HorsePower	158.00	300.00
tblOffRoadEquipment	HorsePower	158.00	300.00
tblOffRoadEquipment	HorsePower	172.00	450.00
tblOffRoadEquipment	HorsePower	172.00	450.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	HorsePower	172.00	250.00
tblOffRoadEquipment	HorsePower	172.00	400.00
tblOffRoadEquipment	HorsePower	132.00	400.00
tblOffRoadEquipment	HorsePower	8.00	450.00
tblOffRoadEquipment	HorsePower	65.00	125.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.00
tblStationaryGeneratorsPumpsEF	CO_EF	3.70	0.60
tblStationaryGeneratorsPumpsEF	CO2_EF	1.15	0.00
tblStationaryGeneratorsPumpsEF	NOX_EF	3.33	3.11
tblStationaryGeneratorsPumpsEF	PM10_EF	0.30	0.16
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.30	0.16
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	75.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.50
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripLength	20.00	32.00
tblTripsAndVMT	HaulingTripLength	20.00	32.00
tblTripsAndVMT	HaulingTripLength	20.00	32.00
tblTripsAndVMT	HaulingTripLength	20.00	32.00
tblTripsAndVMT	HaulingTripLength	20.00	32.00
tblTripsAndVMT	HaulingTripLength	20.00	32.00
tblTripsAndVMT	VendorTripNumber	58.00	22.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	28.00	25.00
tblTripsAndVMT	WorkerTripNumber	286.00	150.00
tblTripsAndVMT	WorkerTripNumber	8.00	40.00
tblTripsAndVMT	WorkerTripNumber	57.00	30.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	5.70	0.00
tblVehicleTrips	HO_TTP	54.00	0.00
tblVehicleTrips	HS_TL	4.80	0.00
tblVehicleTrips	HS_TTP	15.00	0.00
tblVehicleTrips	HW_TTP	31.00	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.91	0.00
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	SU_TR	4.09	0.00
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	WD_TR	5.44	4.54
tblVehicleTrips	WD_TR	9.74	0.00
tblWoodstoves	NumberCatalytic	6.22	0.00
tblWoodstoves	NumberNoncatalytic	6.22	0.00

2.0 Emissions Summary

2.1 Overall Construction

Mitigated Construction

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1594	1.3592	5.8358	0.0151	0.6919	0.0243	0.7162	0.3501	0.0241	0.3741						
2024	0.0467	0.1929	0.5472	2.1700e-003	0.1928	2.0100e-003	0.1948	0.0562	1.9200e-003	0.0581						
2025	2.2196	0.2612	1.3673	3.9500e-003	0.1968	4.7600e-003	0.2016	0.0528	4.6600e-003	0.0574						
Maximum	**2.2196**	**1.3592**	**5.8358**	**0.0151**	**0.6919**	**0.0243**	**0.7162**	**0.3501**	**0.0241**	**0.3741**						

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	1.4508	0.0211	1.7572	8.0000e-005		9.5300e-003	9.5300e-003		9.5300e-003	9.5300e-003						
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Mobile	0.5283	0.5870	5.7742	0.0133	1.4536	8.4700e-003	1.4620	0.3882	7.8600e-003	0.3961						
Stationary	3.0800e-003	9.3800e-003	1.8100e-003	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004						
Waste						0.0000	0.0000		0.0000	0.0000						
Water						0.0000	0.0000		0.0000	0.0000						
Total	**1.9822**	**0.6175**	**7.5332**	**0.0134**	**1.4536**	**0.0185**	**1.4720**	**0.3882**	**0.0179**	**0.4061**						

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2023	8/2/2023	5	45	
2	Site Preparation	Site Preparation	8/2/2023	1/3/2024	5	111	
3	Grading	Grading	8/2/2023	1/3/2024	5	111	
4	Building Construction	Building Construction	1/3/2024	12/19/2025	5	513	
5	Paving	Grading	3/1/2025	9/5/2025	5	135	
6	Architectural Coating	Architectural Coating	6/1/2025	9/2/2025	5	67	

Acres of Grading (Site Preparation Phase): 1.06

Acres of Grading (Grading Phase): 0.46

Acres of Paving: 1.8

Residential Indoor: 588,506; Residential Outdoor: 196,169; Non-Residential Indoor: 21,198; Non-Residential Outdoor: 7,066; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	2	10.00	300	0.38
Demolition	Other Construction Equipment	2	8.00	450	0.42
Demolition	Skid Steer Loaders	2	8.00	125	0.37
Demolition	Tractors/Loaders/Backhoes	1	8.00	250	0.37
Site Preparation	Bore/Drill Rigs	4	8.00	450	0.50
Site Preparation	Excavators	2	8.00	300	0.38

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Site Preparation	Other Construction Equipment	2	8.00	450	0.42
Site Preparation	Pumps	1	24.00	84	0.74
Site Preparation	Rubber Tired Dozers	2	8.00	250	0.40
Grading	Other Construction Equipment	2	8.00	250	0.42
Grading	Plate Compactors	2	8.00	450	0.43
Grading	Rubber Tired Dozers	2	8.00	400	0.40
Paving	Graders	1	8.00	400	0.41
Paving	Other Construction Equipment	1	8.00	400	0.42
Paving	Paving Equipment	1	8.00	400	0.36
Building Construction	Aerial Lifts	1	8.00	35	0.31
Building Construction	Cranes	1	8.00	28	0.29
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	7	10.00	0.00	98.00	10.80	7.30	32.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	11	25.00	0.00	6,130.00	10.80	7.30	32.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	32.00	LD_Mix	HDT_Mix	HHDT
Paving	3	40.00	0.00	0.00	10.80	7.30	32.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	150.00	22.00	0.00	10.80	7.30	32.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	30.00	0.00	0.00	10.80	7.30	32.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2023

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					4.7800e-003	0.0000	4.7800e-003	7.2000e-004	0.0000	7.2000e-004						
Off-Road	0.0180	0.0780	0.6596	1.4700e-003		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003						
Total	**0.0180**	**0.0780**	**0.6596**	**1.4700e-003**	**4.7800e-003**	**2.4000e-003**	**7.1800e-003**	**7.2000e-004**	**2.4000e-003**	**3.1200e-003**						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6000e-004	0.0118	3.6800e-003	5.0000e-005	1.3100e-003	8.0000e-005	1.4000e-003	3.6000e-004	8.0000e-005	4.4000e-004						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	4.8000e-004	3.2000e-004	4.3600e-003	1.0000e-005	1.7700e-003	1.0000e-005	1.7800e-003	4.7000e-004	1.0000e-005	4.8000e-004						
Total	**6.4000e-004**	**0.0121**	**8.0400e-003**	**6.0000e-005**	**3.0800e-003**	**9.0000e-005**	**3.1800e-003**	**8.3000e-004**	**9.0000e-005**	**9.2000e-004**						

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3.3 Site Preparation - 2023

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					0.2942	0.0000	0.2942	0.1611	0.0000	0.1611						
Off-Road	0.1081	0.4686	4.2317	8.9400e-003		0.0144	0.0144		0.0144	0.0144						
Total	**0.1081**	**0.4686**	**4.2317**	**8.9400e-003**	**0.2942**	**0.0144**	**0.3086**	**0.1611**	**0.0144**	**0.1755**						

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	9.7000e-003	0.7182	0.2242	3.0300e-003	0.0800	4.8800e-003	0.0849	0.0220	4.6700e-003	0.0267						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	2.9100e-003	1.9000e-003	0.0262	9.0000e-005	0.0106	5.0000e-005	0.0107	2.8300e-003	5.0000e-005	2.8800e-003						
Total	**0.0126**	**0.7201**	**0.2504**	**3.1200e-003**	**0.0907**	**4.9300e-003**	**0.0956**	**0.0248**	**4.7200e-003**	**0.0295**						

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3.3 Site Preparation - 2024

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					9.6300e-003	0.0000	9.6300e-003	4.6900e-003	0.0000	4.6900e-003						
Off-Road	3.0000e-003	0.0130	0.1176	2.5000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004						
Total	**3.0000e-003**	**0.0130**	**0.1176**	**2.5000e-004**	**9.6300e-003**	**4.0000e-004**	**0.0100**	**4.6900e-003**	**4.0000e-004**	**5.0900e-003**						

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	2.7000e-004	0.0196	6.4100e-003	8.0000e-005	2.2200e-003	1.4000e-004	2.3600e-003	6.1000e-004	1.3000e-004	7.4000e-004						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	8.0000e-005	5.0000e-005	6.8000e-004	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005						
Total	**3.5000e-004**	**0.0197**	**7.0900e-003**	**8.0000e-005**	**2.5200e-003**	**1.4000e-004**	**2.6600e-003**	**6.9000e-004**	**1.3000e-004**	**8.2000e-004**						

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3.4 Grading - 2023

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					0.2928	0.0000	0.2928	0.1609	0.0000	0.1609						
Off-Road	0.0183	0.0792	0.6705	1.5100e-003		2.4400e-003	2.4400e-003		2.4400e-003	2.4400e-003						
Total	**0.0183**	**0.0792**	**0.6705**	**1.5100e-003**	**0.2928**	**2.4400e-003**	**0.2952**	**0.1609**	**2.4400e-003**	**0.1633**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.7500e-003	1.1400e-003	0.0157	5.0000e-005	6.3800e-003	3.0000e-005	6.4100e-003	1.7000e-003	3.0000e-005	1.7300e-003						
Total	**1.7500e-003**	**1.1400e-003**	**0.0157**	**5.0000e-005**	**6.3800e-003**	**3.0000e-005**	**6.4100e-003**	**1.7000e-003**	**3.0000e-005**	**1.7300e-003**						

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3.4 Grading - 2024

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					8.2400e-003	0.0000	8.2400e-003	4.4800e-003	0.0000	4.4800e-003						
Off-Road	5.1000e-004	2.2000e-003	0.0186	4.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005						
Total	**5.1000e-004**	**2.2000e-003**	**0.0186**	**4.0000e-005**	**8.2400e-003**	**7.0000e-005**	**8.3100e-003**	**4.4800e-003**	**7.0000e-005**	**4.5500e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	5.0000e-005	3.0000e-005	4.1000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005						
Total	**5.0000e-005**	**3.0000e-005**	**4.1000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**						

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3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	2.9400e-003	0.1333	0.0481	5.9000e-004	0.0187	7.0000e-004	0.0194	5.4000e-003	6.7000e-004	6.0700e-003						
Worker	0.0398	0.0246	0.3554	1.2000e-003	0.1535	7.0000e-004	0.1542	0.0409	6.5000e-004	0.0415						
Total	**0.0428**	**0.1579**	**0.4035**	**1.7900e-003**	**0.1722**	**1.4000e-003**	**0.1736**	**0.0463**	**1.3200e-003**	**0.0476**						

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3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	2.7800e-003	0.1282	0.0468	5.6000e-004	0.0182	6.8000e-004	0.0189	5.2600e-003	6.5000e-004	5.9000e-003						
Worker	0.0370	0.0217	0.3259	1.1300e-003	0.1494	6.6000e-004	0.1500	0.0398	6.0000e-004	0.0404						
Total	**0.0398**	**0.1499**	**0.3727**	**1.6900e-003**	**0.1676**	**1.3400e-003**	**0.1689**	**0.0450**	**1.2500e-003**	**0.0463**						

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3.6 Paving - 2025

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					8.0000e-005	0.0000	8.0000e-005	1.0000e-005	0.0000	1.0000e-005						
Off-Road	0.0237	0.1028	0.8695	1.9300e-003		3.1600e-003	3.1600e-003		3.1600e-003	3.1600e-003						
Total	**0.0237**	**0.1028**	**0.8695**	**1.9300e-003**	**8.0000e-005**	**3.1600e-003**	**3.2400e-003**	**1.0000e-005**	**3.1600e-003**	**3.1700e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	5.2600e-003	3.0900e-003	0.0464	1.6000e-004	0.0213	9.0000e-005	0.0214	5.6600e-003	9.0000e-005	5.7400e-003						
Total	**5.2600e-003**	**3.0900e-003**	**0.0464**	**1.6000e-004**	**0.0213**	**9.0000e-005**	**0.0214**	**5.6600e-003**	**9.0000e-005**	**5.7400e-003**						

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3.7 Architectural Coating - 2025

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	2.1479					0.0000	0.0000		0.0000	0.0000						
Off-Road	1.0000e-003	4.3100e-003	0.0614	1.0000e-004		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004						
Total	**2.1489**	**4.3100e-003**	**0.0614**	**1.0000e-004**		**1.3000e-004**	**1.3000e-004**		**1.3000e-004**	**1.3000e-004**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.9600e-003	1.1500e-003	0.0173	6.0000e-005	7.9100e-003	3.0000e-005	7.9500e-003	2.1100e-003	3.0000e-005	2.1400e-003						
Total	**1.9600e-003**	**1.1500e-003**	**0.0173**	**6.0000e-005**	**7.9100e-003**	**3.0000e-005**	**7.9500e-003**	**2.1100e-003**	**3.0000e-005**	**2.1400e-003**						

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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5283	0.5870	5.7742	0.0133	1.4536	8.4700e-003	1.4620	0.3882	7.8600e-003	0.3961						

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,411.94	0.00	0.00	3,964,728	3,964,728
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	1,411.94	0.00	0.00	3,964,728	3,964,728

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	0.00	0.00	100.00	0.00	0.00	100	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

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Other Asphalt Surfaces	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
Apartments Mid Rise	0.482872	0.070961	0.228579	0.141538	0.024887	0.006036	0.009864	0.002180	0.001505	0.000612	0.027990	0.000437	0.002540
Enclosed Parking with Elevator	0.482872	0.070961	0.228579	0.141538	0.024887	0.006036	0.009864	0.002180	0.001505	0.000612	0.027990	0.000437	0.002540
General Office Building	0.482872	0.070961	0.228579	0.141538	0.024887	0.006036	0.009864	0.002180	0.001505	0.000612	0.027990	0.000437	0.002540
Other Asphalt Surfaces	0.482872	0.070961	0.228579	0.141538	0.024887	0.006036	0.009864	0.002180	0.001505	0.000612	0.027990	0.000437	0.002540

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						

5.3 Energy by Land Use - Electricity

Mitigated

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	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.20866e+006				
Enclosed Parking with Elevator	718249				
General Office Building	170149				
Other Asphalt Surfaces	0				
Total					

6.0 Area Detail

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive 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	1.4508	0.0211	1.7572	8.0000e-005		9.5300e-003	9.5300e-003		9.5300e-003	9.5300e-003						

1766 El Camino Real Proposed Project - San Mateo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2148					0.0000	0.0000		0.0000	0.0000						
Consumer Products	1.1990					0.0000	0.0000		0.0000	0.0000						
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Landscaping	0.0370	0.0211	1.7572	8.0000e-005		9.5300e-003	9.5300e-003		9.5300e-003	9.5300e-003						
Total	**1.4508**	**0.0211**	**1.7572**	**8.0000e-005**		**9.5300e-003**	**9.5300e-003**		**9.5300e-003**	**9.5300e-003**						

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category	MT/yr			
Mitigated				

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	20.2629 / 12.7744				
Enclosed Parking with Elevator	0 / 0				
General Office Building	2.51138 / 1.53923				
Other Asphalt Surfaces	0 / 0				
Total					

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Fire Pump	1	0.5	50	75	0.73	Diesel

Boilers

1766 El Camino Real Proposed Project - San Mateo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Fire Pump - Diesel (75 - 100 HP)	3.0800e-003	9.3800e-003	1.8100e-003	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004						
Total	**3.0800e-003**	**9.3800e-003**	**1.8100e-003**	**1.0000e-005**		**4.8000e-004**	**4.8000e-004**		**4.8000e-004**	**4.8000e-004**						

Health Risk Assessment Methodology and Calculations

The AERMOD model is a steady-state Gaussian plume model that was developed by EPA for estimating ground-level impacts from point, area, and fugitive sources in simple and complex terrain. Dispersion models such as AERMOD require local meteorological parameters such as wind speed, stability class, mixing height, and temperature. Hourly meteorological data previously developed by CARB from the San Francisco International Airport covering a 5-year period from 2009 through 2013 were used in the analysis. Construction and operation activities were modeled to occur Monday through Friday between 9 a.m. and 5 p.m. throughout the year.

The OEHHA-recommended range for analyzing the inhalation pathway is 0 to 1.8 meters. For construction of the Project, all receptors were modeled at 0 meters. Receptors were placed at all residences, senior care centers, and medical centers within 1,000 feet of the Project site. Onsite construction exhaust and dust emissions for the Project were characterized as area sources (AREAPOLY) with a release height of 4.1 meters (13.5 feet) and 0.9 meters (3.0 feet), respectively. Offsite construction exhaust and dust emissions were characterized as line/area sources (LINEAREA) with a release height of 3.4 meters (10.7 feet) and 0.9 meters (3.0 feet), respectively. The urban dispersion option with an elevation of 0 meters was used for this location. All other AERMOD inputs are considered regulatory defaults.

For operation of the project, all AERMOD inputs from the construction run were used except for the following. Ground-level receptors were modeled at 0 meters and onsite residential receptors living on the remaining 8 floors of the proposed building were modeled at approximately 3-meter increments. Onsite emergency pump exhaust emissions for the Project was characterized as a point source (POINT). The generator exhaust would be vented at a release height of 0.3 meters off the ground. The gas exit temperature (622 Kelvin), stack inside diameter (3 inches), and gas exit velocity (53.2 meters per second) were based on the technical specifications of a 100-horsepower diesel engine in CARB's 2000 *Risk Management Guidance for the Permitting of New Stationary Diesel-Fueled Engines*.[1] All other AERMOD inputs are considered regulatory defaults.

The risk calculations incorporate OEHHA's recent guidance update, which now includes age-specific factors that take into account increased sensitivity to carcinogens during early-in-life exposure. The approach to estimating cancer risk from long-term inhalation, with exposure to carcinogens, requires calculating a range of potential doses and multiplying by cancer potency factors in units corresponding to the inverse dose to obtain a range of cancer risks. For cancer risk, the risk for each age group is calculated using the appropriate daily breathing rates, age sensitivity factors, and exposure duration. The cancer risks calculated for individual age groups are summed to estimate the cancer risk for each receptor.

The project would be constructed in 33 months. For construction, the age-specific sensitivity factors for the maximally exposed individual were conservatively based on an individual in the third trimester of pregnancy for the first 2 months of construction, aged 0 to 2 for the next 24 months of construction, and aged 2 to 9 for the remaining 7 months of construction. For operation, the age-specific sensitivity factors for the maximally exposed individual experiencing a 30-year exposure were also based on the age bins of 2 to 9. The construction and operation age bins assumptions are consistent with OEHHA and BAAQMD recommendations.

[1] https://ww3.arb.ca.gov/diesel/documents/rmgfinal.pdf.

Operational Risk Analysis from Fire Pump Emissions

Discrete Receptor ID (Group Name)	Location Lookup	Dose Inhallation by Bin	Cancer Risk by Bin	Chronic HI (max annual)	Concentration (AVERAGE CONC) [ug/m^3]
ONSITE	554539.03, 4160964.85	9E-06	2.06	0.00	0.01
ONSITE	554559.03, 4160984.85	1E-06	0.32	0.00	0.00
ONSITE	554539.03, 4160984.85	1E-06	0.26	0.00	0.00
ONSITE	554519.03, 4160984.85	3E-07	0.06	0.00	0.00
ONSITE	554539.03, 4161004.85	2E-07	0.04	0.00	0.00
ONSITE	554559.03, 4161004.85	2E-07	0.04	0.00	0.00
ONSITE	554579.03, 4161004.85	1E-07	0.02	0.00	0.00
ONSITE	554519.03, 4161004.85	1E-07	0.02	0.00	0.00
REC	554515.09, 4160898.43	7E-08	0.02	0.00	0.00
ALLRECEP	554615.09, 4160948.43	7E-08	0.02	0.00	0.00

Construction + Operation Cancer Risk and Chronic Hazard Index

Discrete Receptor ID (Group Name)	Location Lookup	Cancer Risk by Bin	Chronic HI (max annual)
	554615.09, 4161023.43	4.2	0.01
	554640.09, 4161023.43	2.1	0.00
ONSITE	554539.03, 4160964.85	2.1	0.00
	554640.09, 4161048.43	2.0	0.00
	554640.09, 4160998.43	1.9	0.00
	554465.09, 4160948.43	1.5	0.00
	554615.09, 4160948.43	1.5	0.00
	554640.09, 4160973.43	1.5	0.00
	554490.09, 4160923.43	1.5	0.00
	554440.09, 4160973.43	1.2	0.00

Construction PM2.5 Total (Fugitive + Exhaust)

Location Lookup	PM2.5 Total (ug/m3)
554615.09, 4161023.43	0.15
554640.09, 4161023.43	0.13
554640.09, 4161048.43	0.12
554640.09, 4160998.43	0.11
554465.09, 4160948.43	0.10
554490.09, 4160923.43	0.09
554615.09, 4160948.43	0.09
554640.09, 4160973.43	0.09
554440.09, 4160973.43	0.08

Health Risk - Dose and Risk Factors and Values

Dose factors

$$Dose\text{-}air = C_{air} \times (BR/BW) \times A \times EF \times 10^{-6}$$

$$Dose\text{-}air = (C_{air} \times WAF) \times (BR/BW) \times A \times EF \times 10^{-6}$$

		3rd trimester	0<2	2<9	2<16	16<30	16-70	source
Daily Breath Rate (BR/BW) (L/kg-day)	Residential	361	1090	631	572	261	233	OEHHA 2015, Table 5.6, 95th %ile for 3rdtri-2yrs old; 80th for other age groups
	Recreational	240	1200	640	520	240	230	OEHHA 2015, Table 5.8 (95th, moderate) for all bins but 3rd tri, which was taken from SJVA
A		1	1	1	1	1	1	OEHHA 2015, page 5-24
EF, Exposure frequency (unitless), days/365 days	Residential	0.96	0.96	0.96	0.96	0.96	0.96	OEHHA 2015, page 5-24, 350 days/yr
	Recreational	0.024	0.024	0.024	0.024	0.024	0.024	OEHHA 2012
Conversion Factor		1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06	(mg/ug + m3/L)

Risk Factors

$$RISK_{inh\text{-}res} = DOSE_{air} \times CPF \times ASF \times ED/AT \times FAH$$

		3rd trimester	0<2	2<9	2<16	16<30	16-70	source
CPF, DPM ($[mg/kg\text{-}day]^{-1}$)		1.1	1.1	1.1	1.1	1.1	1.1	OEHHA 2015, Table 7.1
Average Age Sensitivity Factor		10	10	3	3	1	1	OEHHA 2015, Table 8.3
AT, Average Time (days)		70	70	70	70	70	70	Averaging time for lifetime cancer risk
FAH		0.85	0.85	0.72	0.72	0.73	0.73	OEHHA 2015, Table 8.4: Use FAH = 1 if a school is within the 1×10-6 (or greater) cancer risk isopleth
ED, Exposure Duration (years)		0.25	2	7	14	14	54	Equation 8.2.4 A, OEHHA 2015
Adjustment Factor	Residential	1.00	1.00	1.00	1.00	1.00	1.00	OEHHA 2015, Page 4-44 and Equation 4.1; exposure is adjusted upward to account for
	Recreational	3.36	3.36	3.36	3.36	3.36	3.36	OEHHA 2015, Page 4-44 and Equation 4.1; exposure is adjusted upward to account for overlapping daytime exposure.

Hazard Index

Chronic Inhalation Reference Exposure Level, respiratory, DPM	5	OEHHA 2015, Table 6.3

AERMOD Output Available Upon Request

Appendix G
DPR Forms

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code _____
Other Listings _____
Review Code _____ Reviewer _____ Date _____

 ***Resource Name or #** (Assigned by recorder) 1766 El Camino Real

P1. Other Identifier: Peninsula Museum of Art; Sutter Health
***P2. Location:** ☐ **Not for Publication** ☑ **Unrestricted** ***a. County** San Mateo
And (P2b and P2c or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Montara Mountain **Date** 2018 **T**; **R**; **of Sec** ____; **B.M.**
c. Address: 1766 El Camino Real City Burlingame Zip 94010
d. UTM: (give more than one for large and/or linear resources) Zone 10S; 554524.36mE/ 4161008.03 mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) APN: 025-161-110

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

1766 El Camino Real is a one-story Midcentury Modern-style steel frame commercial office building, currently housing a museum and medical offices. The property is located at the intersection of El Camino Real and Trousdale Drive in Burlingame. The subject building's lot slopes down from west to east: it features one story at its primary (west) façade and an exposed basement level at its south, rear (east), and north facades. Two below-grade entrances that lead to the lower basement are located at the rear and north facades, respectively. It has an asymmetrical plan formed by a primary rectangular volume (primary volume) at the west and a rear rectangular addition (rear addition) to the east. These two rectangular volumes are joined near the building's southeast corner, which are slightly separated from one another. The space between the primary volume and the rear addition forms a rectangular courtyard. Three smaller volumes are attached to the primary volume's northeast and east façades. The subject building is primarily clad in smooth stucco. It has a flat roof with no eaves and features projecting fins that extend down past each window, located across the primary volume and rear addition's façades. The building faces west toward El Camino Real and is adjacent to the Burlingame Police Department building to the east. To the east of this neighboring building are the Caltrain and BART train tracks. The legal parcel containing the building also encompasses an L-shaped surface parking lot to the east of the building which extends east to California Drive. This rear parking lot contains minimal landscaping including small shrubs and trees. Immediately surrounding the building are landscaped areas containing a manicured lawn, mature trees, and shrubs lining the primary, south, and north façades. The rear addition's west façade and adjacent interior courtyard also contain small bushes, shrubs, and/or trees. Pebbledash pathways within manicured lawn areas are located at the primary volume's south façade and near the rear addition's west façade (*The Times San Mateo* 1965:15). (See continuation sheet.)

P5a. Photograph or Drawing (Photograph required for buildings, structures and objects)

Figure 1: View of north and primary (west) façades, facing southeast. Source: ICF, 2/12/2020.

***P3b. Resource Attributes:** (List attributes and codes) HP6 (1-3 story commercial building)
***P4. Resources Present:** ☑ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other

P5b. Description of Photo: (View, date, accession #) Figure 1: Primary (west) façade looking southeast, 2/12/2020

***P6. Date Constructed/Age and Sources:**
☑Historic ☐ Prehistoric ☐ Both
1959 (Source: Newspaper article, *The Times San Mateo* 1965:15)

***P7. Owner and Address:**
Certosa Inc and Vincent A Muzzi
1818 Gilbreth Rd, Suite 123
Burlingame, CA 94010

***P8. Recorded by:** (Name, affiliation, address)
Andrea Dumovich, ICF
201 Mission Street, Suite 1500
San Francisco, CA 94105

***P9. Date Recorded:** 2/12/20
***P10. Survey Type:** (Describe) Intensive

***P11. Report Citation:** ICF. 2020. *1766 El Camino Real Project Initial Study/Mitigated Negative Declaration*. Administrative Draft. June 2020. (ICF 00146.19.) San Francisco, CA. Prepared for City of Burlingame, Burlingame, CA.
***Attachments:** ☐NONE ☐ Location Map ☐ Sketch Map ☑ Continuation Sheet ☑ Building, Structure, and Object Record ☐ Archaeological Record ☐District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☐ Photograph Record

B1. Historic Name: American Can Company
B2. Common Name: 1766 El Camino Real
B3. Original Use Commercial Office Building B4. Present Use: Commercial Office Building and Art Museum
*B5. Architectural Style: Midcentury Modern
***B6. Construction History:** (Construction date, alteration, and date of alterations)

1766 El Camino Real was built in 1959, as indicated by a newspaper article that mentions its construction date (*The Times San Mateo* 1965:15). Available records at the City of Burlingame Building Division did not include the original building permit, and available building permits were limited. The earliest available permit, dated 1966, notes a building alteration and addition but does not describe any specific scopes or locations of the work. However, aerial photographs reveal that the subject building expanded to the southeast at this time. Sign permits were filed in 1967 for the Pacific Standard Life Company tenant, in 1976 for owner Dominic Muzzi, and in 2015 for tenant Sutter Health. A new stairway was added in 1973, however the permit does not indicate if it was added to the building's interior or exterior. In 1983, the subject building was reroofed with tar and gravel. In 1996, architect Larry Friesen designed an ADA ramp at the primary entrance and an east roof extension near the loading dock at the rear. Undated permits were filed for a 100+ square foot addition and the addition of a side gate at the top of a stairwell. Visual inspection indicates that the wood beams and corrugated plastic roof at the north façade stairwell were later additions added at an unknown date. A 1965 newspaper article notes that the building originally was clad in "colorful aluminum panels and glass" which appear to no longer be extant (*The Times San Mateo* 1965:15).

Historic aerial photographs reveal that between 1965-1968, the subject building expanded to the southeast with the addition of the large rear addition with basement. The rear addition was designed in a style compatible with the primary volume, featuring similar rectangular-shaped windows, similar projecting fins that extend down past each window, and smooth stucco cladding. Between 1968-1980, at least one of the smaller building volumes at the east façade was added to the subject building. It appears that between 2002-2005 another building volume was added to the east façade, likely to accommodate the Peninsula Art Museum which moved into the subject property in circa 2005 (Peninsula Art Museum 2020). Since 2005, the building footprint appears to have remained unchanged (City of Burlingame Building Division 1966–2015; UC Santa Barbara 2020; NETR 2020).

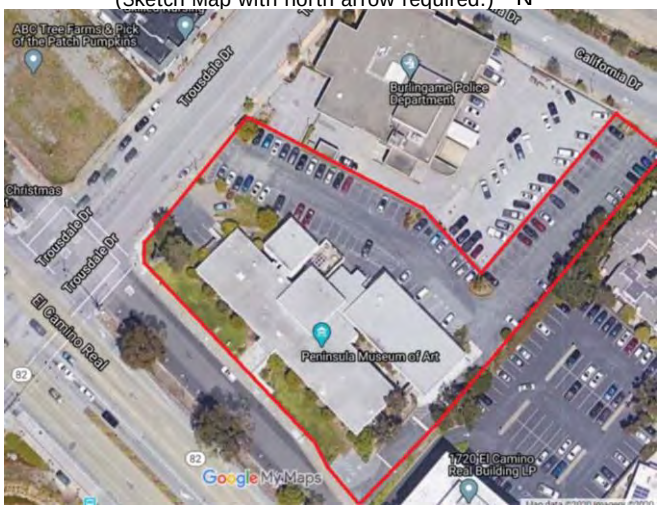
***B7. Moved?** ☑ No ☐ Yes ☐ Unknown **Date:** N/A **Original Location:** N/A
***B8. Related Features:** n/a
B9a. Architect: Original architect unknown; Mogens Mogensen, A.I.A (circa 1968 rear addition); Friesen Architects (1996 ADA ramp and east roof extension)
b. Builder: Unknown
***B10. Significance: Theme** N/A **Area** N/A
Period of Significance N/A **Property Type** N/A **Applicable Criteria** N/A
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

Historic Context: Burlingame

The City of Burlingame currently occupies land that was formerly two Mexican-era ranchos: Buri Buri Rancho to the north and Rancho San Mateo to the south. The Buri Buri Rancho was granted to Mexican soldier Jose Antonio Sanchez, who built a house on El Camino Real, near the current border of Millbrae and Burlingame. Rancho San Mateo, originally granted by the last of California's Mexican governors, Pio Pico, changed ownership hands a few times until William Davis Merry Howard acquired it and established a dairy farm on the land.

(See continuation sheet.)

(Sketch Map with north arrow required.) N



B11. Additional Resource Attributes: (List attributes and codes)

***B12. References:** (See continuation sheet.)
B13. Remarks: n/a
***B14. Evaluator:** Andrea Dumovich, ICF
***Date of Evaluation:** 2/12/2020

(This space reserved for official comments.)

***P3a. Description (continued):**

At its center, the primary volume's primary façade features a primary entrance comprised of a fully glazed pairing of doors with a transom window and large side lites (**Figure 1**). Lettering identifying the address "1766 El Camino Real" is mounted to the articulated roof projection, which is a sloped, rectangular canopy that extends above the main entrance (**Figure 2**). The building's entrance is flanked by a metal-frame window assembly of one-over-four windows (**Figure 3**). The upper four windows appear fixed while the bottom window is an operable hopper window.

The primary façade is accessible by a stone walkway with three shallow steps and hand railings leading to the main entrance, as well as an Americans with Disabilities Act (ADA) ramp and hand railing. A two-sided "Sutter Health" sign is situated near the primary entrance.

The primary volume's south façade features the two rectangular volumes (primary volume and rear addition) with a central courtyard between them (**Figures 4 and 5**). These volumes share the following similarities: fixed, rectangular metal-frame windows at the first story, which are divided by projecting fins; and two raised building entrances at the first story, which are accessible by sets of pebble dash stairs. The primary volume's south façade has limited fenestration. It features a partially glazed aluminum-frame pedestrian door that is semi-concealed by a tall stairwell platform wall clad in smooth stucco. The courtyard between the two volumes features an exposed basement level and the first story above it. The courtyard's exposed basement windows are a mix of fixed and slightly recessed rectangular windows which are widely spaced between each other, and four large, fixed rectangular windows each divided into four lites. The courtyard contains two entrances at the basement-level. One entrance, a double metal-frame pedestrian door with transom and side lite, contains "Peninsula Museum of Art" signage above the entrance. The other door appears to be a double pedestrian door with a metal-frame. The courtyard contains concrete planter boxes with landscaping and exterior light fixtures. The rear addition's south façade features a row of fixed, rectangular metal-frame windows at the exposed basement level. At the first story is a fully glazed aluminum-frame pedestrian door with transom, which is accessible by a suspended stairwell platform that spans over the lower courtyard entrance, between the base of the primary volume to the first story of the rear addition (**Figure 6**).

The rear (east) façade contains four building volumes with various setbacks: one large rectangular volume (rear addition) near the southeast and three smaller building volumes at the building's northeast and east facades. The rear addition's east façade contains approximately four fixed rectangular glazed windows at the basement level, located at the base of the building's façade, near the ground. Fixed, rectangular metal-frame windows divided by projected fins span the length of the rear addition's east facade, at the first story (**Figure 7**). The three smaller volumes contain paired pedestrian doors constructed of either metal or wood, one of which is raised and accessed by a set of stairs. A metal canopy shades a loading dock and basement entrance with stairs located between the rear addition and small building volumes. A sign reading "Peninsula Museum of Art" is affixed to the south end of the rear addition, and extends over a paved walkway.

The north façade contains the primary volume to the west and a smaller rear volume to the east. The small rectangular volume lacks fenestration. The primary volume at this façade contains at least two pairs of fixed, rectangular metal-frame windows and an entrance at both the first story and below-grade basement level (**Figure 8**). The first-story entrance consists of paired, aluminum-frame pedestrian doors that are partially concealed by a tall stairwell platform wall clad in smooth stucco. The stairwell contains wood beams and what appears to be a corrugated plastic roof and is accessible by terra cotta tile steps with metal hand railings. The basement entrance is a metal paired pedestrian door accessible by below-grade descending concrete steps with metal hand railings.

The northwest corner of the subject property's parcel contains a three-piece concave sign raised by three metal support posts, which reads "1766 El Camino Building" on each of the three sides. Just below the concave sign is a smaller, one-sided rectangular metal sign that reads "Peninsula Museum of Art," with "Museum Studios," below it, and base text that reads "museum entrance" with an adjacent arrow pointing to the east (**Figure 9**).

***B10. Significance (continued):**

Once the United States' war with Mexico concluded in 1848, the Treaty of Guadalupe Hidalgo resulted in Mexico ceding California to the United States. Also per the Treaty, Mexicans who lived on existing ranchos were guaranteed property rights and were allowed to remain on the land. However, the start of the California Gold Rush soon led to the dramatic increase in Northern California's population. Specifically, the influx of gold seekers to California's region between San Francisco and the Sierra foothills forced Mexican landowners off their land. Mexican landowners were not protected as many of the landholding records were incomplete. In present-day Burlingame, Sanchez ultimately lost the Buri Buri Rancho in a lawsuit, which was then divided into several parcels. Howard, however, retained Rancho San Mateo in a legal battle (Carey & Co. 2008).

After Howard passed away, his Rancho San Mateo land was divided amongst his family. However, land west of El Camino Real was sold to William C. Ralston, an established banker. Ralston could afford to buy the land after he discovered the Comstock Lode in Nevada in the 1860s. With this real estate, he planned to develop a suburban tract in San Mateo County, with the vision of creating a "sacrosanct colony" (Burlingame Chamber of Commerce 2020).

Ralston hosted many famous people in his home, including one of his first guests, Anson Burlingame, in 1866. Burlingame—a Massachusetts congressman and previously appointed United States Minister to China under President Lincoln—bought approximately one thousand acres from Ralston to build a private villa. Ralston thence decided to name his new development Burlingame after his friend's newly acquired gain. Following Anson Burlingame's premature death, in 1870 Ralston bought back his land and began planning the town's establishment (Carey & Co. 2008; Burlingame Historical Society 2018). Shortly after, survey work was initiated as evidenced by the 1876 Map of Burlingame. At that time, the few existing land owners of present-day Burlingame landscaped their properties that fronted El Camino Real with eucalyptus and elm trees (Burlingame Historical Society 2018). After Ralston's death, the land changed hands several times. In 1893, then-owner Francis Newlands subdivided the property and initiated construction of the Burlingame Country Club and five nearby cottages. While Burlingame increased its development and growth throughout the late 1800s, the 1906 San Francisco earthquake and fire propelled hundreds of new residents to Burlingame in search of safety. In 1908, Burlingame incorporated and two years later annexed the neighboring Town of Easton, which was once a part of Rancho Buri Buri (Burlingame Historical Society 2018).

Figure 10: Aerial photograph of the Darius Ogden Mills Estate, date unknown. The red arrow points to the approximate location of 1766 El Camino Real, constructed in 1959.
Source: Peninsula Royalty 2012.

Burlingame continued to grow its population through the early 20th century, which followed by an increase in commercial and residential construction to accommodate its new residents. By 1920, the population exceeded 4,100 people. In the decades following, Burlingame developed its own civic establishments, such as police and fire departments, city jail, local newspapers, and schools (Carey & Co. 2008).

In 1954, Burlingame annexed a portion of the Darius Ogden Mills estate at the city's northernmost border: this estate formed the land spanning from Millbrae Avenue to the north to Mills Creek to the south (Peninsula Royalty 2018). The area of tidal marshes to the east of the current location of the subject building was filled and subdivided in the 1950s; the fill originated from grading and development that occurred at the Mills Estate (City of Burlingame Planning Department 2012:VI-1 to VI-2) (**Figure 10**). In the late 1950s and 1960s, the Mills Estate rapidly developed with many commercial and residential buildings, including Mills High School; and development expanded along El Camino Real with additional commercial properties during that time. By 1968, aerial photographs illustrate that most buildings were constructed and formed a new automobile-oriented commercial district within Burlingame. In 2018, the United States census estimated Burlingame's population at approximately 30,000 residents (Carey & Co. 2008; US Department of Commerce 2020).

Burlingame's Early Transportation Routes

Early railway transportation provided a vital connection between developing Peninsula towns, such as Burlingame, with the larger Bay Area. In 1859, the San Francisco and San Jose Railroad was established. Once the Southern Pacific Railroad (SPRR) later gained ownership of

the line, it positioned a temporary boarding shed at "Oak Grove Crossing" for Burlingame passengers. In 1894, the Burlingame depot station was constructed (Carey & Co. 2008).

Prior to rail transit, existing trails and transportation routes, such as El Camino Real, aided in Burlingame's initial development through the 20th century. El Camino Real, which began as a trail or path used by pedestrians and pack animals, was originally built in the mid-18th century to support travel and transport between the Spanish colonial missions, presidio and pueblo sites, between today's cities of San Diego and San Francisco. The route through the Santa Clara Valley and the San Francisco Peninsula was forged by the Juan Bautista Anza expedition in 1776. During the Spanish era, El Camino Real originally served oxcart, mule, and horse travel. It ultimately transitioned from trail to paved road over time with the introduction of wagon traffic in the early 19th century and automobile traffic by the early 20th century (Caltrans 2016:57).

The precise alignment of El Camino Real has fluctuated throughout the 19th and 20th centuries. Today, the route is officially incorporated as portions of numerous state and U.S. highways from San Diego to San Francisco including California State Highway 82 through the City of Burlingame. Highway 82, originally part of U.S. Route 101, extends from San Jose to San Francisco. In 1959, Highway 82 (then U.S. Route 101) was officially designated as part of El Camino Real. In 1964, the rerouting of part of the U.S. 101 led to the redesignation of El Camino Real on the Peninsula as Highway 82. During the post-World War II era, businesses arose along El Camino Real/Highway 82 to serve California's emerging automobile culture, including stores, hotels, gas stations, and restaurants. Today El Camino Real is registered as California State Landmark No. 784 in acknowledgment of its Spanish Colonial-era transportation history (Faigin 2019; Sawyer 1922).

Site History

The earliest available historic aerial photograph showing the future site of the subject building and adjacent land, dated 1946, shows a mix of vacant and developed properties composed of what appears to be commercial buildings and small residences located within the Darius Ogden Mills estate, near the estate's east boundary. In 1946, the subject property's land was first divided, and appears to have different lot lines than what presently exists. In 1946, Trousdale Drive had not been constructed and U.S. Route 101 (later named Highway 82 and El Camino Real) appears as a two-lane highway running west of Bayshore Highway (NETR 2020). In 1956, much of the Mills Estate had been cleared, and new residences had been constructed on the land of the former estate. The subject parcel's land was vacant in 1956, and new lots were carved from the former estate around the same time that Trousdale Drive was constructed. U.S. Route 101 had been widened to six lanes by that time (NETR 2020).

In 1959, subject building was constructed as data processing offices for the American Can Company (*The Times San Mateo* 1965:15). Research on the building, including review of available building permits held by the City of Burlingame, did not identify its architect. 1965 is the earliest year an available aerial photograph shows the subject building and surrounding lot (**Figure 11**). That year, the building consisted mostly of a rectangular footprint, situated west of a partially built paved parking lot. Four pathways led to entrances on at the primary (west), south, rear (east), and north facades. The adjacent property to the east of 1766 El Camino Real was not yet built in 1965 (UC Santa Barbara 2020). A 1968 aerial photograph shows that the east addition had been constructed, and the property's rear paved parking lot was slightly extended east (**Figure 12**). Permits and architectural plans reveal that the circa 1968 rear addition was designed by Burlingame architect Mogens Mogensen, A.I.A. By the 1970s, BART tracks had been constructed immediately east of the SPRR tracks, which lie to the east of the subject property. These BART tracks were constructed just south of the Millbrae station, and served as the southern BART terminus on the San Francisco Peninsula. In 1980, Caltrans began operations of their Peninsula line using the former SPRR tracks to the east of the subject property and, which presently runs between San Francisco and Gilroy as Caltrain (Caltrain 2020).

The next available aerial, dated 1980, shows at least one or more of the smaller rear volumes had been added to 1766 El Camino Real (**Figure 13**) (NETR 2020). By 2005 another rear volume was added. Since 2005, the building footprint appears to have remained unchanged (NETR 2020).

Architect: Mogens "Mogie" Mogensen, A.I.A. (1920-1997)

Mogens Mogensen was born in 1920 in Denmark. After studying architecture in his native country and living in Sweden, Mogensen moved to the San Francisco Bay Area where he worked in the prominent architecture firm Wurster, Bernardi & Emmons, learning the tenets of modern architectural design. By the end of the 1940s, Mogensen established his own practice in Burlingame. His firm was housed in a small, self-designed, one-story International Style building at 90 El Camino Real. In the mid-1950s, Mogensen designed homes for developer David D. Bohannon's Sunset Terrace tract in San Mateo. Similar to post-World War II era homes developed by Joseph Eichler, Mogensen's Sunset Terrace homes embody key Midcentury Modern-style elements, such as clerestory windows, geometric forms, and minimal ornamentation. However, Mogensen designed his Sunset Terrace homes with unique elements such as windows containing wood mullion patterns instead of simply large expanses of glass. Mogensen continued to work with Bohannon on multiple San Francisco Bay Area tract designs in the post-World War II era (Weinstein 2018).

Mogensen is known for his residential work concentrated in San Francisco's South Bay, which consists of apartment complexes and single-family homes. In Burlingame, examples of Mogensen's residential designs include: Adeline Apartments (1479 El Camino Real), Bellevue

Apartments (1418 Bellevue Avenue), Carol Apartments (55 El Camino Real), Park Central Apartments (724 Laurel Avenue), Skyline Terrace Apartments (3133 Frontera Way), 500 El Camino Real Apartments, and 1838 El Camino Real Apartments. Mogensen's projects frequently employed unusual shapes on irregular shaped lots and often included artwork such as sculptures and friezes in his apartment designs (Weinstein 2018).

Ownership and Occupant History

The building's original owner is the American Can Company, who commissioned the building in 1959 (and also resided as a tenant from 1959-1965). The known owners of 1766 El Camino Real, based on available deed records held by the County of San Mateo Clerk-Recorder, building permits held by the City of Burlingame Building Division, and historic newspaper research, are summarized in the table below:

Year	Owner
1959-1965	American Can Company
1973	MacDonald Nelson & Heck
1976	Domenic Muzzi
1996-2020	Certosa Inc. (current owner)
Unknown-2020	Vincent A Muzzi (current owner)

The known tenants of 1766 El Camino Real, based on available city directories held by the Burlingame Main Public Library and building permits held by the City of Burlingame Building Division, are summarized in the table below:

Year	Tenant
1959-1965	American Can Company
1965-1972	Pacific Standard Life Insurance Company
1973	Vacant
1974-1975	Financial Associates Computer Service (data processing)
1976-1976	Citizens Saving & Loan Assn (Data Proc)
1976-1980	Reliable Data Service Inc. John Gardner Tennis Club
1980	Pacific Motor Trucking Co S P Transport Co
1981-1982	Unknown
1983	James A Hudak Rock A Bye Baby
1983-1995	Arthur E Brizzolara, Attorney Vincent A Muzzi, Attorney Pac Motor Trucking (or PMT Pac Manager Tracking)
1983-1985	Certosa Inc PMT Pac Mtg tracking
1985	St Lewis Southwestern RR
1985-1988	Jeanne Levin Attorney
1985-1995	Randall K Berring DMC Real Estate Liberty Mortgage Investment
1988	Sanmto Co Landowner
1992	Gross Julia Photo
1995	Bruno Borello Classic Building maintenance Instituto Familiar Mayflower Contractor Service Popular Center
Circa 2005-present	Peninsula Museum of Art
Unknown-present	Sutter Health

Based on available city directories, numerous commercial office tenants have occupied spaces within the subject building since it was constructed in 1959 for the American Can Company. Building tenants have included mostly businesses relating to food packaging, life

insurance, financial data and lending, transportation, real estate, and healthcare, among others. The city directories listed the subject building as "vacant" or did not include the building address for a few years. Few tenants remained in the building longer than ten years; with such a high number of commercial business tenants, there was high turnover every few years. The longest standing tenants of 12 years occupancy include Arthur E Brizzolara, Attorney; Vincent A Muzzi, Attorney (current building owner); and Pac Motor Trucking (or PMT Pac Manager Tracking, from 1983-1995. Although Vincent A Muzzi was not listed as a building tenant after 1995, Muzzi is the building's current co-owner along with former tenant Certosa Inc. Since circa 2005, the building has housed the Peninsula Museum of Art. Originally located in the City of Beaumont's Twin Pines Park's Manor House in 2003, the Peninsula Museum of Art moved into the subject property shortly after receiving a sizeable donation from Charles Homer, a friend of one of the museum's supporters (Peninsula Art Museum 2020).

Original Building Tenant: American Can Company
The American Can Company occupied the subject building from 1959-1965. The American Can Company was a tin can and food packaging manufacturer established in 1901, with headquarters in New York and an early branch location in Chicago. By the 1930s, the American Can Company was "one of the largest beer can manufacturing companies in the world," with Krueger Brewing Company being one of their clients. During World War II, American Can Company participated in wartime manufacturing (Breweriana Aficionado 2020). In 1986, American Can Company announced its plans to sell a majority of its can and food manufacturing business and focus on financial services and retail (*The New York Times* 1986: 74).

Building Tenant and Owners: Domenic and Vincent A. Muzzi
Building permits reveal that Domenic Muzzi owned the subject property in 1976. Research uncovered that Domenic Muzzi Sr., was an Italian immigrant and farmer who, in 1964, established a family farm in Watsonville and Moss Landing. By 1975, Muzzi opened Dominic's Farm Fresh Produce in Moss Landing on U.S. Highway 1.[1] Son Dominic Muzzi Jr. has also been involved in the family farming business. It is not clear weather Domenic Muzzi Sr. or Domenic Muzzi Jr. owned the subject property in 1976. While research uncovered no additional details relating to these individuals or their relationship to the subject building, it is logical to assume that the Muzzis are related to former tenant and current building owner Vincent A. Muzzi (Western Growers 2015; *The Times San Mateo* 1953: 2).

Vincent A. Muzzi, attorney, occupied the subject building for twelve years, from 1983 to 1995 and presently co-owns the building. In 1967, Muzzi graduated from San Francisco State University and three years later he graduated from the University of California, Hastings College of the Law. In the 1970s, he worked on legal cases pertaining to his family's San Mateo coastal land holdings and legal battels over its water and development rights (*The Times San Mateo* 1973: 39; *The Times San Mateo* 1977: 45). Since 1970, Muzzi has acted as president of The Magnolia of Millbrae, senior housing developer (*The San Francisco Examiner* 1998: 83). Throughout his career, Muzzi has sat on several local boards in San Mateo County, including Millbrae's Saint Dunstan's School Board, Peninsula YMCA, the Peninsula Hospital District (known today as Peninsula Healthcare District), and San Mateo County Assessment Board. From 1987 – 1995, Muzzi held position as a member of the San Mateo County Planning Commission and its chairman for one year in 1990 (County of San Mateo 2020).

California Register of Historical Resources Evaluation of 1766 El Camino Real
1766 El Camino Real is not currently listed in, and has not been found eligible for listing in, the California Register of Historical Resources (CRHR). The following provides an evaluation of 1766 El Camino Real under CRHR Criteria 1-4:

CRITERION 1 (Events):

1766 El Camino Real is not associated with any event(s) of historical significance. The building is a product of suburban commercial office development in Burlingame and is a typical example of such a development pattern. Suburban office buildings were constructed throughout the Peninsula and along El Camino Real during the 1950s and 1960s. While the subject building was constructed in 1959 on El Camino Real, California State Landmark No. 784, the subject building's location does not reflect a historic connection to the early El Camino Real trail that was established in the mid-18th Century as an important travel route in Alta California. Even though Highway 82 was officially deemed part of El Camino Real the same year the subject building was constructed, numerous properties along Highway 82/El Camino Real were constructed throughout the post-World War II era. Research conducted on the building's occupants did not reveal that the building fostered early or remarkable business growth for any of its tenants, or for Burlingame at large. Because the building housed many businesses at once with frequent turnover, and because these businesses represented commercial firms that were common within a mid-20th-century suburban context, it is unlikely that any one of them was able to make substantial contributions to the local or regional economy in the relatively short amount of time it occupied the building. Although the subject building was constructed in 1959 for American Can Company, the company was founded in 1901 in New York and therefore the subject building does not represent the time period or location in which the company first formed. Additionally, the subject building served as offices for the American Can Company for only six years and did not directly relate to the business' physical can production work. Although Pac Motor Trucking (or PMT Pac Manager Tracking), who occupied the building for 12 years, was one of the longest standing businesses in the subject building, research did not uncover any information pertaining to the business itself or a substantial link with the subject building that would be associated with important patterns of local or

[1] Building permits show the spelling of Muzzi's first name as "Domenic" while online research spells it as "Dominic."

regional history. The building does not appear to be associated with broad patterns of local or regional history or with the cultural heritage of California or the United States. Therefore, the building at 1766 El Camino Real is not significant under CRHR Criterion 1.

CRITERION 2 (Person):

1766 El Camino Real is not associated with any person(s) of historical significance. The building has been occupied for over 60 years by a regularly changing mixture of commercial tenants. Countless individuals were employed by the business tenants and worked within 1766 El Camino Real, but no individual would have had a sustained association with the building to the extent necessary to imbue significance under Criterion 2. Research uncovered that for approximately 44 years, between 1976-2020, members of the Muzzi family have maintained ownership of the building, starting with Domenic Muzzi, who owned the building in 1976, and Vincent A Muzzi, whose ownership began at an unknown date and continues to this day. However, no substantial information was uncovered regarding Domenic or Vincent A Muzzi's ownership of the subject building. Although attorneys Arthur E Brizzolara and Vincent A Muzzi are two of the longest-standing tenants who occupied the subject building for 12 years, research uncovered no substantial information pertaining to their occupancy that would indicate significance under CRHR Criterion 2. While Vincent A Muzzi, former occupant and current building co-owner, has been active in the San Mateo County community by holding various local board positions, including chairman of the San Mateo County Planning Commission in 1990, and has worked as a local attorney, research uncovered no considerable information tying his roles to the subject building at 1766 El Camino Real. Additionally, the building does not have significance within the context of Burlingame's mid-20th-century economic development, and therefore individuals affiliated with the building's various tenants would not have contributed substantially to important trends in local, California, or national history through their day-to-day involvement in the building's business functions. Furthermore, a majority of past owners of the parcel do not appear to have had direct associations with the commercial activities that occurred within 1766 El Camino Real; as such, it is extremely unlikely that the building would convey any potential significance that previous owners might have had. While Vincent A Muzzi was both an occupant and a building owner, research did not uncover information relating to his business and role as building owner. Therefore, 1766 El Camino Real is not significant under CRHR Criterion 2.

CRITERION 3 (Design/Construction):

1766 El Camino Real is a commercial office building designed in the Midcentury Modern architectural style. In order for the subject building to be found significant under CRHR Criterion 3, it would need to be a fully expressed example of the Midcentury Modern style or be a notable work of a known master architect. The building employs general design elements associated with the Midcentury Modern architectural style, which includes: emphasis on the building's horizontality, minimal ornamentation, projected fins that extend down past each window, a flat roof, terrazzo paving, stylized address signage on building, and free-standing address sign. However, the building lacks innovative use of materials, massing, and fenestration that characterize significant examples of this architectural style. The subject building does not have stylized architectural details that were specifically employed in Midcentury Modern commercial office buildings between 1945-1965, such as spandrel glass, stacked Roman brick veneer, jalousie windows, small geometric tiles arranged in a geometric pattern, and related features that contribute to the designs of some fully expressed commercial examples of the Midcentury Modern style. Despite that the building's design incorporates broad characteristics of Midcentury Modern architecture, this style was widely used for commercial buildings on the Peninsula and throughout the Bay Area during the 1950s and 1960s. Furthermore, research did not identify the building's original architect. Research was conducted through online historical newspapers and repositories, including UC Berkeley's Environmental Design Archives' list of architects and project indexes, to attempt to identify the original building architect; however, the architect was not listed in any source consulted (UC Regents 2020). While newspapers mentioned the subject building at the time of its construction, they do not list the architect. The only known design professionals associated with the building are Mogens Mogensen, A.I.A, who designed the circa 1968 rear addition and Larry Friesen of Friesen Architects, who designed the building's primary façade ADA ramp and east roof extension at the rear façade in 1996. While Mogensen's rear addition occurred nearly a decade after the building was constructed in 1959, the alteration was compatibly designed to match the original volume, through the incorporation of rectangular-shaped windows, similar projecting fins that extend down past each window, and smooth stucco cladding. Although not confirmed through permits or historical research, it is possible that Mogensen is the original building architect for 1766 El Camino Real. Mogensen, however, is best known for his residential designs, such as in the Sunset Terrace tract of San Mateo and numerous apartment complexes throughout Burlingame that feature more innovative massing, fenestration, and decorative elements than the subject building. Even if Mogensen were confirmed to be the building's original architect, he is not recognized as a master designer in regional overviews of Midcentury Modern architecture (Brown 2010; UC Regents 2020). Friesen's alterations are relatively minor and recent, and do not contribute substantially to the building's overall architectural aesthetic. Furthermore, a 1965 newspaper article notes that the building originally was clad in "colorful aluminum panels and glass" (*The Times San Mateo* 1965:15). While research did not uncover additional evidence pertaining to these features or images of the building when it was constructed, the aluminum panels and glass appear to have been removed at an unknown date and diminish the building's original design. In summary, the commercial office building is not a significant example of a building type that was constructed in the Midcentury Modern style in various locations in Burlingame and throughout the Peninsula during the 1950s and 1960s, and research has uncovered no evidence that it was a notable example of a master architect's work. For the reasons stated above, 1766 El Camino Real is not significant under CRHR Criterion 3.

CRITERION 4 (Information Potential):

The subject property at 1766 El Camino Real does not appear to be a source, or likely source, of important historical information not already captured in the historic record. Therefore, it is not significant under CRHR Criterion 4.

Conclusion

Based on an evaluation of the building under CRHR Criteria 1-4, 1766 El Camino Real is not eligible for individual listing on the CRHR. The property is therefore not a historical resource for the purposes of the California Environmental Quality Act (CEQA) in accordance with Section 15064.5(a)(2)-(3) of the CEQA Guidelines, using the criteria outlined in Section 5024.1 of the California Public Resources Code.

***B12. References (continued):**

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Additional Figures:

Figure 2. View of west façade, facing east. Source: ICF 2/12/2020.

Figure 3. View of west façade, facing east. Source: ICF 2/12/2020.

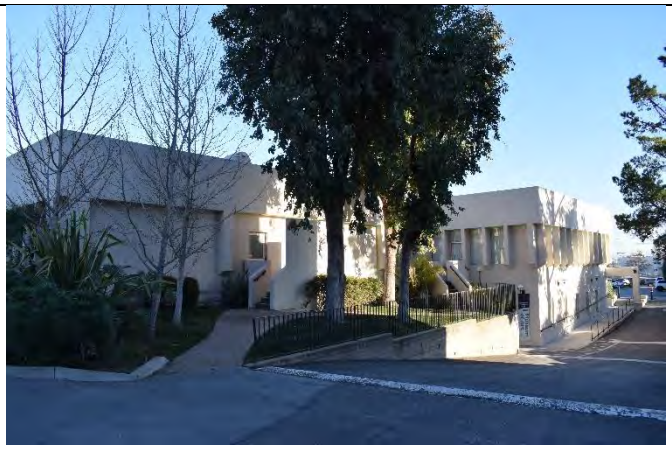

Figure 4. View of south façade, facing northeast. Source: ICF 2/12/2020.

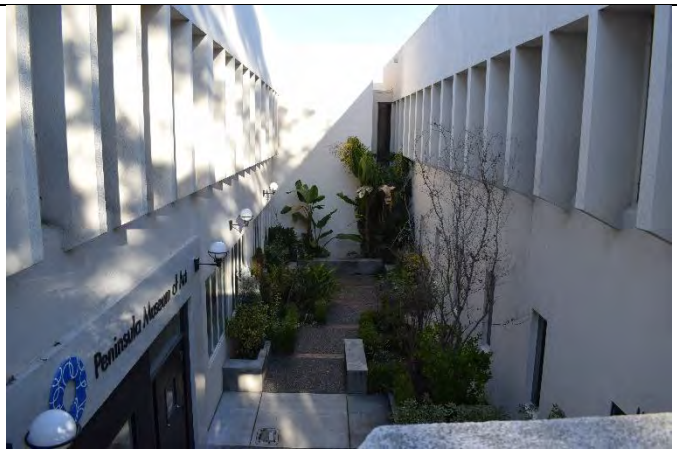

Figure 5. View of courtyard, facing north. Source: ICF 2/12/2020.

Figure 6. View of the south façade's stairwell above courtyard, facing north. Source: ICF 2/12/2020.

Figure 7. View of the east façade, facing west. Source: ICF 2/12/2020.

Figure 8. View of the north façade, facing south. Source: ICF 2/12/2020.

Figure 9. View of the building's concave sign, facing northeast. Source: ICF 2/12/2020.

Figure 11. 1965 historic aerial, red arrow points to subject building. Source: UC Santa Barbara 2020.

Figure 12. 1968 historic aerial, red arrow points to subject building. Source: NETR 2020.

Figure 13. 1980 historic aerial, red arrow points to subject building. Source: NETR 2020.